### Karl Environmental Group Project # 24-0702 Hackensack School District



**Attachment A:** 

**Analytical Lab Results** 



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 Location: Bottle Filler Result(ppb): 1.50

Client No.: JA-BF-106 \* Sample acidified to pH <2.

Lab No.:7783223 Location: Bubbler

\* Sample acidified to pH <2. Client No.: JA-FB-106

Lab No.:7783224 Location: Cafe - Right Bottle Filler

Client No.: JA-BF-CAFE-R \* Sample acidified to pH <2.

Lab No.:7783225 Location: Cafe - Right Bubbler

\* Sample acidified to pH <2. Client No.: JA-FB-CAFE-R

**Location:**Cafe - Left Bottle Filler Lab No.:7783226

\* Sample acidified to pH <2. Client No.: JA-BF-CAFE-L

Lab No.:7783227 Location: Cafe - Left Bubbler **Result(ppb):**<1.00

Client No.: JA-FB-CAFE-L \* Sample acidified to pH <2.

Lab No.:7783228 **Location:**Gym - Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.: JA-BF-GYM

Lab No.:7783229 Location: Gym - Bubbler **Result(ppb):**<1.00

Client No.: JA-FB-GYM \* Sample acidified to pH <2.

Lab No.:7783230 Location: Kitchen **Result(ppb):**<1.00

Client No.: JA-SO-Kitchen \* Sample acidified to pH < 2.

Location: 209 - Bubbler Lab No.:7783231 Result(ppb):<1.00

Client No.: JA-FB-209 \* Sample acidified to pH <2.

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

8/23/2024 Date Received: Date Analyzed:

09/04/2024

Signature:

Mark Stewart Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Dated: 9/5/2024 5:48:04 Page 1 of 4



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.:7783232 Location:209 - Bottle Filler Result(ppb):<1.00

Client No.: JA-BF-209 \* Sample acidified to pH <2.

Lab No.:7783233 Location: Faculty Sink Result(ppb): 1.00

Client No.: JA-SO-Faculty \* Sample acidified to pH <2.

Lab No.:7783234 Location:200 - Left Bottle Filler Result(ppb):<1.00

Client No.: JA-BF-200-L \* Sample acidified to pH <2.

Lab No.:7783235 Location: 200 - Left Bubbler Result(ppb):<1.00

Client No.: JA-FB-200-L \* Sample acidified to pH <2.

Lab No.:7783236 Location: 200 Right - Bottle Filler Result(ppb):<1.00

Client No.: JA-BF-200-R \* Sample acidified to pH <2.

Lab No.:7783237 Location: 200 Right - Bubbler Result(ppb):<1.00

Client No.: JA-FB-200-R \* Sample acidified to pH <2.

Lab No.:7783238 Location: Nurse - Water Cooler Result(ppb):<1.00

Client No.: JA-WC-202 \* Sample acidified to pH < 2.

Lab No.:7783239 Location: 305 - Bottle Filler Result(ppb):<1.00

Client No.: JA-BF-305 \* Sample acidified to pH <2.

Client No.: JA-FB-305 \* Sample acidified to pH < 2.

Lab No.:7783241 Location: Field Blank Result(ppb):<1.00

Client No.: JA-Blank \* Sample acidified to pH <2.

Sumple detailed to pil 2.

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: Masse standet

Analyst: Mark Stewart

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Dated: 9/5/2024 5:48:04 Page 2 of 4



Email: customerservice@iatl.com

9/4/2024

#### CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group Report Date:

20 Lauck Road Report No.: 703991 - Lead Water

Mohnton PA 19540 Project: Jackson Ave
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  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 9/5/2024 5:48:04 Page 3 of 4



Email: customerservice@iatl.com

#### 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

Client: KAR387 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.

Dated: 9/5/2024 5:48:05 Page 4 of 4





# Chain of Custody - Environmental Lead -

Office Address: 20 Lauck Rd  City, State, Zip: Mohnday, PA  Fax Number: (010-851e-50+0  Email Address: ameas@Yorkenu.com	Project Number: 24-0702 Project Name: 5000 Ave rimary Contact: Angela Mas Office Phone: 600-086-7700 Cell Phone: 484-346-9846
iATL is accredited by the National Lead Laboratory Accreditate environmental samples for lead (Pb). The accreditation is throrecognized 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 20  Other Metals (Cd, Zn, Cr) by AAS  Toxicity Characteristic Leaching Procedure (TCLP)  Other  Special Instructions:	0.9
Turnaround Time  Preliminary Results Requested Date:  10 Day 5 Day 3 Day 2 Day 1 Day  * End of next business day unless otherwise specified. ** Matrix	Verbal Email Fax  Ly* 12 Hour** 6 Hour** RUSH**  Dependent. ***Please notify the lab before shipping***
Chain of Custody  Relinquished (Name/Organization): Received (Name / iATL): Sample Login (Name / iATL): Analysis(Name(s) / iATL): QA/QC Review (Name / iATL): Archived / Released:QA/QC InterLAB Use:	Date: 8/23/24 Time: Date: 6/23/24 Time: 1/6/24 Date: Time: Date: Time: AUG 23 2024 Date: Time: Date: Time: Time: AUG 23 2024



-Environmental Lead -

CHEIR, TVLC \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Client: Karl Environmental	Project: 24-0702	Jackson	Ave
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Sampling Date/Time: 8123/24 7:00 Am

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
SA-BF-104	7783222	Bottle filler				250mL	
5A-FB-106	7783223	Bubbler					
SA-BF-LAFE-R	7783224	Cate-Right Bottle filler					
SA-FB-(AFE-R	7783225	Cate-Right Bubbler					
JA-BF-(AFE-L	7783200	Cafe-Left Bottle filler					
JA-FB-CAFE-L	7783227	Cate-Left Budder					
5A-BF-64M	7783228	GYM-BOHLE					
SA-FB-GYM	7783289	GYM-BUBBER					
JA-SO-Kitchen	7783230	Kitchen					
5A-FB-209	7783231	209- BARR					
JA-BF-289	7783232	209-BHILE SHLE					
5A-50-FOWLY	7783233	Faculty Sink					
JA-6F-200-L	7783234	200-Left Bottle filler					
JA-FB-200-L	7783235	200-Left Bubbler					
5A-BF-200-R	7783236	200-right BOTHLE filler					

These preliminary results are issued by iATL to expedite procedures by clients base I 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

<sup>\* =</sup> 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.



-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 M	
5A-W-202	7783238	Nurse- woder Cooler				1	
5A-WC-202 5A-BF-305	7783239	305-BOXTLE					
	7783240						
5A-FB-305 5A-Blank	7783241	305-Blobber Field Blank	-				

<sup>\* -</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

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

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Email: customerservice@iatl.com

Rev #2, 9/13/2024

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

Project: Fairmount Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785036 Location: Left Bottle Filler **Result(ppb):**<1.00

Client No.: FM-BF-115L \* Sample acidified to pH <2.

Lab No.:7785037 Location: Left Bubbler

\* Sample acidified to pH <2. Client No.:FM-FB-115L

Lab No.:7785038 Location: Right Bottle Filler

Client No.:FM-BF-115R \* Sample acidified to pH <2.

Lab No.:7785039 Location: Right Bubbler

\* Sample acidified to pH <2. Client No.:FM-FB-115R

Location: Left Bottle Filler Lab No.:7785040

Client No.:FM-BF-106L \* Sample acidified to pH <2.

Lab No.:7785041 Location:Left Bubbler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:FM-FB-106L

Lab No.:7785042 **Location:**Right Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:FM-BF-106R

Lab No.:7785043 Location: Right Bubbler **Result(ppb):**<1.00

Client No.:FM-FB-106R \* Sample acidified to pH <2.

Lab No.:7785044 Location: Left Bottle Filler **Result(ppb):**<1.00

Client No.: FM-BF-215L \* Sample acidified to pH <2.

Lab No.:7785045 Location: Left Bubbler Result(ppb):<1.00

Client No.:FM-FB-215L \* Sample acidified to pH <2.

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

8/29/2024 Date Received:

09/10/2024 Date Analyzed:

Signature:

Mark Stewart Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

Rev #2, 9/13/2024

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

Project: Fairmount

Project No.: 24-0702

Approved By:

LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: Right Bottle Filler Lab No.:7785046 **Result(ppb):**<1.00

Client No.: FM-BF-215R \* Sample acidified to pH <2.

Lab No.:7785047 Location: Right Bubbler

\* Sample acidified to pH <2. Client No.:FM-FB-215R

Lab No.:7785048 Location: Bottle Filler

Client No.:FM-BF-206 \* Sample acidified to pH <2.

Lab No.:7785049 Location: Bubbler

\* Sample acidified to pH <2. Client No.:FM-FB-206

Lab No.:7785050 Location: Bottle Filler

Client No.: FM-BF-311 \* Sample acidified to pH < 2.

Lab No.:7785051 Location: Bubbler **Result(ppb):**<1.00 Client No.:FM-FB-311 \* Sample acidified to pH <2.

Lab No.:7785052 Location: Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:FM-BF-21

Lab No.:7785053 Location: Bubbler **Result(ppb):**<1.00

Client No.:FM-FB-21 \* Sample acidified to pH <2.

Lab No.:7785054 Location: Bottle Filler **Result(ppb):**<1.00

Client No.:FM-BF-4 \* Sample acidified to pH <2.

Lab No.:7785055 Location: Bubbler Result(ppb):<1.00

Client No.:FM-FB-4 \* Sample acidified to pH <2.

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

8/29/2024 Date Received:

09/10/2024 Date Analyzed:

Analyst:

Frank E. Ehrenfeld, III Signature: Laboratory Director Mark Stewart

Dated: 9/13/2024 9:46:53 Page 2 of 5



Email: customerservice@iatl.com

Rev #2, 9/13/2024

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

Result(ppb):<1.00

Project: Fairmount

Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785056 Location: Room 5 Faculty Sink Result(ppb):<1.00

\* Sample acidified to pH <2. Client No.:FM-Faculty Sink

Location: Field Blank Lab No.:7785057

Client No.:FM-Blank \* Sample acidified to pH <2.

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:

Dated: 9/13/2024 9:46:53

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 3 of 5



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group Report Date: 9/10/2024

20 Lauck Road Report No.: 704199 - Lead Water

Mohnton PA 19540 Project: Fairmount
Project No.: 24-0702

Client: KAR387

### 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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#### **Information Pertinent to this Report:**

Analysis by AAS Graphite Furnace:

- ASTM D3559-15D

- <u>Certification:</u>
   NYS-DOH No. 11021
- NJDEP No. 03863

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

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Dated: 9/13/2024 9:46:53 Page 4 of 5



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group Report Date: 9/10/2024

20 Lauck Road Report No.: 704199 - Lead Water

Mohnton PA 19540 Project: Fairmount
Project No.: 24-0702

Client: KAR387

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Dated: 9/13/2024 9:46:53 Page 5 of 5





# **Chain of Custody**

– Environmental Lead –

221 ( 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	itelitat Leag –
Contact Information	
Client Company: Your Environmental	Project Number: 24-07-02
Office Address: 20 Lauck RA	Project Name: Fairmant
City, State, Zip: (Nohnth DA	Primary Contact: Angela Mean
Fax Number: 610-856-50-10	Office Phone: (alo-856-778)
Email Address: aneas a fortendian	Cell Phone: 484-345-9846
iATL is accredited by the National Lead Laboratory Accenvironmental samples for lead (Pb). The accreditation is recognized state programs.  Matrix/Method:  Paint by AAS: ASTM D3335-85a, 2009  Wipe/Dust by AAS: SW 846: 3050B: 700B, 2019  Air by AAS: NIOSH 7082, 1994  Soil by AAS: EPA SW 846 (Soil)  Water by AAS-GF: ASTM D3559-03D, US EPA  Other Metals (Cd, Zn, Cr) by AAS  Toxicity Characteristic Leaching Procedure (TC)  Other  Special Instructions:	A 200.9
Turnaround Time	
Pretiminary Results Requested Date:	Dverbal DEmail DFax
Specific date / time	
* End of next business day unless otherwise specified. ** Ma	I Day* 12 Hour** 6 Hour** RUSH** atrix Dependent. ***Please notify the lab before shipping***
Chain of Custody Relinquished (Name/Organization): Received (Name / iATL): Sample Login (Name / iATL): Analysis(Name(s) / iATL): QA/QC Review (Name / iATL): Archived / Released:QA/QC InterLAB Use:	Date:



-Environmental Lead -

Client: Kast Empormental	Project: <u>24-0702</u>	Farmount
Sampling Date/Time: 8/29/24	6:00 MM	

		<u> </u>		· · · · · · · · · · · · · · · · · · ·	<u> </u>		
Client Sample #	iatl#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
FM-BF-1156_	7785036	Lett Bottle filter				250 mL	
FM-FB-115L	<b>778</b> 5037	Left Bubbar			- "-		
FM-BF115R	<b>778</b> 5038	Right Edger					
FM-FB-115R	<b>7785</b> 039	Right					
FM-BF-1061	7785940	Lette Bobble Glev					
FM-FB-106L	7785041	left Bibber					<u></u>
F11A-BF-106 R	7785042	Right Rossia-Giler					
FM-FB-106R	7785943	Right Budder		· <u>-</u>			
FM-BF-215L	7785044	Bourse Aller		-			
FM-F8-21SL	<b>7</b> 785045	Leting By Now York					
FM-BF-215 R	<b>778</b> 5048	Right Filler					
FM-FB-215R	<b>778</b> 504**	Right Butter					
FM BF-206	<b>778</b> 5043 <b>778</b> 3049	Botha fler					
FM-FB-204	7785050	Robber					
FM-BF-311	1100000	Bottle filler					

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reauthysis (<200mg)

<sup>\*\* =</sup> 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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-Environmental Lead -

Client: Karl Enwronmen	tol Project; <u>24-0702</u>	Fairmaint
Sampling Date/Time: 8/29124	6:00 Am	

Client Sample # IATL# Description Rate End those (min) Volume (L) ( FM-FB-311 7785051 Biblier FM-BF-21 7785052 Bobbler FM-BB-4 7785055 Bobbler FM-FB-4 7785055 Bobbler FM-Fawity-sin 7785057 Recently Sink FM-Bank 7785057 field Wank	· · · · · · · · · · · · · · · · · · ·		Location/	Flow	Start	Sampling	Area (ft2)	Results
FM-FB-21 7785052 Bottle Filer  FM-BF-4 7785056 Bottle Filer  FM-FB-4 7785056 Bottle Filer  FM-FB-4 7785056 Rooms FM-Fawity-sin 7785056 Fowing SNK	Client Sample #		•					
FM-FB-21 7785052 Bottle Filer  FM-FB-21 7785053 Bottle Filer  FM-BE-4 7785053 Bottle Filer  FM-FB-4 7785055 Bottle Filer  FM-FB-4 7785055 Bottle Filer  FM-Fawity-Sim 7785056 Bows Facility Sink	FM-FB-311	7785051	Bibber				250mL	
FM-BE-4 7785056 Bottle Filer  FM-FB-4 7785055 Bottle Filer  FM-Fawity-sin 7785050 Facility Sink	FM-BF-21	<b>778</b> 5052						
FM-BE-4 7785056 Bottle Filer  FM-FB-4 7785055 Bottle Filer  FM-Fawity-sin 7785056 Fawity Sink	FM-FB-21	<b>77</b> 85053	Bibbler					
FM-Fawity-sin 7785050 Fawity Sink	FM-BF-4	<b>778</b> 5954	1					
-M-tawity-sink 1788050 Faculty Sink	FM-FB-4	<b>778</b> 5055	Bibber					
FM-Blank 778505? Field Wank	FM-Fawity-Sim	3						•
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	<del>-· ,                                   </del>			-	-			

<sup>\* ≃</sup> Insufficient Sample Provided to Perform QC Reanalysts (<200mg)</p>

<sup>\*\* =</sup> 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 precedures by clients based upon the above data. iATL assumes that all of the sampling authors and data upon which these results are based, has been accumately 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, HRID, and NIDEP conditions apply.



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 Location: Sink **Result(ppb):**<1.00 Client No.: NP-SO-Kitchen \* Sample acidified to pH <2. Lab No.:7785013 Location: Bubbler Client No.: NP-FB-Cafe \* Sample acidified to pH <2. Lab No.:7785014 Location: Bottle Filler Client No.: NP-BF-Cafe \* Sample acidified to pH <2. Lab No.:7785015 Location:Bottle Filler Client No.: NP-BF-201 \* Sample acidified to pH <2. Lab No.:7785016 Location: Bubbler Client No.: NP-FB-201 \* Sample acidified to pH <2. Lab No.:7785017 Location: Bottle Filler **Result(ppb):**<1.00 Client No.: NP-FB1-Gym \* Sample acidified to pH <2. Lab No.:7785018 Location: Bubbler **Result(ppb):**<1.00 Client No.: NP-FB2-Gym \* Sample acidified to pH <2. Lab No.:7785019 Location: Bottle Filler **Result(ppb):**<1.00 Client No.:NP-FB1-111 \* Sample acidified to pH <2. Lab No.:7785020 Location: Bubbler **Result(ppb):**<1.00 Client No.: NP-FB2-111 \* Sample acidified to pH <2. Lab No.:7785021 Location: Bottle Filler Result(ppb):<1.00 Client No.:NP-FB1-102 \* Sample acidified to pH <2.

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

Date Received:

8/29/2024

Date Analyzed:

Dated: 9/12/2024 10:59:36

09/10/2024

Signature:

Analyst: Mark Stewart

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 1 of 5



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

Location: Bubbler Lab No.:7785022 **Result(ppb):**<1.00

Client No.: NP-FB2-102 \* Sample acidified to pH <2.

Lab No.:7785023 Location: Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:NP-BF-131

Lab No.:7785024 Location: Bubbler

Client No.: NP-FB-131 \* Sample acidified to pH <2.

Lab No.:7785025 Location:Bottle Filler

\* Sample acidified to pH <2. Client No.: NP-BF-309

Lab No.:7785026 Location: Bubbler

\* Sample acidified to pH <2. Client No.:NP-FB-309

Lab No.:7785027 Location: Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:NP-BF-319

Lab No.:7785028 Location: Bubbler Result(ppb):<1.00 \* Sample acidified to pH <2. Client No.:NP-FB-319

Location: Bottle Filler Lab No.:7785029 **Result(ppb):**<1.00

Client No.: NP-BF-413 \* Sample acidified to pH < 2.

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:

Dated: 9/12/2024 10:59:36

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



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: 9/11/2024

Report No.: 704198 - Lead Water

Project: Parker Project No.: 24-0702

### LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7785030 Location: Bubbler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:NP-FB-413

Lab No.:7785031 Location: Bottle Filler **Result(ppb):**<1.00

Client No.:NP-BF-416 \* Sample acidified to pH <2.

**Lab No.:**7785032 Location: Bubbler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:NP-FB-416

Location:Bottle Filler Lab No.:7785033 **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:NP-BF-401

Location: Bubbler Lab No.:7785034 Result(ppb):<1.00

\* Sample acidified to pH <2. Client No.:NP-FB-401

Lab No.: 7785035 Location: Field Blank Result(ppb):<1.00

Client No.: NP-Blank \* Sample acidified to pH <2.

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

Date Received:

8/29/2024

Date Analyzed:

Dated: 9/12/2024 10:59:36

09/11/2024

Signature: Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



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

### 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  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 9/12/2024 10:59:36 Page 4 of 5



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.

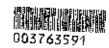
Water Sample Turbidity greater than 1.0 NTU does not meet Federal and NJ State Primary & Secondary Drinking Water Standards.

\* 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.

Dated: 9/12/2024 10:59:36 Page 5 of 5



# Chain of Custody - Environmental Lead -





-Environmental Lead -

Client: har Environmental	Project: 24-07-02	Parker
Sampling Date/Time: 8/29/24 7:0	2 kW	

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (fi2) Volume (L)	Results
NPSO-KITCHEN	7785012	SINK				ZDNL	
NP-FB-(AFE	77850_3	Bubbler					
MP-BF-CAFE	7785034	Bothle filler					
NP-BF-201	7785015	Bottle Eller					
NP-FB-201	7785916	BUSSEA					
NP-FBJ-GYM	<b>778</b> 50./*	Bothe Giller	•				
NP-FB2-64M	<b>778</b> 5018	Broben					
NP-FB1-111	<b>778</b> 5019	Bossie Eiller					<del>-</del> -
NP-FB2-111	<b>778</b> 5020	BUDDEN					
NP-EB1-02	<b>778</b> 5021	Bottle filler					
NP-FBQ-DQ	W 64 73 17 0 0 0 0	Brodder					•
NP-BF-313	<b>778</b> 5003	Boxtie Giller					
NP-FB-313	<b>778</b> 5004	Bubber					
NP-BF-329	<b>77</b> 85005	Bohlle Liller					
NP-FB-309	7785036	BUDDER					

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* =</sup> Insufficient Sample Provided to Analyze (<50mg) \*\*\* = Matrix / Substrate Interference Possible
FB = Method Requires the submitted 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 NIDEP conditions apply.



-Environmental Lead -

Client: Karl Environmental	Project: 24-0702 Par Ker
Sampling Date/Time: 8/29/24	7:00 Am

		Location/	Flow	<u>Ştart</u> End	Sampling time (min)	Area (ft2) Volume (L)	Results
Client Sample#	jATL#	Description	Rate	<u>Enu</u>	tine (mas)	250 mL	
NP-BF-319	7785027	Bottle filler	<del> </del>			0200,100	
NP-FB-319	7785023	Budder					<u></u>
NP-BF-413	7785000	BOHLL Filler			<u> </u>		
N8-EB-4B	7785000	Bloddor_	<u> </u>		<u> </u>		
NP-BF-412	<b>778</b> 5031	Bottle filler					
NP-FB-416	7785032	Blober	<u> </u>	<u> </u>	<u> </u>		
NP-BF-4DI	<b>778</b> 5033	Bottle Liller		ļ		<u> </u>	<u> </u>
NP-FB-401	7785034	Blober	<u> </u>			<u> </u>	<u> </u>
NP-Blank	7785035	Red Wank	-	-			
			ļ				<u> </u>
<u> </u>			<del> </del>	1			-
				-			-

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>-</sup> insufficient sample Provided to Analyze (<50mg) \*\*\* - Matrix / Substrate Interference Possible

\*\* - 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

**Location:** Outside Custodial Office - Bottle Filler **Result(ppb):**<1.00 Lab No.:7783187 \* Sample acidified to pH <2.

Client No.: FH-BF-Custodial

Location: Outside Custodial Office - Bubbler Lab No.:7783188

Client No.:FH-WC-Custodial \* Sample acidified to pH <2.

Lab No.:7783189 **Location:**Outside 214 - Bottle Filler

Client No.:FH-BF-214 \* Sample acidified to pH <2.

Lab No.:7783190 **Location:**Outside 214 - Bubbler

Client No.: FH-WC-214 \* Sample acidified to pH <2.

**Location:** Outside 205 - Bottle Filler - Left Lab No.:7783191

Client No.: FH-BF-205-Left 1 \* Sample acidified to pH <2.

Lab No.:7783192 Location: Outside 205 - Bubbler **Result(ppb):**<1.00

Client No.:FH-WC-205-Left 1 \* Sample acidified to pH <2.

Lab No.:7783193 **Location:**Outside 205 - Bottle Filler - Right Result(ppb):<1.00

\* Sample acidified to pH <2. Client No.:FH-BF-205-Right 2

Lab No.:7783194 **Location:** Outside 205 - Bubbler **Result(ppb):**<1.00

Client No.:FH-WC-205-Right 2 \* Sample acidified to pH <2.

Lab No.:7783195 **Location:**Outside 113 - Bottle Filler **Result(ppb):**<1.00

Client No.:FH-BF-113 \* Sample acidified to pH <2.

Lab No.:7783196 Location: Outside 113 - Bubbler Result(ppb):<1.00

Client No.:FH-WC-113 \* Sample acidified to pH <2.

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

8/23/2024 Date Received:

Dated: 9/9/2024 1:34:27

09/06/2024 Date Analyzed:

Signature:

Chad Shaffer Analyst:

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 1 of 6



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 Location: Beside 114 - Bottle Filler Result(ppb):<1.00

Client No.:FH-BF-114 \* Sample acidified to pH <2.

Lab No.:7783198 Location: Beside 114 - Bubbler Result(ppb):<1.00

Client No.:FH-WC-114 \* Sample acidified to pH <2.

Lab No.:7783199 Location: Outside 303 - Bottle Filler Result(ppb):<1.00

Client No.:FH-BF-303 \* Sample acidified to pH <2.

Lab No.:7783200 Location:Outside 303 - Bubbler Result(ppb):<1.00

Client No.:FH-WC-303 \* Sample acidified to pH <2.

Lab No.:7783201 Location: 304 - Bottle Filler Result(ppb):<1.00

Client No.: FH-BF-304 \* Sample acidified to pH <2.

Client No.:FH-WC-304 \* Sample acidified to pH <2.

Lab No.: 7783203 Location: Outside Auditorium Left - Bottle Filler Result(ppb): <1.00

Client No.:FH-BF-AUD-LEFT \* Sample acidified to pH <2.

Lab No.:7783204 Location: Outside Auditorium Left - Bubbler Result(ppb):<1.00

Client No.:FH-WC-AUD-LEFT \* Sample acidified to pH <2.

Lab No.: 7783205 Location: Outside Auditorium Right - Bottle Filler Result(ppb): <1.00

Client No.: FH-BF-AUD-RIGHT \* Sample acidified to pH <2.

Lab No.:7783206 Location: Outside Auditorium Right - Bubbler Result(ppb):<1.00

Client No.:FH-WC-AUD-RIGHT \* Sample acidified to pH <2.

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

Dated: 9/9/2024 1:34:27 Page 2 of 6

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



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

**Location:**Health Hall Left - Bottle Filler **Result(ppb):**<1.00 Lab No.:7783207

Client No.:FH-BF-Health Hall - Left \* Sample acidified to pH <2.

Location: Health Hall Left - Bubbler Lab No.:7783208

Client No.: FH-WC-Health Hall - Left \* Sample acidified to pH <2.

Location: Health Hall Right - Bottle Filler Lab No.:7783209

Client No.: FH-BF-Health Hall - Right \* Sample acidified to pH <2.

Lab No.:7783210 Location: Health Hall Right - Bubbler

Client No.: FH-WC-Health Hall - Right \* Sample acidified to pH <2.

**Location:** Kindergarten Hall Left - Bottle Filler Lab No.:7783211 \* Sample acidified to pH <2.

Client No.:FH-BF-K Hall - Left

Lab No.:7783212 Location: Kindergarten Hall Left - Bubbler Result(ppb):<1.00

Client No.:FH-WC-K Hall - Left \* Sample acidified to pH <2.

Lab No.:7783213 Location: Kindergarten Hall Right - Bottle Filler Result(ppb):<1.00

\* Sample acidified to pH <2. Client No.:FH-BF-K Hall - Right

Lab No.:7783214 **Location:** Kindergarten Hall Right - Bubbler Result(ppb):<1.00

Client No.:FH-WC-K Hall - Right \* Sample acidified to pH <2.

Lab No.:7783215 **Location:**413 - Bottle Filler **Result(ppb):**<1.00

Client No.:FH-BF-413 \* Sample acidified to pH <2.

Lab No.:7783216 Location: 413 - Bubbler Result(ppb):<1.00

Client No.:FH-WC-413 \* Sample acidified to pH <2.

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

8/23/2024 Date Received:

09/06/2024 Date Analyzed:

Signature: Chad Shaffer

Analyst:

Dated: 9/9/2024 1:34:27

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director

Page 3 of 6



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

Result(ppb):<1.00

**Result(ppb):**<1.00

Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: 401 - Bottle Filler Lab No.:7783217

\* Sample acidified to pH <2. Client No.:FH-BF-401

Lab No.:7783218 Location: 401 - Bubbler

\* Sample acidified to pH <2. Client No.:FH-WC-401

**Lab No.:**7783219 **Location:**Faculty Water Cooler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:FH-BF-Faculty

Location: Faculty Sink Lab No.:7783220 **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:FH-WC-Faculty

Lab No.: 7783221 Location: Field Blank Result(ppb):<1.00

Client No.:FH-Blank \* Sample acidified to pH <2.

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:

Chad Shaffer Analyst:

Dated: 9/9/2024 1:34:27

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group

20 Lauck Road

Mohnton PA 19540

Client: KAR387

Report Date: 9/6/2024

Project No.:

Report No.: 703990 - Lead Water

24-0702

Project: Hillers School

### 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

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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.

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.

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PPB = Parts per billion. 1  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 9/9/2024 1:34:27 Page 5 of 6



Email: customerservice@iatl.com

#### CERTIFICATE OF ANALYSIS

Project No.:

24-0702

Client: Karl Environmental Group Report Date: 9/6/2024

20 Lauck Road Report No.: 703990 - Lead Water

Mohnton PA 19540 Project: Hillers School

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.

Dated: 9/9/2024 1:34:27 Page 6 of 6





003757240

# **Chain of Custody**

– Environmental Lead –

- Environme	Altai Bead
Contact Information Client Company: Karl Environmental Office Address: 20 Lasck ho City, State, Zip: Whatey PA Fax Number: 610-856-5040 Email Address: Aneas@ Karlenukan	Project Number: 24-0102 Project Name: Hilles School Primary Contact: Angelo Meas Office Phone: 610-856-7700 H84-345-9846
iATL is accredited by the National Lead Laboratory Accrenvironmental samples for lead (Pb). The accreditation is recognized state programs.  Matrix/Method: Paint by AAS: ASTM D3335-85a, 2009 Wipe/Dust by AAS: SW 846: 3050B: 700B, 201 Air by AAS: NIOSH 7082, 1994 Soil by AAS: EPA SW 846 (Soil) Water by AAS-GF: ASTM D3559-03D, US EPA Other Metals (Cd, Zn, Cr) by AAS Toxicity Characteristic Leaching Procedure (TC) Other Special Instructions:	0 A 200.9
Turnaround Time  Preliminary Results Requested Date:  Specific date / time  10 Day 5 Day 3 Day 2 Day  * End of next business day unless otherwise specified. ** M	Uverbal □Email □Fax  1 Day* □ 12 Hour** □ 6 Hour** □ RUSH**  atrix Dependent. ***Please notify the lab before shipping***
Chain of Custody Relinquished (Name/Organization): Received (Name / iATL): Sample Login (Name / iATL): Analysis(Name(s) / iATL): QA/QC Review (Name / iATL): Archived / Released:QA/QC InterLAB Use:	Date: 8/23/24 Time: 11:01 om  Date: 5/23/24 Time: 11:01 om  Date: Time: Time: Date: Time: Time: Time: Date: Time: Time: Date: Time: Date: Time: Date: Time: Date: Time:



-Environmental Lead -

Client: Harl Environmental Project: 24-0702 Farry Hiller

Sampling Date/Time: 8723124

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
FH-BF-Custodial	7783187	Outside Custobial office-Buttlefiller				250 mL	
10/2012 - WH	7783188	October BUSHER					
F4-BF-214	7783189	Durside 214 Bottle filler					
FH-WC-2124	7783190	OURSIDE 214 BUBBLEY					
FH-BF-205- Left	7733191	Outside 205 Botale filler - left					
FH-WC-205-	7783192	Duside 205 Bubber-left					
FH-BF-205- Alght2	7783193	outside 205 Bottle filler-right					
FH-WK-205- Right2	7783194	Outside 205 Bubber-right					
FH-BF-113	7783195	Outside 113 Bath filler					
FH-WC-113	7783196	OUTS COL 113 BLAN	-				
FH-BF-114	7783107	Bester 114 Bottle filler					
FH-WC-114	7783198	Bubbler					
FH-BF-303	7783199	OUSTOR 303 Britishe filler					
FH-WK-303	7783200	Outside 303 Buddler					
FH-BF-324	7783201	304- BOTHLE					

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* –</sup> 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.



-Environmental Lead -

Client: Korl Environmental Project: 24-0702 Farry Hillers

Sampling Date/Time: 8123124 (6-80 Avn

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
JL-WC-304	7783202	Left Bubbler				250 ML	
FH-BF-AUD- LEFT	7783203	Outside Auditorium Lett Bittle tiller					
H-WC-AVD- LEFT	7783204	Otside Auditorium	`				
FH-BF-AND- RIGHT	7783205	Outside Auditorium	-				
FH-WC-AUD-	7783206	Octside Auditorius Right Bubler					
FH-BF-Health Hall-Lett	7783207	Heath Hall Left Bothle filler					
FH-WC-Health	1103200	Health Hall Left Bubbler					
FH-BF-Halth	7783209	Hearth Hall Right Birtle fille	-				
FH-WC-Health Hall-Right	7783210	Health (dall					
FH-BF-KHall-	7783211	Kinderogusten Hall Lett Bottle filler					
FH-WC-KHall- Left	7783212	Kindergerten Hall Lett Blobler Kindergerten Hall	-	_			
FH-BF-KHAIL- Right FH-WC-KHAIL-	7783213	Right Bottle Silver Kindergeren Hail		-			
Right F4-BF-413	7783224	Right Blodes 413 Bottle fille	h-				
FH-WL-413	77832_6	413 Blobber	-				

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* =</sup> 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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-Environmental Lead -

Client: Har	Envionment	a.l	Project: <u>24-07-02</u>	Farry	Hillers
Sampling Date/Tir	ne: 8/23/24	6:00A	M		

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results ( )
H-BF-401	7783217	401 BANGALLER				ASOML	
H-WC-401	7783218	401 BUBBLE					
H-WC-FOWING	7783219	Facily water cases	/				
H-50-Fawity	7783220	Faculty Sink					
FH-Blank	7783221	Field Blank					

Insufficient Sample Provided to Perform QC Reanalysis (<200mg)</li>

<sup>\*\* -</sup> 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:

Report No.: 703935 - Lead Water

Project:

Hackensack MS

Project No.: 24-0702

### I EAD WATED CAMDLE ANALVCIC CHMMADV

	LEAD WATER SAMPLE A	NAL 1 313 3UN	TIMAKY
Lab No.:7782860 Client No.:HM-SO-306	<b>Location:</b> 306 Sink * Sample acidified to pH <2.		Result(ppb):9.60
Lab No.:7782861 Client No.:HM-FB-304	<b>Location:</b> 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	<b>Location:</b> 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	<b>Location:</b> 131 Bottle Filler * Sample acidified to pH <2.		Result(ppb):<1.00
Please refer to the Appendix of t	his report for further information regard	ling your analysis.	
Date Received: 8/22/2024 Date Analyzed: 09/06/2024 Signature:		Approved By:	Frank E. Ehrenfeld, III Laboratory Director
Analyst:			

Dated: 9/6/2024 2:44:21 Page 1 of 7



Email: customerservice@iatl.com

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Client: Karl Environmental Group

20 Lauck Road

Mohnton PA 19540

Client: KAR387

Analyst:

Report Date:

Report No.: 703935 - Lead Water

Project:

Hackensack MS

Project No.: 24-0702

	LEAD WATER SAMPLE ANALYSIS SUN	MMARY
Lab No.:7782870 Client No.:HM-BF-LOBBY-RR	<b>Location:</b> Right Bank Right Bottle Filler * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7782871 Client No.:HM-WC-LOBBY-RI	Location: Right Bank Right Bubbler  * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
Lab No.:7782872 Client No.:HM-BF-LOBBY-RL	<b>Location:</b> Right Bank Left Bottle Filler * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
Lab No.: 7782873 Client No.: HM-WC-LOBBY-RI	<b>Location:</b> Right Bank Left Bubbler  * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
Lab No.: 7782874 Client No.: HM-FB-117	<b>Location:</b> 117 Bubbler * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
Lab No.: 7782875 Client No.: HM-FD-219ANNEX	<b>Location:</b> 219 Annex Bottle Filler * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00
<b>Lab No.:</b> 7782876 <b>Client No.:</b> HM-FB1-219ANNE	Location: 219 Annex Bubbler  * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7782877 Client No.:HM-FB-203	<b>Location:</b> 203 Bubbler * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7782878 Client No.:HM-FB-ELEVATOR	<b>Location:</b> 1st Floor Annex Elevator Bubbler * Sample acidified to pH <2.	Result(ppb):<1.00
Lab No.:7782879 Client No.:HM-BF-ELEVATOR	<b>Location:</b> 1st Floor Annex Elevator Bottle Filler * Sample acidified to pH <2.	Result(ppb):<1.00
Please refer to the Appendix o	f this report for further information regarding your analysis.	
Date Received: 8/22/2024 Date Analyzed: 09/06/202 Signature:	FF	Frank E. Ehrenfeld, III Laboratory Director

Dated: 9/6/2024 2:44:21 Page 2 of 7



Email: customerservice@iatl.com

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Client: Karl Environmental Group

20 Lauck Road

Mohnton PA 19540

Signature:

Analyst:

Report Date:

Report No.: 703935 - Lead Water

Project:

Hackensack MS

Laboratory Director

Project No.: 24-0702

Client: KAR387		110,000110 2	1 0 / 02
L	EAD WATER SAMPLE ANA	LYSIS SUM	IMARY
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 n	Location: 2022 Annex Bottle Filler  * Sample acidified to pH < 2. ot meet Federal and NJ State Primary and Secon	dary Drinking Wate	Result(ppb):<1.00
Lab No.:7782882 Client No.:HM-FB1-110ANNEX	<b>Location:</b> 110 Annex Bubbler * Sample acidified to pH <2.		Result(ppb):<1.00
Lab No.:7782883 Client No.:HM-FB2-110ANNEX	<b>Location:</b> 110 Annex Bottle Filler * Sample acidified to pH <2.		<b>Result(ppb):</b> <1.00
Lab No.:7782884 Client No.:HM-FB-219	<b>Location:</b> 219 Bubbler * Sample acidified to pH <2.		<b>Result(ppb):</b> 2.40
Lab No.:7782885 Client No.:HM-FB-224	<b>Location:</b> 224 Bubbler * Sample acidified to pH <2.		<b>Result(ppb):</b> <1.00
Lab No.:7782886 Client No.:HM-FB-236	<b>Location:</b> 236 Bubbler * Sample acidified to pH <2.		<b>Result(ppb):</b> <1.00
Lab No.:7782887 Client No.:HM-FB-241	<b>Location:</b> 241 Bubbler * Sample acidified to pH <2.		<b>Result(ppb):</b> <1.00
Lab No.:7782888 Client No.:HM-BF-203	<b>Location:</b> 203 Bottle Filler * Sample acidified to pH <2.		<b>Result(ppb):</b> <1.00
Lab No.:7782889 Client No.:HM-FB-310	<b>Location:</b> 310 Bubbler * Sample acidified to pH <2.		Result(ppb):<1.00
Please refer to the Appendix of thi	s report for further information regarding	your analysis.	
Date Received:         8/22/2024           Date Analyzed:         09/06/2024		Approved By:	Frank E. Ehrenfeld, III

Dated: 9/6/2024 2:44:21 Page 3 of 7



Email: customerservice@iatl.com

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Client: Karl Environmental Group

20 Lauck Road

Mohnton PA 19540

Client: KAR387

Analyst:

Report Date:

Report No.: 703935 - Lead Water

Project:

Hackensack MS

Project No.: 24-0702

L	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.	<b>Result(ppb):</b> 1.00				
Lab No.:7782892 Client No.:HM-FB-CAFE	Location: Cafe Bubbler  * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00				
Lab No.:7782893 Client No.:HM-FB2-GYL	Location: Left Bank Left Bubbler  * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00				
Lab No.:7782894 Client No.:HM-FB1-GYMLOBBY	<b>Location:</b> Left Bank Right Bubbler * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00				
Lab No.:7782895 Client No.:HM-ICM-KIT	<b>Location:</b> Ice Machine * Sample acidified to pH <2.	<b>Result(ppb):</b> <1.00				
Lab No.:7782896 Client No.:HM-SO1-KIT	<b>Location:</b> Food Prep Sink * Sample acidified to pH <2.	Result(ppb):<1.00				
Lab No.:7782897 Client No.:HM-FB4-GYL	<b>Location:</b> Left Bank Left Bottle Filler * Sample acidified to pH <2.	Result(ppb):<1.00				
Lab No.:7782898 Client No.:HM-FB3-GYL	<b>Location:</b> Left Bank Right Bottle Filler * Sample acidified to pH <2.	Result(ppb):<1.00				
<b>Lab No.:</b> 7782899 <b>Client No.:</b> HM-FB-131	<b>Location:</b> 131 Bubbler * Sample acidified to pH <2.	Result(ppb):<1.00				
Please refer to the Appendix of this	s report for further information regarding you	r analysis.				
Date Received:         8/22/2024           Date Analyzed:         09/06/2024           Signature:         09/06/2024	Ap	Frank E. Ehrenfeld, III Laboratory Director				

Dated: 9/6/2024 2:44:21 Page 4 of 7



Email: customerservice@iatl.com

<b>CERT</b>	IEIC A	LE OE	ANAI	VCIC
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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.:7782900 Location:116 Left Sink Result(ppb):1.00

Client No.:HM-SO1-116A \* Sample acidified to pH <2.

Lab No.:7782901 Location:116 Right Sink Result(ppb):1.00

Client No.:HM-SO2-116A \* Sample acidified to pH <2.

Lab No.:7782902 Location: Girl's Locker Bubbler Result(ppb):<1.00

Client No.:HM-FB1-BL \* Sample acidified to pH <2.

Lab No.:7782903 Location: Girl's Locker Bottle Filler Result(ppb):<1.00

Client No.:HM-FB2-BL \* Sample acidified to pH <2.

Lab No.:7782904 Location:117 Bottle Filler Result(ppb):<1.00

Client No.:HM-BF-117 \* Sample acidified to pH <2.

**Lab No.:**7782905 **Location:**Boy's Locker Bottle Filler **Result(ppb):**<1.00

Client No.:HM-BF-BLR \* Sample acidified to pH <2.

Lab No.:7782906 Location:Boy's Locker Bubbler Result(ppb):<1.00

**Client No.:**HM-FB-BLR \* Sample acidified to pH <2.

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

Date Received: 8/22
Date Analyzed: 09/0

8/22/2024 09/06/2024 Approved By:

Frank Tuanful

Frank E. Ehrenfeld, III Laboratory Director

Signature: Analyst:

Dated: 9/6/2024 2:44:21



Email: customerservice@iatl.com

#### **CERTIFICATE OF ANALYSIS**

Client: Karl Environmental Group

20 Lauck Road

Mohnton PA 19540

Client: KAR387

Report Date:

Project No.:

Report No.: 703935 - Lead Water

Project: Hackensack MS

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  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 9/6/2024 2:44:21 Page 6 of 7



Email: customerservice@iatl.com

### CERTIFICATE OF ANALYSIS

Client: Karl Environmental Group

20 Lauck Road

Mohnton PA 19540 Project:

Project No.: 24-0702

703935 - Lead Water

Hackensack MS

Report Date:

Report No.:

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**.

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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.

Dated: 9/6/2024 2:44:21 Page 7 of 7



Chain of Custody 003755195

Environmental Lead –

Centact Information	
Client Company:	Project Number: 24-0702
Office Address: 20 Lauck Rd.	Project Name: Hackenspele middle salved
City, State, Zip: Mohuton, PA 19540	Primary Contact: Sean Kennedy
Fax Number: (10-890-5040	Office Phone: 610-856-7700
Email Address: skennedy & Karlen com & deerbones	
	100
*	'A 200.9
	·
Turnaround Time	
Preliminary Results Requested Date:	
Specific date / time	·
* End of next business downwhere otherwise energified ** h	It Day* I 12 Hour** I 6 Hour** I RUSH**  (atrix Dependent, ***Please notify the isis before shipping***
	versor verbennette vieuse nouth me 185 petote zubhuß
Chain of Custody Relinquished (Name/Organization): Received (Name / iATL): Sample Login (Name / iATL): Analysis(Name(s) / iATL): QA/QC Review (Name / iATL): Archived / Released:QA/QC InterLAB Use:	Date:
	[



~Environmental Lead -

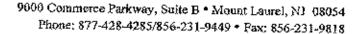
Client: Parl Environmental	Project: 24-0702 Middle School
Sampling Date/Time:	

·		<u> </u>	1			<del></del>	
Client Sample #	:ATL#	Location/ Description	Flow Rate	<u>Start</u> End	Sampling time (min)	Area (ft2) Volume (L)	Results
HM-50-306	7782860	306: Sink			:	250ml	·
1FM-FB-304	7782361	Bubbles Cofe				)	
HM-BE-CAF	<b>≘ 778</b> 2862						
HM-BF-310	7782863	310 Bottle Giller					
HM-13F-304	<b>778</b> 2225	304 He filler					
HM-BF-219	<b>778</b> 2835	Bottle Hills	·.				
HM-BE-224	7782866	Bottle Boller	·				
HH-BF-236	7782887	236 Rutto Colles				)	
HM-BE-241	<b>778</b> 2838	Bottle Filler		". 			
HM-BF-131	7782889	Bottle Biller					
1+41-BF-LOBE	- <u>P</u> P7782870	Aight bottle filler					_
HM-UX-Cobby	24.778237 <u>£</u>	Regar bubbles			·		<u> </u>
HM-BF-Lobby-	₹ 7782872 - 7982872	Right bank left bottle filler Right bank			_	+ $+$	
1	<u>7782874                                 </u>	Right bayic left bubbler 117 Bubbler	_			-	
HM-FB -117		VV. VV. V				)	

Insufficient Sample Provided to Perform QC Reanalysis (< 200mg)</li>

<sup>\*\* -</sup> Insufficient Sample Provided to Analyze (<50mg) \*\*\* = Matrix / Substrate Interference Possible
FB = Method Requires the submittal of blank(s). ML = Multi Liegered Sample. May result in inconsistent results.

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-Environmental Lead --

Client: Karl Environa	nenta/ Project: 24-0702 middle school
Sampling Date/Time: 8/22/	<u>:</u>

		<u> </u>		:		<del>                                     </del>	
Client Sample #	ÍATL#	Lecation/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
HM-FB -219AUI	<sub>JEX</sub> 7782875	219 annex Battle Filler	· ·	·		280m2	- C Z.
HM-FB1-219AL	7782876	219 annex Bubbler				1	
HM-FB-203	<b>77</b> 82877	303 Bubbler					
- 1	we 7782078	Contract Compaction	<u> </u>				
1 1	ADR 7782873	elevator bubble 1st Giver annes elevator bottle All					
1 1	υν€x 7782830	20 Zannex Bubbles					
1	พพ <sub>ตห</sub> พลเลอง	202 annex Both Giller			·		<u>.</u>
HH-FB1-110AUN		110 aprex bubbles			i	<del></del>	
1	WEX 778233	no annex					
HM-FB-219	<b>778</b> 2082	219 Bubbler					
HM-FB-224	88 9 0 n t n e d	200 411					
HM-FB-236	<b>778</b> 2009	134 bles 236 Bubbles 241					
HM-FB-241	<b>- 778</b> 2337	Bubbles					
HM-BF-203	7120000	Gottle Giller					
HM-4B-310	7782839	But her				_ \	

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

\*\* = Insufficient Sample Provided to Analyze (<50mg) \*\*\* = Matita / Substrate Interference Passible

FB = Method Requires the submitted of blank(s). ML = Multi Layered Sample, May result in inconsistent results.

These preliminary results are assent 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 elient. These results may not have been reviewed by the Laboratory Director. Final Cortificate of Analysis will follow these preliminary results. The signed COA is to be considered the official results. All EPA, HUD, and NIDEP conditions apply.



-Environmental Lead -

Client: Karl Environ	nental	_Project:_	24-0702	middle school
Sampling Date/Time: 8/20	1/24			

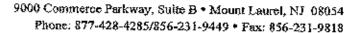
<del></del>		<del></del>	3	·	<del></del>	,	
Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
HM-BLANE	7782890	Blank	<u> </u>			250m2	
HM-SO-NURSA	7782891	Newse				ſ	
HM-FB-CAFE	<b>5989899</b>	Cafe hubbler			-		
HM-FB2-GYL	<b>778</b> 2893	Left bank left bubbler		·			
HM-FB1-GAMU	os#/182834	Left bank right bubbler	i .		· · · · · · · · · · · · · · · · · · ·		
HM-ICM-KET		Ice	İ				
HMSSOI-KIT	- <b>778</b> 2086	Food prep	: : :				
HM-FB4-GYL	7782807	Left bank left bottle fill				1	
µН-FВЗ-С-УС		Left bank right bottle 6		•		1	<del></del>
HM-FB-131	<b>778</b> 2889	131 Bubbler					
HM-501-110A	<del>7782</del> 950 -	left sink	: 	· .	<u> </u>		
HM-802-116A	<b>778</b> 2954	116 right sink	:		·		
HH-FE GYM	wai dina - o	C 110 1-16	_ <del></del> :		<del></del> :;	_ \	
HM-FBI-BL	7782992	Girl's locker bubbler Girl's locker	. ! 	!		, <u> </u>	
HM-FBZ-BL	7782903	bottle filles					į

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

\*\* = Insufficient Sample Provided to Analyse (<50mg) \*\*\* = Matrix / Substrate Intel ference Possible

FB = Method Requires the submitted of blank(s). ML = Multi Layered Sample. May result in inconsistent results.

These preliminary results are issued by IATL to expedite procedures by clients base tupon the above data. IATL assumes that all of the sampling methods and data upon which these results are based, has been recurately 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 NUDEP conditions apply.





-Environmental Lead -

Client: Par/ Environmental	_ Project:	24-0702	Middle	School
Sampling Date/Time: 8/22/24	<u>.</u>			

Client Sample#		Location/	Flow	<u>Start</u>	Sampling	Area (ft2)	Results
Cover Sample !!	iATL#	Description	Rate	End	time (min)	Volume (L)	Kesuns (
HM-BF-177	7782904	30Hle Filler		·		250mc	
	7782995	Boy's locken					
H M-BF-BLR HM-FB-BLR	7782906	Boy's locker Boy's locker Boy's locker Boy's locker					
		:					
		,			<u>.</u>		
		<u>;</u>					
					_		
		:					
	<u> </u>	:					
	<del></del>		-				
		:		_			
	<u> </u>	. :	_	_			<u> </u>
	-	· .					

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* -</sup> Insufficient Sample Provided to Analyze (<\$0mg) \*\*\*- Matrix / Substrate Interference Possible

FB = Method Requires the submittal of blank(s). ML = Multt Layered Sample, May result in inconsistent results.

Those 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 NIDEP conditions apply.

	Sample I.D.	Type of Collection	Sampled?	Time	Notes
		Point			
1_	HM-BLANK	Field Blank			
	HM-SO-MAIN OFFICE	Sink	X		DUE
	HM-WC-MO	Water Cooler			DWE
1	HM-SO-NURSE	Sink	7//	742	
1	HM-FB-CAFE	Fountain Bubbler		<del>G</del> Ko	
	HM-FB2-GYL	Fountain Bubbler		OST_	left ban left w
V	HM-FB1-GYM LOBBY	Fountain Bubbler		655	ceft bar
1	HM-ICM-KIT	Ice Machine		3473	I
	HM-SO5-KIT	Sink	У.	<del> </del>	Noto
	HM-SO4-KIT	Sink	7		1
	HM-SO3-KIT	Sink	7		
1	HM-SO2-KIT	Sink	5		1 1
1	HM-SO1-KIT	Sink		8-21	O Persil pr
	HM-FB4-GYL	Fountain But Dier Cor	0/	OST	Left Lan
1	HM-FB3-GYL	Fountain Bubbier 경우	4	<b>65</b> 5	(eff Lan
	HM-FB-131	Fountain Bubbler	10	711	
1	HM-SO1-116A	Sink	سي س	716	<u>(G</u>
1	HM-SO2-116A	Sink		7-160	(A)
ik.	HM-FB-GYM	Fountain Bubbler			6.4
1	HM-FB1-BL	Fountain Bubbler	//	757	10
7	HM-FB2-BL	Bottle Filler		~~~ <del>}</del>	(- <del>)</del>
9	HM-FB1-110 ANNEX	Water Cooler	~ V	725	Girl
1	HM-FB2-110 ANNEX	Bottle Filler		725	T
T	HM-FB1-134N ANNEX	Water Cooler			
T	HM-FB2-134N ANNEX	Bottle Filler			
	HM-FB-214 ANNEX	Fountein Bubbler			
1_	HM-FB \$248 ANNEX	WaterCeoler	500g		
1	HM-F84-21@ANNEX	Bottle Filler	18	-	
1	HM-FB-203	Fountain Bubbler	1	737	

VHM-FB-Elevator
VHM-BE-Elevator
VHM-FB-202 ANNEX
VHM-BF-202-ANNEX

Annex elevator

レン



Email: customerservice@iatl.com

Rev #2, 8/26/2024

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

Project: Hackensack High School

Project No.: 24-0702

# LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7780891 Location: 160 Bottle Filler **Result(ppb):**<1.00

Client No.:HH-BF-160 \* Sample acidified to pH <2.

Lab No.:7780892 Location: 160 Bubbler

\* Sample acidified to pH <2. Client No.:HH-WC-160

Lab No.:7780893 Location: Cafe Bottle Filler

Client No.:HH-BF-Cafe \* Sample acidified to pH <2.

Lab No.:7780894 Location: Cafe Bubbler

\* Sample acidified to pH <2. Client No.:HH-WC-Cafe

Lab No.:7780895 Location: 210 Bottle Filler

Client No.:HH-BF-210 \* Sample acidified to pH <2.

Lab No.:7780896 Location: 210 Bubbler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-FB-210

Lab No.:7780897 Location: 201 Bubbler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-FB-201

Lab No.:7780898 **Location:**201 Bottle Filler **Result(ppb):**<1.00

Client No.: HH-BF-201 \* Sample acidified to pH <2.

Lab No.:7780899 **Location:**218 Bottle Filler **Result(ppb):**<1.00

Client No.:HH-BF-218 \* Sample acidified to pH <2.

Lab No.:7780900 Location:218 Bubbler Result(ppb):<1.00

Client No.:HH-FB-218 \* Sample acidified to pH <2.

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

8/15/2024 Date Received:

08/22/2024 Date Analyzed:

Signature:

Chad Shaffer Analyst:

Dated: 8/26/2024 1:55:33 Page 1 of 7 Approved By:

Frank E. Ehrenfeld, III Laboratory Director



Email: customerservice@iatl.com

Rev #2, 8/26/2024

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

Project: Hackensack High School

Project No.: 24-0702

# LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: 406 Bubbler Lab No.:7780901 **Result(ppb):**<1.00

Client No.:HH-FB-406 \* Sample acidified to pH <2.

Lab No.:7780902 Location: 406 Bottle Filler

\* Sample acidified to pH <2. Client No.:HH-BF-406

Lab No.:7780903 Location: 422 Bottle Filler

Client No.:HH-BF-422 \* Sample acidified to pH <2.

Lab No.:7780904 Location: 422 Bubbler

\* Sample acidified to pH <2. Client No.:HH-FB-422

Lab No.:7780905 Location: 307 Bubbler

\* Sample acidified to pH <2. Client No.:HH-FB-307

Lab No.:7780906 Location: 307 Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-BF-307

Lab No.:7780907 Location: 301 Bottle Filler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-BF-301

Location: 301 Bubbler Client No.: HH-FB-301 \* Sample acidified to pH <2.

Lab No.:7780909 Location: 344 Bubbler **Result(ppb):**<1.00

Client No.:HH-FB1-344 \* Sample acidified to pH <2.

Lab No.:7780910 Location: 344 Bottle Filler Result(ppb):<1.00

Client No.:HH-BF-344 \* Sample acidified to pH <2.

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

8/15/2024 Date Received:

Lab No.:7780908

08/22/2024 Date Analyzed:

Signature: Chad Shaffer Analyst:

Dated: 8/26/2024 1:55:33 Page 2 of 7 Approved By:

Frank E. Ehrenfeld, III Laboratory Director

**Result(ppb):**<1.00



Email: customerservice@iatl.com

Rev #2, 8/26/2024

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

Project: Hackensack High School

Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7780911 Location:334 Bubbler Result(ppb):<1.00

Client No.:HH-FB-334 \* Sample acidified to pH <2.

Lab No.:7780912 Location:334 Bottle Filler Result(ppb):<1.00

Client No.:HH-BF-334 \* Sample acidified to pH <2.

Lab No.:7780913 Location: Library Bubbler Result(ppb):<1.00

Client No.: HH-FB-Library \* Sample acidified to pH <2.

Lab No.:7780914 Location: Library Bottle Filler Result(ppb):<1.00

Client No.:HH-BF-Library \* Sample acidified to pH <2.

Lab No.:7780915 Location: 322 Bubbler Result(ppb):<1.00

Client No.: HH-FB-322 \* Sample acidified to pH <2.

Lab No.:7780916 Location: 322 Bottle Filler Result(ppb):<1.00

Client No.:HH-BF-322 \* Sample acidified to pH <2.

Lab No.:7780917 Location:186 Bubbler Result(ppb):<1.00

Client No.:HH-FB-186 \* Sample acidified to pH <2.

Lab No.:7780918 Location: 186 Bottle Filler Result(ppb):<1.00

Client No.:HH-BF-186 \* Sample acidified to pH <2.

Lab No.:7780919 Location:181 Bubbler Result(ppb):<1.00

Client No.: HH-FB-181 \* Sample acidified to pH <2.

Lab No.:7780920 Location:181 Bottle Filler Result(ppb):<1.00

Client No.: HH-BF-181 \* Sample acidified to pH <2.

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

2024

Frank E. Ehrenfeld, III Laboratory Director

Approved By:

Dated: 8/26/2024 1:55:33 Page 3 of 7



Email: customerservice@iatl.com

Rev #2, 8/26/2024

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

Project:

Hackensack High School

Project No.: 24-0702

# LEAD WATER SAMPLE ANALYSIS SUMMARY

**Location:**Fieldhouse 1 Right Bubbler **Result(ppb):**<1.00 Lab No.:7780921

Client No.:HH-FB-FH1 \* Sample acidified to pH <2.

Lab No.:7780922 **Location:**Fieldhouse 1 Bottle Filler

\* Sample acidified to pH <2. Client No.:HH-BF-FH1

Lab No.:7780923 Location: Fieldhouse 1 Left Bubbler

Client No.:HH-FB2-FH1 \* Sample acidified to pH <2.

Location: Fieldhouse 1 Ice Machine Lab No.:7780924

Client No.:HH-ICM-FH1 \* Sample acidified to pH <2.

Location: Fieldhouse 2 Bottle Filler Lab No.:7780925

Client No.:HH-BF-FH2 \* Sample acidified to pH <2.

Lab No.:7780926 Location: Fieldhouse 2 Bubbler **Result(ppb):**<1.00

Client No.:HH-FB-FH2 \* Sample acidified to pH <2.

Lab No.:7780927 Location: 287 Bubbler **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-FB-287

Lab No.:7780928 **Location:**287 Bottle Filler **Result(ppb):**<1.00

Client No.:HH-BF-287 \* Sample acidified to pH <2.

Lab No.:7780929 Location: 276 Bubbler **Result(ppb):**<1.00

Client No.:HH-FB-276 \* Sample acidified to pH <2.

Lab No.:7780930 Location: 276 Bottle Filler Result(ppb):<1.00

Client No.:HH-BF-276 \* Sample acidified to pH <2.

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

8/15/2024 Date Received:

Dated: 8/26/2024 1:55:33

08/22/2024 Date Analyzed:

Signature: Chad Shaffer

Analyst:

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 4 of 7



Email: customerservice@iatl.com

Rev #2, 8/26/2024

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

Project: Hackensack High School

Result(ppb):<1.00

Project No.: 24-0702

LEAD WATER SAMPLE ANALYSIS SUMMARY

Location: Wight Room Bubbler Lab No.:7780931 Result(ppb):<1.00

\* Sample acidified to pH <2. Client No.:HH-FB-Weight

Lab No.:7780932 Location: Weight Room Bottle Filler

\* Sample acidified to pH <2. Client No.:HH-BF-Weight

Location: Blank Lab No.:7780933 Result(ppb):<1.00

\* Sample acidified to pH <2. Client No.:HH-Blank-FH1

Lab No.:7780934 Location: Blank **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-Blank-FH2

Lab No.:7780935 Location:Blank Result(ppb):<1.00

Client No.: HH-Blank \* Sample acidified to pH <2.

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

Date Received:

8/15/2024

Date Analyzed:

Dated: 8/26/2024 1:55:34

08/22/2024

Signature: Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III

Laboratory Director



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

Client: KAR387 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

- <u>Certification:</u>
   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  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 8/26/2024 1:55:34 Page 6 of 7



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

Client: KAR387 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**.

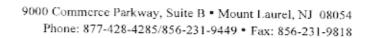
Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same 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.

Dated: 8/26/2024 1:55:34 Page 7 of 7





# Chain of Custody - Environmental Lead -

	– Environmenta	i Lead –		
Contact Information				
Client Company: Karl Env	(Vonmental Pr	oject Number:	24-07	2007
Office Address: 20 Lauck		Project Name:	4	
City, State, Zip: Mohnton		•		ack High School
		mary Contact:	Hugele	
		Office Phone:		56-7700
Email Address: ameas @ Kav	lenv.com	Cell Phone:	484-34	15-9846
iATL is accredited by the National Leenvironmental samples for lead (Pb). recognized state programs.  Matrix/Method:  Paint by AAS: ASTM D3335-8  Wipe/Dust by AAS: SW 846: 3  Air by AAS: NIOSH 7082, 199  Soil by AAS: EPA SW 846 (So  Water by AAS-GF: ASTM D3:  Other Metals (Cd, Zn, Cr) by A  Toxicity Characteristic Leaching Other  Special Instructions:	The accreditation is throug 35a, 2009 3050B: 700B, 2010 94 oil) 559-03D, US EPA 200.9	h AIHA-LAP, L	LC and sever	rm analytical testing of al other nationally
Turnaround Time Preliminary Results Requested Date:  Spec.  10 Day 45 Day 4 * End of next business day unless other	ific date / time 3 Day 2 Day 1 Day* erwise specified. ** Matrix Depo	☐ 12 Hour** ☐ 6	Email Hour** Rtotify the lab before	JSH**
Chain of Custody	2			
Relinquished (Name/Organization):	Wale As I	Date: 8/15/24	Time:	RECEIVED
Received (Name / iATL):		Pate:	Time:	
Sample Login (Name / iATL):	D	ate:		
Analysis(Name(s) / iATL):	08/24/2m D	ate:	Time:	AUG 1.5 2024
QA/QC Review (Name / iATL):	D	ate:	Time:	HUU IN
Archived / Released: QA/QC	InterLAB Use: D	ate:	Time:	7 37 m²²
				000
THE PARTY OF THE LAST CASE OF THE PARTY OF T				-47



-Environmental Lead -

Client: Ray Enviror	mental Project:	Hackensack	High Show 1
Sampling Date/Time: 8/15/	14		

	Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
	1+1+BF-160	7780891	Bottle Giller		557		250ml	
	HH-WE-160	7780892	160 Bushler		597		1	
	44-BF-CAGE	7780893	Cerfe Bottle Filler		602			
	HH-WX-CAFE	7780894	Cafe		602			
*	HIX-BF-210	7780895	210 Bottle Giller		6D5			
48-		7780896	210 Bubbler		605			
	HH-FB-201	7780897	301 Burbler		606			
	HH-BF-201	7780898	201 TBOHE GILEN	,	600			
	HH -BF-218	7780899	218 Bollo Filler		616			
	1-1-1-1-18-218	11000000	Baibbler		60			
	1+14-FB-406	7780901	406 Bubbler		Q15			
	1+14-BF-406	<b>7</b> 780902	406 Bottle filler		615			
	H1+-BF-42	7780903	30 Hie Giller		617		,	
	HH-FB-472	7780904	422 Bubbled		617			
	1-14-FB-307	7780905	307 Bubbler		020		\	

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* -</sup> 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



-Environmental Lead -

Client: Kar/	Envivonmental	_ Project:	Hackensack	High	School
C 11 To 1001	al. (2.				

Sampling Date/Time: $8/(5/29)$	Sampling	Date/Time:	8/15/	24
--------------------------------	----------	------------	-------	----

Client Sample #	iATL#	Location/ Description	Flow Rate	Start End	Sampling time (min)	Area (ft2) Volume (L)	Results
H4-BF-307	7780906	307 Bottle filler.		620		2504 (	
HH-8F-301	77899?"	301 Bottle Giller		622			
1+14-43-301	7780908	301 Bubbler		622			
HH-FB1-344	7780909	Bubbler Bubbler		626			
HH-BF-344	7780910	344 Bottle Giller		626			
HH-F15-534	7780911	3341 Bubblev		630			
HH-BF-394	7780912	334 BoHle Giller		630			
HH-FB-CIBRARY	7780913	Library Bushler		632			
HH-BF-CIBRARY	7780014 7780915	Library Bottle Giller		632			
HH-FB-322	1,00373	322 Bubbler		635			
44-BF-322	7780915	322 Bottle Giller		635			
HH-FB-186	7780917	186 Bubbles		640			
HH-BK-186	7780913	186 Bottle Giller		60			
HIA-FB-181	7780919	181 Bubbler		642			
HH-BF-181	7780920	181 Bottle Giller		642		(	

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* -</sup> 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



-Environmental Lead -

Client	: Kerl Environmental	Project:	Hackensuck	Hich	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-FH	7780931	Fielthouse 1 Right Subbler		650		250m	
HH-BF-FH)	7780982	Field Louse 1 Bottle Filler		650		)	
HH-FBZ-FHI	7780023	Field housel Left bubbler		650			
AH-TOM-FHI	7780984	Field house 1 I've machine		650			
HH-BF-FH2	<b>778</b> 0935	Field house 2 Bottle Biller		655			
HH-FB-FHZ	7780936	Field housez Bubbles		655			
44-FB-287	7780927	287 Busbler		702			
HH-BF-287	7780928	Bottle Giller		702			
HH-FB-276	7780000	Hest-Bubbler		70c1			
HH-BFA76	7780930	276 Bottle Giller		704			
HH-FB-Weigh		Bubbley		716			
1-14-BF-Weigh	7781113	Bottle filler		710			
HH-FH- BLADE		Blank					
HH-BLANK-FA	7780 <u>934</u> 7780 <u>9</u> 35	Blank	Pcid1	Cipi A	vs 8/1/4		

<sup>\* —</sup> 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: 9/12/2024

Report No.: 704360 - Lead Water

Project: Hackensack HS

Project No.: 24-0702

# LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7786104 **Location:** Gym Main Lobby Right Bottle Filler **Result(ppb):**<1.00 Client No.:HH-BF-1-MGL \* Sample acidified to pH <2. Location: Gym Main Lobby Right Bubbler Lab No.:7786105 Client No.:HH-FB-1-MGL \* Sample acidified to pH <2. Lab No.:7786106 **Location:**Gym Main Lobby Bottle Filler Client No.: HH-BF-2-MGL \* Sample acidified to pH <2. Lab No.:7786107 Location: Gym Main Lobby Middle Bubbler Client No.: HH-FB-2-MGL \* Sample acidified to pH <2. Location: Gym Main Lobby Left Bubbler Lab No.:7786108 Client No.:HH-FB3-MGL \* Sample acidified to pH <2. Lab No.:7786109 **Location:** Gym Main Lobby Left Bubbler Result(ppb):<1.00 Client No.: HH-FB4-MGL \* Sample acidified to pH <2. Lab No.:7786110 Location: Gym Main Lobby Left Bottle Filler Result(ppb):<1.00 Client No.: HH-BF4-MGL \* Sample acidified to pH <2. Result(ppb):<1.00 Lab No.:7786111 **Location:** Gym Main Lobby Right Bottle Filler Client No.:HH-BF5-MGL \* Sample acidified to pH <2. Lab No.:7786112 **Location:** Gym Main Lobby Right Bubbler Result(ppb):<1.00 Client No.:HH-FB5-MGL \* Sample acidified to pH <2. Lab No.:7786113 Location: Bubbler Result(ppb):<1.00 Client No.: HH-FB-Rear Gym \* 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:

Dated: 9/13/2024 7:55:05

09/12/2024

Signature: Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 1 of 5



Email: customerservice@iatl.com

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

Location: Sink HH-S01-195 Lab No.:7786114 Result(ppb): 1.60

Client No.:HH-S01-195 \* Sample acidified to pH <2.

**Lab No.:**7786115 Location: Sink HH-S02-195 **Result(ppb):** Sample Not Received \* Sample acidified to pH <2.

Client No.:HH-S02-195

Lab No.:7786116 Location: Sink HH-S03-195 Client No.:HH-S03-195 \* Sample acidified to pH <2.

Lab No.:7786117 Location: Sink HH-S04-195

\* Sample acidified to pH <2. Client No.:HH-S04-195

Lab No.:7786118 Location: Pot Filler

Client No.:HH-PotFiller-195 \* Sample acidified to pH <2.

Lab No.:7786119 Location: Sink HH-S05-195 Result(ppb):2.10

\* Sample acidified to pH <2. Client No.:HH-S05-195

Lab No.:7786120 Location: Cafe Kitchen **Result(ppb):**<1.00

\* Sample acidified to pH <2. Client No.:HH-S02-Cafe

Lab No.:7786121 Location: Cafe Kitchen Result(ppb):32.3

Client No.:HH-S01-Cafe \* Sample acidified to pH <2.

Result(ppb):2.30 Lab No.:7786122 Location: Cafe Kitchen

Client No.:HH-S03-Cafe \* Sample acidified to pH <2.

Lab No.:7786123 Location: Cafe Kitchen Result(ppb):<1.00

Client No.:HH-S04-Cafe \* Sample acidified to pH <2.

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

Date Received: 09/12/2024 Date Analyzed:

Signature:

9/4/2024

Chad Shaffer Analyst:

Dated: 9/13/2024 7:55:05

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 2 of 5



Email: customerservice@iatl.com

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

Dated: 9/13/2024 7:55:05

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 3 of 5



PA

19540

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: 9/12/2024

20 Lauck Road Report No.: 704360 - Lead Water

Project: Hackensack HS

Client: KAR387 Project No.: 24-0702

# Appendix to Analytical Report:

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

Mohnton

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  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 9/13/2024 7:55:05 Page 4 of 5



Email: customerservice@iatl.com

### 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

Client: KAR387 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.

Dated: 9/13/2024 7:55:05 Page 5 of 5



# **Chain of Custody**

003768401

- Environmental Lead -

	- Lilyhonine	man Doad	<u>`</u>
Contact Inform	ation .		
Client Company: Office Address: City, State, Zip:	Social Environmental 20 Laver Rol Mobiles PA	Project Number: Project Name: Primary Contact:	24-0702 Hackensack High School Angela Meas
Fax Number:	610-856-5040	Office Phone:	610-856-7700
Email Address:	aneas @ Karlenu, con	Cell Phone:	484-345-9846
		<del></del>	
environmental san recognized state p  Matrix/Method Paint by AA Wipe/Dust b Air by AAS: Soil by AAS Water by AA Other Metals	i S: ASTM D3335-85a, 2009 y AAS: SW 846: 3050B: 700B, 2010 NIOSH 7082, 1994 : EPA SW 846 (Soil) AS-GF: ASTM D3559-03D, US EPA s (Cd, Zn, Cr) by AAS aracteristic Leaching Procedure (TCL	hrough AIHA-LAP, I	LC and several other nationally
Turnaround T	ime		·
Preliminary Results I	Requested Date:Specific date / time	Vert	bal Email Fax
* End of nex	10 Day 25 Day 13 Day 2 Day 11 thusiness day unless otherwise specified. ** Mat	Day* 12 Hour** To ix Dependent, ***Please	16 Hour** TRUSH** notify the lab before shipping***
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Chain of Custo Relinquished (Na Received (Name Sample Login (N Analysis(Name(s QA/QC Review of Archived / Relea	(Name / iATL):	Date: 9/4/2" Date:	Time:



-Environmental Lead -

Client: Harl Environmental	Project: <u>24-0702</u>	High School
Sampling Date/Time: 8/31/24	6:30 AM	•

		Location/	Flow	Start	Sampling	Area (ft2)	Results
Client Sample #	iATL#	Description	Rate	End	time (mia)	Volume (L)	( )
HH-BF1-MGL		Coym-Moin Lobb Right Bottle Filler			: 	250 mL	
HH-FB-1-MGL		Cym-Man Looby Bight Blother	·			<u> </u>	
X HH-BF-2-M61	7786183	Middle Bottle follow			· 		
HH-FB-2-MGC	7786107	Middle Blobber				<u> </u>	
HH-FB3-MG	7786103	Cym-Man Labby Left: Bubbler					
HH-FBH-MG1	7786109	Gym-Main Lödby Left Bubbler					
HH-BFH-MGL	7786110	Gym-Man Lobby Leff Botherfiller	<u>.</u>				
HH-BF5-MG	7786111	Gym-Main Lobby Kight Bottle filler		_			
HH-FBS-MG1	7786112	Gym-Man 200by Right Blobber				<u> </u>	
HH-FB-Rook G	7786113	Bibbler		<u> </u>		<u> </u>	
HH-501-195	7786114	51nx HH-501-195 Sinx		ļ	<u> </u>		
AHH-502-195	7786115	HH-502-195	ļ. <u> </u>	<del> </del>	·		
HH-S03-195	7786116	5in4 HH-503-195					
144-504-195	7786:27	HH-504-195		-		<u> </u>	
HH-704Filer-19	S 7786118	Pot-filler		_ii	<u> </u>		

\*labeled HH-BF3-mal

<sup>\*—</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

\*\* = Insufficient Sample Provided to Analyze (<50mg) \*\*2= Matrix / Substrate Interference Possible

FB — Method Requires the submittal of blankfs). 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 CO of in the considered the official results. All EPA, HUD, and NIDEP IATL 7786115 conditions apply.



-Environmental Lead -

Client: Karl Environment	21 Project: 24-0702 High School
Sampling Date/Time: 8/31/24	(a:30 AM

Cilent Sample #	iATL#	Location/ Description	Fiow Rate	<u>Start</u> End	Sampling time (min)	Area (ff2) Volume (L)	Results
HH-505-195	7786119	5ink HH-505-195	<b>.</b>			250Wr	<u> </u>
HH-SOQ-CAFE	7786120	Cafe Kitchen				V	
HH-SOI-(AFE	7786131	Cate Kitchen		<u> </u>	<u>.                                    </u>		
HH-SO3-CAFE	7786102	Cate Kitchen	-				
HH-504-(AFE	7786103	Cate Kitchen	•				
HH-ICM-CHFE	7786104	Ice Machine					
HH-SO- Custodian	<del>- 7786<u>135</u>-</del>	Custodian Rreat Lam	: .				
HH-fieldblank	7786126 	Gield Hank		<u></u>			
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<sup>\* -</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

<sup>\*\* =</sup> Insufficient Sample Provided to Analyze (<50mg) \*\*\* = Mairix / 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: 9/3/2024

Report No.: 703936 - Lead Water

Project: ECDC Project No.: 24-0702

# LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7782907 Location: Blank **Result(ppb):**<1.00 \* Sample acidified to pH <2. Client No.: ECDC-Blank Lab No.:7782908 Location: Cafe Bubbler **Result(ppb):**<1.00 \* Sample acidified to pH <2. Client No.:ECDC-01 Lab No.:7782909 **Location:**Cafe Bottle Filler \* Sample acidified to pH <2. Client No.:ECDC-02 Lab No.:7782910 Location: Kitchen Line Sink Client No.: ECDC-03 \* Sample acidified to pH <2. Location: Dish Sink Lab No.:7782911 \* Sample acidified to pH <2. Client No.: ECDC-04 Lab No.:7782912 Location: 112 Bottle Filler **Result(ppb):**<1.00 \* Sample acidified to pH <2. Client No.: ECDC-05 Lab No.:7782913 Location: 112 Bubbler Result(ppb):<1.00 \* Sample acidified to pH <2. Client No.:ECDC-06 Lab No.:7782914 Location: 206 Bottle Filler **Result(ppb):**<1.00 \* Sample acidified to pH <2. Client No.: ECDC-07 Lab No.:7782915 Location: 206 Bubbler Result(ppb):<1.00

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

\* Sample acidified to pH <2.

Date Received:

Client No.: ECDC-08

8/22/2024

Date Analyzed:

Dated: 9/4/2024 11:52:46

09/03/2024

Signature: Analyst:

Chad Shaffer

Approved By:

Frank E. Ehrenfeld, III Laboratory Director

Page 1 of 3



PA

19540

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: 9/3/2024

20 Lauck Road Report No.: 703936 - Lead Water

> Project: **ECDC** Project No.: 24-0702

Client: KAR387

# Appendix to Analytical Report:

Customer Contact: Mike Karl

Mohnton

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  $\mu$ g/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

Dated: 9/4/2024 11:52:46 Page 2 of 3



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**.

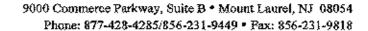
Matrix spiking is performed on each client batch to determine if interferences could impact results. When spike recoveries fall out of acceptable range matrix interference is suspected and samples are diluted until acceptable spike recovery can be achieved. Reporting limits will increase by the same 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.

Dated: 9/4/2024 11:52:46 Page 3 of 3





記載を表現する。 003755197

# **Chain of Custody**

- Environmental Lead -

Contact Information	
Client Company: // / Environmenta   Project No	umber: 74-0727.
Office Address: 30 Lauck Rd. Project	Name: ECDC
City, State, Zip: Mohulon, PA 19540 Primary C	ontact: Son Kennedy
	Phone: 610-856-7700
Email Address: skennedy & Kadenucam & deerbone@KarlenucaCell	
- The state of the	
<u> </u>	
iATL is accredited by the National Lead Laboratory Accreditation Progrenvironmental samples for lead (Pb). The accreditation is through AIHA 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:	FFS EPA 1311
Other	00 11111011
Special Instructions:	
200.8	
Turnaround Time	
Preliminary Results Requested Date:	Dverhal Bmatil DFax
Specific date / time  10 Day	wr** T 6 Hour** T RUSH**
* End of next business day unless otherwise specified. ** Matrix Dependent. *	
· · · · · · · · · · · · · · · · · · ·	
	Patrickers visited
Chain of Custody	-10-184
Relinquished (Name/Organization):  Received (Name / iATL):  Date:	<del>25 / </del>
Sample Login (Name / iATL):  Date:  Date:	8/22/24Time: 16:45 67
Analysis(Name(s) / iATL):  Date:	Time:
QA/QC Review (Name / iATL): Date:	Time:
Archived / Released: QA/QC InterLAB Use: Date:	; 5 Time: r-,
	The little to the state of the



-Environmental Lead -

Client: Kar/	Environmental Project: 24-0702 ECDC
Sampling Date/Time: _	8/22/24

Client Sample #	iatl#	Location/ Description	Flow Rate	<u>Start</u> End	Sampling time (min)	Area (ff2) Volume (L)	Results ( )
ECDX-BLANK	7782997	Blank		[		<i>28</i> 0 m2	
Ecoc-61	<b>778</b> 2908	Cofe <b>b</b> ubbles		<u> </u>			
FC5C-c2	<b>778</b> 2999	Carte Bothe Allen					
ECU-03	<b>778</b> 2940	Kitchen line Sank		: j			
Ecoc-ou	<b>778</b> 29 😭	Dosh sinle					
Ectic-os	<b>778</b> 29 <u>12</u>	112 Bottle Giller	_ :	: 			
Ecoc-06	<b>778</b> 29 3	Bottle Giller 112 Bubbler				:   -	
Ecox-07	7782914	206 Bette filler		i			
EC0X-08	77829:5	206 Bubbler	· 				
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<u>          i</u>		<del>:</del>				<u> </u>	

These pretiminary 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 accumulate 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.

<sup>\* =</sup> Insufficient Sample Provided to Perform QC Reanalysis (<200mg)

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

FB - Method Requires the submitted of blank(s). ML - Multi-Layered Sample. May result in inconsistent results.