

- ✧ “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), 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-lead’ 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. All samples reported to be below the Action Level of 10 parts per billion and are listed in the table below. Samples were only collected from operational units.

Lead in Drinking Water						
Sample #	Location	Outlet Type	Draw	Sampling Method	CoP Action Level (AL)	Results (ppb)
01	Kitchen - Left Sink (Wash)	Sink	First	ASTM D3559-08D Via AAS-GF	10ppb (parts per billion)	<1.00
02	Kitchen - Left Sink (Wash)	Sink	Flush			<1.00
03	Kitchen - Right Sink (Rinse)	Sink	First			<1.00
04	Kitchen - Right Sink (Rinse)	Sink	Flush			<1.00
05	Drinking Fountain O/S Boy's Restroom	WF	First			<1.00
06	Drinking Fountain O/S Boy's Restroom	WF	Flush			<1.00
07	Drinking Fountain O/S Room 104	WF	First			<1.00
08	Drinking Fountain O/S Room 104	WF	Flush			<1.00
09	Drinking Fountain O/S Room 207	WF	First			<1.00
10	Drinking Fountain O/S Room 207	WF	Flush			<1.00
11	Bottle Filler O/S Room 207	HS	First			<1.00
12	Bottle Filler O/S Room 207	HS	Flush			<1.00
13	Drinking Fountain O/S Room 204	WF	First			<1.00
14	Drinking Fountain O/S Room 204	WF	Flush			<1.00
15	Drinking Fountain O/S Room 307	WF	First			<1.00
16	Drinking Fountain O/S Room 307	WF	Flush			<1.00

Lead in Drinking Water (Continued)								
Sample #	Location	Outlet Type	Draw	Sampling Method	CoP Action Level (AL)	Results (ppb)		
17	Bottle Filler O/S Room 307	HS	First	ASTM D3559-08D Via AAS-GF	10ppb (parts per billion)	<1.00		
18	Bottle Filler O/S Room 307	HS	Flush			<1.00		
19	Drinking Fountain O/S Room 304	WF	First			<1.00		
20	Drinking Fountain O/S Room 304	WF	Flush			<1.00		
21	Bottle Filler O/S Room 304	HS	First			<1.00		
22	Bottle Filler O/S Room 304	HS	Flush			<1.00		
23	Kitchen Sink – Left	Sink	First			<1.00		
24	Kitchen Sink – Left	Sink	Flush			<1.00		
25	Kitchen Sink – Right	Sink	First			<1.00		
26	Kitchen Sink – Right	Sink	Flush			1.00		
27	Classroom 401 Drinking Fountain	WF	First			<1.00		
28	Classroom 401 Drinking Fountain	WF	Flush			<1.00		
29	Classroom 401 Sink	Sink	First			3.00		
30	Classroom 401 Sink	Sink	Flush			2.30		
31	Classroom 402 Drinking Fountain	WF	First			<1.00		
32	Classroom 402 Drinking Fountain	WF	Flush			<1.00		
33	Classroom 402 Sink	Sink	First			<1.00		
34	Classroom 402 Sink	Sink	Flush			<1.00		
35	Classroom 403 Drinking Fountain	WF	First			<1.00		
36	Classroom 403 Drinking Fountain	WF	Flush			<1.00		
37	Classroom 403 Sink	Sink	First			<1.00		
38	Classroom 403 Sink	Sink	Flush			<1.00		
39	Drinking Fountain O/S Restrooms (Left)	WF	First			<1.00		
40	Drinking Fountain O/S Restrooms (Left)	WF	Flush			<1.00		
41	Bottle Filler O/S Restrooms (Left)	HS	First			<1.00		
42	Bottle Filler O/S Restrooms (Left)	HS	Flush			<1.00		
43	Drinking Fountain O/S Restrooms (Right)	WF	First			<1.00		
44	Drinking Fountain O/S Restrooms (Right)	WF	Flush			<1.00		
45	Bottle Filler O/S Restrooms (Right)	HS	First			<1.00		
46	Bottle Filler O/S Restrooms (Right)	HS	Flush			<1.00		
47	Classroom 405 Drinking Fountain	WF	First			<1.00		
48	Classroom 405 Drinking Fountain	WF	Flush			<1.00		
49	Classroom 405 Sink	Sink	First			1.40		
50	Classroom 405 Sink	Sink	Flush			1.40		
51	Classroom 408 Drinking Fountain	WF	First			<1.00		
52	Classroom 408 Drinking Fountain	WF	Flush			<1.00		
53	Classroom 408 Sink	Sink	First			1.70		
54	Classroom 408 Sink	Sink	Flush			<1.00		
55	Classroom 409 Drinking Fountain	WF	First			<1.00		
56	Classroom 409 Drinking Fountain	WF	Flush			<1.00		
57	Classroom 409 Sink	Sink	First			<1.00		
58	Classroom 409 Sink	Sink	Flush			<1.00		
59	Classroom 411 Drinking Fountain	WF	First			<1.00		
60	Classroom 411 Drinking Fountain	WF	Flush			<1.00		
61	Classroom 411 Sink	Sink	First			1.70		
62	Classroom 411 Sink	Sink	Flush			<1.00		
63	Classroom 410 Dinking Fountain	WF	First			<1.00		
64	Classroom 410 Drinking Fountain	WF	Flush			<1.00		
65	Classroom 410 Sink	Sink	First			1.90		
66	Classroom 410 Sink	Sink	Flush			<1.00		
Bottle Filler O/S Boy's Restroom – Out of service at time of sampling event.								
Bottle Filler O/S Room 104 – Out of service at time of 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


The laboratory data indicates that **all the results are below the Action Level of 10 ppb and no further action is required.** However, since there is no “safe” level of lead in drinking water, Synertech Environmental recommends flushing of drinking water outlets in which lead was reported to be present at concentrations below 10ppb. The outlets where low concentrations of lead were reported include:

- Sample 26: Kitchen Sink – Right Side
- Sample 29: Classroom 401 Sink
- Sample 30: Classroom 401 Sink
- Sample 49: Classroom 405 Sink
- Sample 50: Classroom 405 Sink
- Sample 53: Classroom 408 Sink
- Sample 61: Classroom 411 Sink
- Sample 65: Classroom 410 Sink

The water at these locations should be flushed for at least 30 seconds prior to drinking. 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.

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**

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Report Date: 4/25/2024
Report No.: 698973 - Lead Water
Project: Universal Charter School: Creighton
Project No.: 704-003-03

Client: SYN177

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749453 Location: Kitchen Left Sink (Wash) Result(ppb): <1.00
Client No.: 01 * Sample acidified to pH <2.

Lab No.: 7749454 Location: Kitchen Left Sink (Wash) Result(ppb): <1.00
Client No.: 02 * Sample acidified to pH <2.

Lab No.: 7749455 Location: Kitchen Right Sink (Rinse) Result(ppb): <1.00
Client No.: 03 * Sample acidified to pH <2.

Lab No.: 7749456 Location: Kitchen Right Sink (Rinse) Result(ppb): <1.00
Client No.: 04 * Sample acidified to pH <2.

Lab No.: 7749457 Location: Drinking Fountain O/S Boy's Restroom Result(ppb): <1.00
Client No.: 05 * Sample acidified to pH <2.

Lab No.: 7749458 Location: Drinking Fountain O/S Boy's Restroom Result(ppb): <1.00
Client No.: 06 * Sample acidified to pH <2.


Lab No.: 7749459 Location: Drinking Fountain O/S Room 104 Result(ppb): <1.00
Client No.: 07 * Sample acidified to pH <2.


Lab No.: 7749460 Location: Drinking Fountain O/S Room 104 Result(ppb): <1.00
Client No.: 08 * Sample acidified to pH <2.

Lab No.: 7749461 Location: Drinking Fountain O/S Room 207 Result(ppb): <1.00
Client No.: 09 * Sample acidified to pH <2.

Lab No.: 7749462 Location: Drinking Fountain O/S Room 207 Result(ppb): <1.00
Client No.: 10 * Sample acidified to pH <2.

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

Date Received: 4/16/2024
Date Analyzed: 04/25/2024
Signature: 
Analyst: Chad Shaffer

Approved By: 
Frank E. Ehrenfeld, III
Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Report Date: 4/25/2024
Report No.: 698973 - Lead Water
Project: Universal Charter School: Creighton
Project No.: 704-003-03

Client: SYN177

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749463 Location: Bottle Filler O/S Room 207 Result(ppb): <1.00
Client No.: 11 * Sample acidified to pH <2.

Lab No.: 7749464 Location: Bottle Filler O/S Room 207 Result(ppb): <1.00
Client No.: 12 * Sample acidified to pH <2.

Lab No.: 7749465 Location: Drinking Fountain O/S Room 204 Result(ppb): <1.00
Client No.: 13 * Sample acidified to pH <2.

Lab No.: 7749466 Location: Drinking Fountain O/S Room 204 Result(ppb): <1.00
Client No.: 14 * Sample acidified to pH <2.

Lab No.: 7749467 Location: Drinking Fountain O/S Room 307 Result(ppb): <1.00
Client No.: 15 * Sample acidified to pH <2.

Lab No.: 7749468 Location: Drinking Fountain O/S Room 307 Result(ppb): <1.00
Client No.: 16 * Sample acidified to pH <2.


Lab No.: 7749469 Location: Bottle Filler O/S Room 307 Result(ppb): <1.00
Client No.: 17 * Sample acidified to pH <2.


Lab No.: 7749470 Location: Bottle Filler O/S Room 307 Result(ppb): <1.00
Client No.: 18 * Sample acidified to pH <2.

Lab No.: 7749471 Location: Drinking Fountain O/S Room 304 Result(ppb): <1.00
Client No.: 19 * Sample acidified to pH <2.

Lab No.: 7749472 Location: Drinking Fountain O/S Room 304 Result(ppb): <1.00
Client No.: 20 * Sample acidified to pH <2.

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Project: Universal Charter School: Creighton
Project No.: 704-003-03

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749473 Location: Bottle Filler O/S Room 304 Result(ppb): <1.00
Client No.: 21 * Sample acidified to pH <2.

Lab No.: 7749474 Location: Bottle Filler O/S Room 304 Result(ppb): <1.00
Client No.: 22 * Sample acidified to pH <2.

Lab No.: 7749475 Location: Kitchen Sink (Left) Result(ppb): <1.00
Client No.: 23 * Sample acidified to pH <2.

Lab No.: 7749476 Location: Kitchen Sink (Left) Result(ppb): <1.00
Client No.: 24 * Sample acidified to pH <2.

Lab No.: 7749477 Location: Kitchen Sink (Right) Result(ppb): <1.00
Client No.: 25 * Sample acidified to pH <2.

Lab No.: 7749478 Location: Kitchen Sink (Right) Result(ppb): 1.00
Client No.: 26 * Sample acidified to pH <2.


Lab No.: 7749479 Location: Classroom 401 Drinking Fountain Result(ppb): <1.00
Client No.: 27 * Sample acidified to pH <2.


Lab No.: 7749480 Location: Classroom 401 Drinking Fountain Result(ppb): <1.00
Client No.: 28 * Sample acidified to pH <2.

Lab No.: 7749481 Location: Classroom 401 Sink Result(ppb): 3.00
Client No.: 29 * Sample acidified to pH <2.

Lab No.: 7749482 Location: Classroom 401 Sink Result(ppb): 2.30
Client No.: 30 * Sample acidified to pH <2.

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

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749483 Location: Classroom 402 Drinking Fountain Result(ppb): <1.00
Client No.: 31 * Sample acidified to pH <2.

Lab No.: 7749484 Location: Classroom 402 Drinking Fountain Result(ppb): <1.00
Client No.: 32 * Sample acidified to pH <2.

Lab No.: 7749485 Location: Classroom 402 Sink Result(ppb): <1.00
Client No.: 33 * Sample acidified to pH <2.

Lab No.: 7749486 Location: Classroom 402 Sink Result(ppb): <1.00
Client No.: 34 * Sample acidified to pH <2.

Lab No.: 7749487 Location: Classroom 403 Drinking Fountain Result(ppb): <1.00
Client No.: 35 * Sample acidified to pH <2.

Lab No.: 7749488 Location: Classroom 403 Drinking Fountain Result(ppb): <1.00
Client No.: 36 * Sample acidified to pH <2.


Lab No.: 7749489 Location: Classroom 403 Sink Result(ppb): <1.00
Client No.: 37 * Sample acidified to pH <2.

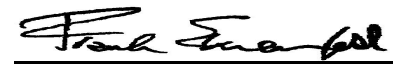
Lab No.: 7749490 Location: Classroom 403 Sink Result(ppb): <1.00
Client No.: 38 * Sample acidified to pH <2.

Lab No.: 7749491 Location: Drinking Fountain O/S Restroom (Left) Result(ppb): <1.00
Client No.: 39 * Sample acidified to pH <2.

Lab No.: 7749492 Location: Drinking Fountain O/S Restroom (Left) Result(ppb): <1.00
Client No.: 40 * Sample acidified to pH <2.

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LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749493 Location: Bottle Filler O/S Restroom (Left) Result(ppb): <1.00
Client No.: 41 * Sample acidified to pH <2.

Lab No.: 7749494 Location: Bottle Filler O/S Restroom (Left) Result(ppb): <1.00
Client No.: 42 * Sample acidified to pH <2.

Lab No.: 7749495 Location: Drinking Fountain O/S Restroom (Right) Result(ppb): <1.00
Client No.: 43 * Sample acidified to pH <2.

Lab No.: 7749496 Location: Drinking Fountain O/S Restroom (Right) Result(ppb): <1.00
Client No.: 44 * Sample acidified to pH <2.

Lab No.: 7749497 Location: Bottle Filler O/S Restroom (Right) Result(ppb): <1.00
Client No.: 45 * Sample acidified to pH <2.

Lab No.: 7749498 Location: Bottle Filler O/S Restroom (Right) Result(ppb): <1.00
Client No.: 46 * Sample acidified to pH <2.


Lab No.: 7749499 Location: Classroom 405 Drinking Fountain Result(ppb): <1.00
Client No.: 47 * Sample acidified to pH <2.


Lab No.: 7749500 Location: Classroom 405 Drinking Fountain Result(ppb): <1.00
Client No.: 48 * Sample acidified to pH <2.

Lab No.: 7749501 Location: Classroom 405 Sink Result(ppb): 1.40
Client No.: 49 * Sample acidified to pH <2.

Lab No.: 7749502 Location: Classroom 405 Sink Result(ppb): 1.40
Client No.: 50 * Sample acidified to pH <2.

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Client: SYN177

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749503 Location: Classroom 408 Drinking Fountain Result(ppb): <1.00
Client No.: 51 * Sample acidified to pH <2.

Lab No.: 7749504 Location: Classroom 408 Drinking Fountain Result(ppb): <1.00
Client No.: 52 * Sample acidified to pH <2.

Lab No.: 7749505 Location: Classroom 408 Sink Result(ppb): 1.70
Client No.: 53 * Sample acidified to pH <2.

Lab No.: 7749506 Location: Classroom 408 Sink Result(ppb): <1.00
Client No.: 54 * Sample acidified to pH <2.

Lab No.: 7749507 Location: Classroom 409 Drinking Fountain Result(ppb): <1.00
Client No.: 55 * Sample acidified to pH <2.

Lab No.: 7749508 Location: Classroom 409 Drinking Fountain Result(ppb): <1.00
Client No.: 56 * Sample acidified to pH <2.


Lab No.: 7749509 Location: Classroom 409 Sink Result(ppb): <1.00
Client No.: 57 * Sample acidified to pH <2.


Lab No.: 7749510 Location: Classroom 409 Sink Result(ppb): <1.00
Client No.: 58 * Sample acidified to pH <2.

Lab No.: 7749511 Location: Classroom 411 Drinking Fountain Result(ppb): <1.00
Client No.: 59 * Sample acidified to pH <2.

Lab No.: 7749512 Location: Classroom 411 Drinking Fountain Result(ppb): <1.00
Client No.: 60 * Sample acidified to pH <2.

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

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CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
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Project No.: 704-003-03

Client: SYN177

LEAD WATER SAMPLE ANALYSIS SUMMARY

Lab No.: 7749513 Location: Classroom 411 Sink Result(ppb): 1.70
Client No.: 61 * Sample acidified to pH <2.

Lab No.: 7749514 Location: Classroom 411 Sink Result(ppb): <1.00
Client No.: 62 * Sample acidified to pH <2.


Lab No.: 7749515 Location: Classroom 410 Drinking Fountain Result(ppb): <1.00
Client No.: 63 * Sample acidified to pH <2.


Lab No.: 7749516 Location: Classroom 410 Drinking Fountain Result(ppb): <1.00
Client No.: 64 * Sample acidified to pH <2.

Lab No.: 7749517 Location: Classroom 410 Sink Result(ppb): 1.90
Client No.: 65 * Sample acidified to pH <2.

Lab No.: 7749518 Location: Classroom 410 Sink Result(ppb): <1.00
Client No.: 66 * Sample acidified to pH <2.

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CERTIFICATE OF ANALYSIS

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Report Date: 4/25/2024
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Project: Universal Charter School: Creighton
Project No.: 704-003-03

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 Office Manager: ?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 in our Quality Assurance Manual per ISO 17025 standard requirements. The information therein is a representation of iATL definitions and policies for turnaround times, sample submittal, collection media, blank definitions, quantification issues and limit of detection, analytical methods and procedures, sub-contracting policies, results reporting options, fees, terms, and discounts, confidentiality, sample archival and disposal, and data interpretation.

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

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

This report shall not be reproduced except in full, without written approval of the laboratory.

Information Pertinent to this Report:

Analysis by AAS Graphite Furnace:

- ASTM D3559-15D

Certification:

- NYS-DOH No. 11021

- NJDEP No. 03863

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

- USEPA 40CFR 141.11B

- USEPA 200.9 Pb, AAS-GF, RL <2 ppb/sample

- USEPA SW 846-7421 - Pb(AAS-GF, RL <2 ppb/sample)

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

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

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

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

CERTIFICATE OF ANALYSIS

Client: Synertech Environmental LLC
228 Moore Street
Philadelphia PA 19148

Report Date: 4/25/2024
Report No.: 698973 - Lead Water
Project: Universal Charter School: Creighton
Project No.: 704-003-03

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.



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

Project Name: Universal Charter School: Creighton

Project No: 704-003-03

State Sampled: Pennsylvania

Laboratory: IATL

Analysis Type: Lead in Drinking Water by EPA 200.9

TAT: 2 Week TAT

Samples Collected By: _____

Date/Time _____

Transmitted to Lab By: _____

Date/Time _____

Received in Lab By: _____

Date/Time _____

Samples Analyzed By: _____

Date/Time _____

SAMPLE #	LOCATION	REMARKS
45	Bottle Filler o/s Restroom (Right)	First 7749497
46	Bottle Filler o/s Restroom (Right)	Flush 7749498
47	Classroom 405 Drinking Fountain	First 7749499
48	Classroom 405 Drinking Fountain	Flush 7749500
49	Classroom 405 Sink	First 7749501
50	Classroom 405 Sink	Flush 7749502
51	Classroom 408 Drinking Fountain	First 7749503
52	Classroom 408 Drinking Fountain	Flush 7749504
53	Classroom 408 Sink	First 7749505
54	Classroom 408 Sink	Flush 7749506
55	Classroom 409 Drinking Fountain	First 7749507
56	Classroom 409 Drinking Fountain	Flush 7749508
57	Classroom 409 Sink	First 7749509
58	Classroom 409 Sink	Flush 7749510
59	Classroom 411 Drinking Fountain	First 7749511
60	Classroom 411 Drinking Fountain	Flush 7749512
61	Classroom 411 Sink	First 7749513
62	Classroom 411 Sink	Flush 7749514
63	Classroom 410 Drinking Fountain	First 7749515
64	Classroom 410 Drinking Fountain	Flush 7749516
65	Classroom 410 Sink	First 7749517
66	Classroom 410 Sink	Flush 7749518

Anal on 4/18/24 1045

