SYNERTECH
ENVIRONMENTAL LLC

228 Moore Street
Philadelphia, PA 19148
Phone 215-755-2305
Fax 215-755-2405
www.gosynertech.com

May 08, 2024

Mr. Lawrence Threadgill
Universal Companies
1427 Catharine Street, 4th Floor
Philadelphia, Pennsylvania 19146

Re: Summary Report for Lead in Water Sampling
Universal Companies – Universal Institute Charter School
Philadelphia, Pennsylvania
Synertech Project No. 704-003-04

Dear Mr. Threadgill:

I. Executive Summary

At your request, on April 11, 2024, *Synertech Environmental, LLC* performed lead in water sampling at the Universal Institute Charter School, which is located at 801 South 15th Street, Philadelphia, Pennsylvania. The water sampling was conducted as part of an ongoing lead in drinking water testing program to evaluate, document, and ensure an acceptable water quality for all potable drinking water outlets throughout the K-8 charter school building. The project included the collection of samples for analysis for lead in drinking water. This report is a summary of the sampling protocols and testing data.

II. Methodologies and Acceptable Standards

Synertech Environmental, LLC performed sampling for the parameters listed below. The sample Analysis was performed by the National Lead Laboratory Accreditation Program (NLLAP) accredited laboratory *IATL* located in Mt. Laurel, New Jersey. All samples were collected via the American Society for Testing and Materials (ASTM) sampling method D3559-08D and analyzed by Atomic Absorption Spectroscopy (AAS)-Graphite Furnace (GF).

A total of forty-six (46) samples were collected from twenty-three (23) sink, water fountain and bottle filler outlet locations throughout the building. The sampling consisted of a "first draw" and "flush" sample collected at each drinking water outlet and filtered bottle filler outlet locations. The outlets were not utilized for at least 6 hours prior to sample collection as per the EPA 40 CFR Part 141 Subpart I (lead and copper rule) sampling guidelines.

Laws and Regulations

There are no state or federal laws requiring testing of drinking water in schools, except for schools that have their own water supply and are thus regulated under the Safe Drinking Water Act (SDWA). The vast majority of public water suppliers do not include schools in their sampling plans because regulations (specifically the Lead and Copper Rule) require sampling of single-family dwellings. **However, Section A-703.2; B. of the City of Philadelphia Code does require the following**:

- "The Health Department or a testing agency certified by the Pennsylvania Department of Environmental Protection has certified, within the previous five years, that the building is in substantial compliance with applicable water quality requirements of the Board of Health, provided that in no event shall applicable water quality requirements be deemed to permit lead in water at an outlet such as a sink or water fountain that is in service at 10 parts per billion (ppb) or micrograms/liter (ug/L), or more. Any water outlet determined to exceed any such water quality requirements shall be taken out of service within 24 hours of notification of the relevant test. The owner of the educational occupancy shall post the results of the most recent water quality testing at each educational occupancy to a generally available website within ten days of receipt of the results."

The Board of Health regulation describes your responsibility for testing your water outlets. Results of the testing for each potable water outlet in your facility should be reported to the health department by email to WaterLeadTesting@phila.gov. The submission of results should include the following information:

1. A cover letter that identifies the name, address, and contact information for your facility.
2. A laboratory report that shows the date of sampling, the name of the laboratory performing the analysis, and the lead result for each potable (drinkable) water outlet.
3. If any lead results are reported to be equal to or exceeding the action level of 10 ppb, you must discontinue use of the outlet immediately (within 24 hours). Report your response action(s) associated with an outlet with an elevated lead level in the cover letter. Any outlet with an elevated lead level may be put back into service only after corrective action has been taken and a repeat lead test has shown the level to be less than 10 ppb.

In addition to the requirements by the City of Philadelphia, the EPA recommends that schools implement programs for reducing lead in drinking water as part of the school's overall plan for reducing environmental threats. Safe and healthy school environments foster healthy children and may improve students' general performance.

Although drinking water often incorporates low levels of some contaminants as it flows in rivers and collects in aquifers, these materials usually are not detected at harmful levels. Public water suppliers must monitor their water to make sure it complies with science-based public health standards. The EPA sets these maximum allowable levels of contaminants in drinking water under The Safe Drinking Water Act (SDWA).

The health effects language mentioned in this report is not intended to catalog all possible health effects for the following drinking water contaminant. Rather, it is intended to inform consumers of some of the possible health effects associated with drinking water contaminants when the EPA rule and regulations was finalized. A medical doctor is to be consulted if further information is required.

National Primary Drinking Water Regulations

The U.S. Environmental Protection Agency (EPA) has established National Primary Drinking Water Regulations that set mandatory water quality standards for drinking water contaminants. These are enforceable standards called Maximum Contaminant Levels (MCL), which are established to protect the public against consumption of drinking water contaminants that present a risk to human health. An MCL is the maximum allowable amount of a contaminant in drinking water which is delivered to the consumer. MCLs are set as close to the health goals as possible, considering cost, benefits, and the ability of public water systems to detect and remove contaminants using suitable treatment technologies. The EPA has set this level of protection based on the best available science to prevent potential health problems. The following paragraphs contain MCLs and brief health effects of those reported to be associated with the samples collected at this time.

- *Lead*, a metal found in natural deposits, is commonly used in household plumbing materials and water service lines. Most lead contamination occurs at some point in the water delivery system. Materials in the water delivery system may include service connections, pipes, brass fixtures, and solder. If subsequent samples yield elevated levels of lead action may require the replacement of water delivery parts with 'non-leaded' parts. Homes built before 1986 are more likely to have lead pipes, fixtures and solder. However, new homes are also at risk: even legally "lead-free" plumbing may contain up to eight (8) percent lead. The most common problem is with brass or chrome-plated brass faucets and fixtures which can leach significant amounts of lead into the water, especially hot water.

  There is no safe level of lead. Lead toxicity affects the nervous system, both in adults and children. Long-term exposure can result in decreased performance in cognitive ability and functions of the nervous system. Lead exposure also causes small increases in blood pressure, particularly in middle-aged and older people and can cause anemia. Exposure to high lead levels can severely damage the brain and kidneys in adults or children and ultimately cause death. Lead does not noticeably alter the color, taste, or odor of water. The effects of low-level toxicity of lead in water may not be obvious. There may be no symptoms, or the symptoms may be mistaken as flu or other illness. Many domestic water treatment systems remove the majority of lead from drinking water.

  The Action Level (AL) of Lead (Pb) in accordance with the City of Philadelphia Code "Action Level" **is 10 micrograms per liter (µg/L), or 10 ppb** while the Environmental Protection Agency (EPA) drinking water standard is 15 ppb. The Action Level is defined as the concentration of lead in water that may trigger requirements for corrosion control, source water treatment, lead service line replacement, and public education. Compliance with an action level is based on multiple samples.

III. Sampling Results

The following tables outline the sample results for each outlet where water samples were collected during this project. Samples were only collected from operational units.

Lead in Drinking Water						
Sample #	**Location**	**Outlet Type**	**Draw**	**Sampling Method**	**CoP Action Level (AL)**	**Results (ppb)**
Northeast Building						
01	1st Floor Hallway At Main Lobby Water Cooler	WF	First	ASTM D3559-08D Via AAS-GF	10ppb (parts per billion)	<1.00
02	1st Floor Hallway At Main Lobby Water Cooler	WF	Flush			<1.00
03	1st Floor Hallway At Main Lobby Bottle Filler	HS	First			<1.00
04	1st Floor Hallway At Main Lobby Bottle Filler	HS	Flush			<1.00
05	**1st Floor Hallway Outside Cafeteria Water Cool**	**WF**	**First**			**1.10**
06	1st Floor Hallway Outside Cafeteria Water Cool	WF	Flush			<1.00
07	1st Floor Hallway Outside Cafeteria Bottle Filler	HS	First			<1.00
08	1st Floor Hallway Outside Cafeteria Bottle Filler	HS	Flush			<1.00
09	2nd Floor - Hallway Next To Women's Restroom Water Cooler	WF	First			<1.00
10	2nd Floor - Hallway Next To Women's Restroom Water Cooler	WF	Flush			<1.00
11	2nd Floor - Hallway Next To Women's Restroom Bottle Filler	HS	First			1.10
12	2nd Floor - Hallway Next To Women's Restroom Bottle Filler	HS	Flush			<1.00
13	2nd Floor - Hallway Near Multi-Purpose Room Water Cooler	WF	First			<1.00
14	2nd Floor - Hallway Near Multi-Purpose Room Water Cooler	WF	Flush			<1.00

WF = Water Fountain **S** = Sink Outlet **HS** = Hydration Station/Bottle Filler **ICP – MS =** Inductively coupled plasma mass spectrometry
Results reported in **RED** are at or above the Action Level and should be **taken out of service immediately**.
Results reported in **BOLD** are below the Action Level but not void of lead content and should be flushed daily.

Summary Report for Lead in Water Sampling
Universal Companies – Universal Institute Charter School
Philadelphia, Pennsylvania
Synertech Project No. 704-003-04

Lead in Drinking Water						
Sample #	**Location**	**Outlet Type**	**Draw**	**Sampling Method**	**CoP Action Level (AL)**	**Results (ppb)**
Northeast Building						
15	2nd Floor - Hallway Near Multi-Purpose Room Bottle Filler	HS	First	ASTM D3559-08D Via AAS-GF	10ppb (parts per billion)	<1.00
16	2nd Floor - Hallway Near Multi-Purpose Room Bottle Filler	HS	Flush			<1.00
Northwest Building						
17	Kitchen Sink (Left)	S	First	ASTM D3559-08D Via AAS-GF	10ppb (parts per billion)	<1.00
18	Kitchen Sink (Left)	S	Flush			<1.00
19	**Kitchen Sink (Right)**	**S**	**First**			**1.30**
20	Kitchen Sink (Right)	S	Flush			<1.00
21	**Kitchen Sink Adjacent Cafeteria Door**	**S**	**First**			**24.0**
22	**Kitchen Sink Adjacent Cafeteria Door**	**S**	**Flush**			**1.5**
23	Kitchen Island Sink	S	First			<1.00
24	Kitchen Island Sink	S	Flush			<1.00
25	**Kitchen Hand Wash Sink**	**S**	**First**			**1.60**
26	Kitchen Hand Wash Sink	S	Flush			<1.00
27	1st Floor Hallway (Left) Water Cooler	WF	First			<1.00
28	1st Floor Hallway (Left) Water Cooler	WF	Flush			<1.00
29	1st Floor Hallway Bottle Filler	HS	First			<1.00
30	1st Floor Hallway Bottle Filler	HS	Flush			<1.00
31	5th Floor Kitchenette Sink	S	First			<1.00
32	5th Floor Kitchenette Sink	S	Flush			<1.00
Southwest Building						
33	1st Floor Hallway Water Cooler	WF	First	ASTM D3559-08D Via AAS-GF	10ppb (parts per billion)	<1.00
34	1st Floor Hallway Water Cooler	WF	Flush			<1.00
35	1st Floor Hallway Bottle Filler	HS	First			<1.00
36	1st Floor Hallway Bottle Filler	HS	Flush			<1.00
37	Lower-Level Hallway Outside Men's Restroom Water Cooler	WF	First			<1.00
38	Lower-Level Hallway Outside Men's Restroom Water Cooler	WF	Flush			<1.00
39	2nd Floor Hallway Water Cooler	WF	First			<1.00
40	2nd Floor Hallway Water Cooler	WF	Flush			<1.00
41	2nd Floor Hallway Bottle Filler	HS	First			<1.00
42	2nd Floor Hallway Bottle Filler	HS	Flush			<1.00
43	3rd Floor Hallway Water Cooler	WF	First			<1.00
44	3rd Floor Hallway Water Cooler	WF	Flush			<1.00
45	3rd Floor Hallway Bottle Filler	HS	First			<1.00
46	3rd Floor Hallway Bottle Filler	HS	Flush			<1.00
Lower-Level Hallway Outside Men's Restroom Bottle Filler		Outlet was out of service at the time of the Sampling Event.				

WF = Water Fountain **S** = Sink Outlet **HS** = Hydration Station/Bottle Filler **ICP – MS =** Inductively coupled plasma mass spectrometry
Results reported in **RED** are at or above the Action Level and should be **taken out of service immediately**.
Results reported in **BOLD** are below the Action Level but not void of lead content and should be flushed daily.

IV. Summary of Results

A. Outlets with Reported lead levels at or Above the Action Level

The outlet that had lead concentrations at or above the City of Philadelphia Action Level for school buildings:

- **Sample 21 – Kitchen Sink adjacent Café Door**

The above outlet is required to be taken out of service until corrective actions have been taken and re-testing shows the lead concentration to be less than 10 ug/L. The following corrective actions are recommended.

1. Post signs at each water outlet in the rooms where elevated samples were reported in the table above. The sign shall indicate that each outlet in the rooms/areas are "not for drinking". In addition, **Synertech also recommends posting such signs at each water outlet throughout the building that are not intended for drinking (i.e., bathroom sinks, hand wash sinks, art room sinks and science room sinks)**.

2. Consult a licensed and insured plumbing contractor to determine the source of the elevated sample results. Potential sources of lead contamination are as follows:

   ii. Water service lines;
   iii. Lead soldered joints and fittings;
   iv. Lead faucets/fixtures.

B. Outlets not sampled and outlets with reported lead levels below the Action Level

Since there is no "safe" level of lead in drinking water, *Synertech Environmental* recommends flushing of drinking water or water outlets used for cooking where the concentrations of lead were reported at any concentration (**any result >1.0 ppb in the table above but less than 10ppb**) to be flushed for at least 30 seconds prior to drinking or using the water for cooking. The more time water has been sitting in the pipes, the more lead it is likely to contain. Anytime the water in a particular faucet has not been used for six hours or longer, "flush" your cold-water pipes by running the water until it becomes as cold as it will get.

- Sample 5: 1st Floor Hallway Outside Cafeteria Water Cool
- Sample 19: Kitchen Sink (Right)
- Sample 21: Kitchen Sink adjacent Café Door
- Sample 22: Kitchen Sink adjacent Café Door
- Sample 25: Kitchen Hand Wash Sink

Synertech Environmental, LLC is pleased to have had the opportunity to provide Universal Companies with our professional environmental services. If you have any questions or would like to discuss this matter further, please do not hesitate to call at 215-755-2305.

Prepared by:
Synertech Environmental, LLC

Eric Belfi
Industrial Hygiene Technician, Managing Partner

Attachment #1

Laboratory Certificates of Analysis
&
Chain of Custody Forms

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 4/25/2024
Report No.: 698827 - Lead Water
Project: Universal Charter School: Institute
Project No.: 704-003-04

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7748447 **Client No.:**01	**Location:**First Floor Hall Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748448 **Client No.:**02	**Location:**First Floor Hall Water Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748449 **Client No.:**03	**Location:**First Floor Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748450 **Client No.:**04	**Location:**First Floor Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748451 **Client No.:**05	**Location:**1st FL Outside Café H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748452 **Client No.:**06	**Location:**1st FL Outside Café H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748453 **Client No.:**07	**Location:**1st FL Outside Café Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748454 **Client No.:**08	**Location:**1st FL Outside Café Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748455 **Client No.:**09	**Location:**2nd FL Hall Next To Women's Restroom H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/12/2024
Date Analyzed: 04/25/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 4/25/2024
Report No.: 698827 - Lead Water
Project: Universal Charter School: Institute
Project No.: 704-003-04

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7748456 **Client No.:**10	**Location:**2nd FL Hall Next To Women's Restroom H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748457 **Client No.:**11	**Location:**2nd FL Hall Next To Women's Restroom Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748458 **Client No.:**12	**Location:**2nd FL Hall Next To Women's Restroom Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748459 **Client No.:**13	**Location:**2nd FL Hall Near Multi Purpose Rm H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748460 **Client No.:**14	**Location:**2nd FL Hall Near Multi Purpose Rm H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748461 **Client No.:**15	**Location:**2nd FL Hall Near Multi Purpose Rm Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748462 **Client No.:**16	**Location:**2nd FL Hall Near Multi Purpose Rm Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748463 **Client No.:**17	**Location:**Kitchen Sink Left * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/12/2024
Date Analyzed: 04/25/2024
Signature:
Analyst: Chad Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 4/25/2024
Report No.: 698827 - Lead Water
Project: Universal Charter School: Institute
Project No.: 704-003-04

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7748464 **Client No.:**18	**Location:**Kitchen Sink Left * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748465 **Client No.:**19	**Location:**Kitchen Sink Right * Sample acidified to pH <2.	**Result(ppb):**1.30
Lab No.:7748466 **Client No.:**20	**Location:**Kitchen Sink Right * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748467 **Client No.:**21	**Location:**Kitchen Sink Adjacent Café Door * Sample acidified to pH <2.	**Result(ppb):**24.0
Lab No.:7748468 **Client No.:**22	**Location:**Kitchen Sink Adjacent Café Door * Sample acidified to pH <2.	**Result(ppb):**1.50
Lab No.:7748469 **Client No.:**23	**Location:**Kitchen Island Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748470 **Client No.:**24	**Location:**Kitchen Island Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748471 **Client No.:**25	**Location:**Kitchen Hand Wash Sink * Sample acidified to pH <2.	**Result(ppb):**1.60
Lab No.:7748472 **Client No.:**26	**Location:**Kitchen Hand Wash Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748473 **Client No.:**27	**Location:**1st FL Hall Water Cooler (Left) * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/12/2024
Date Analyzed: 04/25/2024
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 4/25/2024
Report No.: 698827 - Lead Water
Project: Universal Charter School: Institute
Project No.: 704-003-04

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7748474 **Client No.:**28	**Location:**1st FL Hall Water Cooler (Left) * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748475 **Client No.:**29	**Location:**1st FL Hall Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748476 **Client No.:**30	**Location:**1st FL Hall Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748477 **Client No.:**31	**Location:**5th FL Kitchenette Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748478 **Client No.:**32	**Location:**5th FL Kitchenette Sink * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748479 **Client No.:**33	**Location:**1st FL Hall H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748480 **Client No.:**34	**Location:**1st FL Hall H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748481 **Client No.:**35	**Location:**1st FL Hall Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748482 **Client No.:**36	**Location:**1st FL Hall Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748483 **Client No.:**37	**Location:**Lower Level Hall Outside Men's Room Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/12/2024
Date Analyzed: 04/25/2024
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Client: SYN177

Report Date: 4/25/2024
Report No.: 698827 - Lead Water
Project: Universal Charter School: Institute
Project No.: 704-003-04

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.:7748484 **Client No.:**38	**Location:**Lower Level Hall Outside Men's Room Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748485 **Client No.:**39	**Location:**2nd FL Hall H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748486 **Client No.:**40	**Location:**2nd FL Hall H2O Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748487 **Client No.:**41	**Location:**2nd FL Hall H2O Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748488 **Client No.:**42	**Location:**2nd FL Hall H2O Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748489 **Client No.:**43	**Location:**3rd FL Hall H20 Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748490 **Client No.:**44	**Location:**3rd FL Hall H20 Cooler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748491 **Client No.:**45	**Location:**3rd FL Hall H2O Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00
Lab No.:7748492 **Client No.:**46	**Location:**3rd FL Hall H2O Bottle Filler * Sample acidified to pH <2.	**Result(ppb):**<1.00

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

Date Received: 4/12/2024
Date Analyzed: 04/25/2024
Signature: Chad Shaffer
Analyst: Chad Shaffer

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client:	Synertech Environmental LLC	Report Date:	4/25/2024
	228 Moore Street	Report No.:	698827 - Lead Water
	Philadelphia PA 19148	Project:	Universal Charter School: Institute
		Project No.:	704-003-04
Client:	SYN177		

Appendix to Analytical Report:

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

This appendix seeks to promote greater understanding of any observations, exceptions, special instructions, or circumstances that the laboratory needs to communicate to the client concerning the above samples. The information below is used to help promote your ability to make the most informed decisions for you and your customers. Please note the following points of contact for any questions you may have.

iATL Customer Service: customerservice@iatl.com
iATL OfficeManager: ?wchampion@iatl.com
iATL Account Representative: Shirley Clark
Sample Login Notes: See Batch Sheet Attached
Sample Matrix: Water
Exceptions Noted: See Following Pages

General Terms, Warrants, Limits, Qualifiers:

General information about iATL capabilities and client/laboratory relationships and responsibilities are spelled out in iATL policies that are listed at www.iATL.com and ir our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

iATL warrants the test results to be of a precision normal for the type and methodology employed for each sample submitted. iATL disclaims any other warrants, expressed or implied, including warranty of fitness for a particular purpose and warranty of merchantability. iATL accepts no legal responsibility for the purpose for which the client uses test results. Any analytical work performed must be governed by our Standard Terms and Conditions. Prices, methods and detection limits may be changed without notification. Please contact your Customer Service Representative for the most current information.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA LAP LLC, or any agency of local, state or province governments nor of any agency of the U.S. government.

Information Pertinent to this Report:

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

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

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

- USEPA 40CFR 141.11B
- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample
- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

Regulatory limit for lead in drinking water is 15.0 parts per billion as cited in EPA 40 CFR 141.11 National Primary Drinking Water Regulations, Subpart B: Maximum contaminant levels for inorganic chemicals.

All results are based on the samples as received at the lab. iATL assumes that appropriate sampling methods have been used and that the data upon which these results are based have been accurately supplied by the client.

Sample results are not corrected for contamination by field or analytical blanks.

PPB = Parts per billion. 1 µg/L = 1 ppb MDL = 0.24 PPB Reporting Limit (RL) = 1.0 PPB

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

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

CERTIFICATE OF ANALYSIS

Client:	Synertech Environmental LLC	Report Date:	4/25/2024
	228 Moore Street	Report No.:	698827 - Lead Water
	Philadelphia PA 19148	Project:	Universal Charter School: Institute
		Project No.:	704-003-04
Client:	SYN177		

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.

SYNERTECH
ENVIRONMENTAL LLC

228 Moore Street
Philadelphia, PA 19148
Phone 215-755-2305
Fax 215-755-2405
www.gosynertech.com

Chain of Custody Transmittal
Potable Drinking Water Samples
via US EPA 200.9 Pb

Project Name: Universal Charter School: Institute

Project No: 704-003-04

State Sampled: Pennsylvania

RECEIVED

Laboratory: IATL

Analysis Type: Lead in Drinking Water by EPA 200.9

TAT: 2 Week TAT

Samples Collected By: [signature] APR 12 2024 Date/Time 04/1/24

Transmitted to Lab By: Date/Time

Received in Lab By: Date/Time

Samples Analyzed By: Courtney Kay IATL - By Date/Time

SAMPLE #	LOCATION	REMARKS
01	First Floor Hall Water Cooler	7748447
02	" " " " "	7748448
03	First Floor Bottle Filler	7748449
04	" " " "	7748450
05	1st Fl. Outside Cafe H2O Cooler	7748451
06	" " " " "	7748452
07	1st Fl. Outside Cafe Bottle Filler	7748453
08	" " " " "	7748454
09	2nd Fl. Hall Next to Women's Restroom H2O Cooler	7748455
10	" " " " " ~~Bottle Filler~~ H2O Cooler	7748456
11	2nd Fl Hall Next to Women's Room Bottle Filler	7748457
12	" " " " " " "	7748458
13	2nd Fl. Hall near Multi Purpose Rm H2O Cooler	7748459
14	" " " " " " "	7748460
15	2nd Fl. Hall Next to Multi Purpose Room Bottle Filler	7748461
16	" " " " " " "	7748462
17	Kitchen Sink Left	7748463
18	" " "	7748464
19	Kitchen Sink Right	7748465
20	" " "	7748466
21	Kitchen Sink Adjacent Cafe Door	7748467
22	" " " " "	7748468

SYNERTECH
ENVIRONMENTAL LLC

228 Moore Street
Philadelphia, PA 19148
Phone 215-755-2305
Fax 215-755-2405
www.gosynertech.com

Chain of Custody Transmittal
Potable Drinking Water Samples
via US EPA 200.9 Pb

Project Name: Universal Charter School: Institute

Project No: 704-003-04

State Sampled: Pennsylvania

Laboratory: IATL

Analysis Type: Lead in Drinking Water by EPA 200.9

TAT: 2 Week TAT

Samples Collected By: [signature]

Date/Time 04.11.24

Transmitted to Lab By:

Date/Time

Received in Lab By:

Date/Time

Samples Analyzed By:

Date/Time

SAMPLE #	LOCATION	REMARKS
23	Kitchen Island Sink	7748468
24	" " "	7748470
25	Kitchen Hand Wash Sink	7748471
26	" " " "	7748472
27	1st Fl Hall Water Cooler (Left)	7748473
28	" " " " "	7748474
29	1st fl. H_2O Cooler Right	7748475
30	" " " " "	7748476
31	5th Fl Kitchenette Sink	7748477
32	" " "	7748478
33	1st fl. Hall H_2O Cooler	7748479
34	" " " " "	7748480
35	1st fl Hall Bottle Filler	7748481
36	" " " " "	7748482
37	Lower Level Hall Outside News Room Cooler	7748483
38	" " " " " " "	7748484
39	2nd Fl. Hall H_2O Cooler	7748485
40	" " " "	7748486
41	2nd Fl Hall H_2O Bottle Filler	7748487
42	" " " " "	7748488
43	3rd fl. Hall H_2O Cooler	7748489
44	" " " "	7748490

SYNERTECH
ENVIRONMENTAL LLC

228 Moore Street
Philadelphia, PA 19148
Phone 215-755-2305
Fax 215-755-2405
www.gosynertech.com

Chain of Custody Transmittal
Potable Drinking Water Samples
via US EPA 200.9 Pb

Project Name: Universal Charter School: Institute

Project No: 704-003-04

State Sampled: Pennsylvania

Laboratory: IATL

Analysis Type: Lead in Drinking Water by EPA 200.9

TAT: 2 Week TAT

Samples Collected By: [signature]

Date/Time 04.11.24

Transmitted to Lab By:

Date/Time

Received in Lab By:

Date/Time

Samples Analyzed By:

Date/Time

SAMPLE #	LOCATION	REMARKS
45	3rd Fl. Hall H2O Bottle Filler	7748491
46	" " " " "	7748492

[signature] by 8?? 4/16/24 @ 12pm