May 23, 2024

Steve Aldrich
Director of Facilities and Grounds
Liberty School District
801 Kent Street
Liberty, Missouri 64068

Project: Limited Lead in Drinking Water Testing
Address: 1900 Clay Drive, Liberty, Missouri 64068

Mr. Steve Aldrich

On March 21-22, and April 30, 2024, Bradly Young of Axiom Service Professionals (ASP), conducted lead in drinking water sampling at the above referenced address. Inspector certification is provided in Appendix A. A total of 114 samples were collected from various potential drinking water outlets including sources used for drinking, cooking, or cleaning of cooking and eating utensils throughout the building.

Drinking Water Standards

The use of lead solder and other lead-containing materials as defined in the EPA Safe Drinking Water Act in connecting household plumbing to public water supplies was prohibited as of 1986. The act established the definition of “lead free” to be less than 8% as a weighted average across wetted surfaces of a pipe, pipe fitting, plumbing fitting, and fixture and 0.2% lead for solder and flux. In 2011, the definition of “lead free” as it applied to wetted surfaces of a pipe, pipe fitting, and plumbing fitting and fixture was reduced from 8% to 0.25% as a weighted average. Many older structures still have lead pipe or lead-soldered plumbing internally, which may substantially increase the lead content of water at the tap. Nationwide regulations controlling the lead content of drinking-water coolers in schools went into effect in 1989.

In 1991, the EPA published the Lead and Copper Rule establishing limits on the amount of lead and copper in drinking water. This regulation can be found under 40 CFR Part 141, Subpart I. Reference: https://www.epa.gov/dwreginfo/lead-and-copper-rule

The EPA has set lead in drinking water standards as outlined below.

- For lead, the maximum contaminant level goal (MCLG) is zero. This is the levels determined to be safe by toxicological and biomedical considerations, independent of feasibility. EPA's National Primary Drinking Water Regulations for Lead establish a treatment level of **0.015 mg/L** or **15 ppb** (parts per billion) in municipal drinking water systems.

The Missouri Senate Bill 681 “Get the Lead Out of School Drinking Water Act”, passed in 2022, has set the standard summarized below.
Reference: https://www.senate.mo.gov/22info/BTS_Web/Bill.aspx?SessionType=R&BillID=71259862

- On or before January 1, 2024, each school shall conduct an inventory of all drinking water outlets and all outlets that are used for dispensing water for cooking or for cleaning cooking and eating utensils in each of the school’s buildings. A plan for testing should then be developed, prioritizing early childhood education programs and elementary schools, and made available to the public.
- The bill outlines that beginning in the 2023-2024 school year and for each subsequent school year, each school shall provide drinking water with a lead concentration below five parts per billion (**5 ppb**). Any school with greater than or equal to 5 ppb shall provide results and remediation plans to parents and staff within 7 business days of receiving results.

Drinking Fountain Identification

Drinking fountains throughout the school were visually assessed to determine if they matched those listed by the EPA to be lead-containing. The list of drinking fountains reported by the EPA to contain lead-lined holding tanks or solder joints is presented as Appendix B. Below is a list of drinking fountains within the school that match those reported by the EPA to be lead-containing.

Location	Make	Model #	Serial #
None Matching			

Water Sampling Methods:

Water samples were collected from each selected location as “first draw” and/or “flush”. First draw samples typically represent worst case sample results. A flush sample is typically collected to determine if an elevation is originating beyond the fixture in the fixture supply line or beyond. Samples were deposited into a non-preserved 250-milliliter sterile Nalgene screw top bottle. Immediately following sample collection, the samples were delivered to Keystone Laboratories located at 8857 Long Street, Lenexa, Kansas 66215. Upon arrival at the laboratory, samples were preserved through addition of nitric acid.

Keystone Laboratories is accredited through the Missouri Department of Natural Resources for analysis of lead in water.

Below is a summary of the water sampling results as reported in Appendix C by Keystone Laboratories. Results exceeding the applicable drinking water standards are shown in red text.

March 21 and 22, 2024 Water Sampling Results:

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-1-FD	Alexander Doniphan - 001122-Office Restroom	Sink Tap	First Draw	1
1900-2-FD	Alexander Doniphan - 001123-Nurse's Office	Sink Tap	First Draw	17.3
1900-3-FD	Alexander Doniphan - 001124-Nurse's Office	Sink Tap	First Draw	2.1
1900-4-FD	Alexander Doniphan - 001125-Restroom by Lounge	Sink Tap	First Draw	<0.4
1900-5-FD	Alexander Doniphan - 001126-Lounge	Sink Tap	First Draw	0.6
1900-6-FD	Alexander Doniphan - 001127-Lounge	Fridge-Water	First Draw	<0.4
1900-7-FD	Alexander Doniphan - 002537-Lounge	Ice Machine	First Draw	<0.4

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-8-FD	Alexander Doniphan - 001128-Room 100	Sink Tap	First Draw	5.1
1900-9-FD	Alexander Doniphan - 001129-Room 102	Sink Tap	First Draw	9.1
1900-10-FD	Alexander Doniphan - 001130-By 102-Girls Restroom	Sink Tap	First Draw	2.5
1900-11-FD	Alexander Doniphan - 001131-By 102-Girls Restroom	Sink Tap	First Draw	2.1
1900-12-FD	Alexander Doniphan - 001132-By 102-Girls Restroom	Sink Tap	First Draw	4
1900-13-FD	Alexander Doniphan - 001133-By 102-Girls Restroom	Drinking Fountain	First Draw	2.4
1900-14-FD	Alexander Doniphan - 001134B-By 102-Boys Restroom	Drinking Fountain	First Draw	0.6
1900-15-FD	Alexander Doniphan - 001134F-By 102-Boys Restroom	Bottle Filler	First Draw	1.2
1900-16-FD	Alexander Doniphan - 001135-By 102-Boys Restroom	Sink Tap	First Draw	1.3
1900-17-FD	Alexander Doniphan - 001136-By 102-Boys Restroom	Sink Tap	First Draw	2.6
1900-18-FD	Alexander Doniphan - 001137-By 102-Boys Restroom	Sink Tap	First Draw	1.2
1900-19-FD	Alexander Doniphan - 001138F-Room 105	Sink Tap	First Draw	8.9
1900-20-FD	Alexander Doniphan - 001139F-Room 106	Sink Tap	First Draw	6.1
1900-21-FD	Alexander Doniphan - 001140F-Room 108	Sink Tap	First Draw	2.8
1900-22-FD	Alexander Doniphan - 001141F-Room 107	Sink Tap	First Draw	10.1
1900-23-FD	Alexander Doniphan - 001143-Library Data Closet	Sink Tap	First Draw	13.5
1900-24-FD	Alexander Doniphan - 002551-Library	Sink Tap	First Draw	3.7
1900-25-FD	Alexander Doniphan - 001210-Across from 305-Far Right	Sink Tap	First Draw	<0.4
1900-26-FD	Alexander Doniphan - 002255-By 305-Second from Right	Sink Tap	First Draw	<0.4
1900-27-FD	Alexander Doniphan - 001208-Across from 305	Drinking Fountain	First Draw	<0.4
1900-28-FD	Alexander Doniphan - 001208F-Across from 305	Bottle Filler	First Draw	<0.4
1900-29-FD	Alexander Doniphan - 001207-Between Restrooms-Left	Drinking Fountain	First Draw	<0.4
1900-30-FD	Alexander Doniphan - 002257-By 305-Third from Right	Sink Tap	First Draw	<0.4
1900-31-FD	Alexander Doniphan - 001205-Across from 305-Far Left	Sink Tap	First Draw	<0.4
1900-32-FD	Alexander Doniphan - 001291-Across from 305-Accessible Restroom	Sink Tap	First Draw	<0.4

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-33-FD	Alexander Doniphan - 001293-Room 305-South Wall	Sink Tap	First Draw	0.6
1900-34-FD	Alexander Doniphan - 001294-Room 305-South Wall	Bubbler	First Draw	<0.4
1900-35-FD	Alexander Doniphan - 001295-Room 307-South Wall	Sink Tap	First Draw	0.7
1900-36-FD	Alexander Doniphan - 001296-Room 307-South Wall	Bubbler	First Draw	<0.4
1900-37-FD	Alexander Doniphan - 001297-Room 306-North Wall	Sink Tap	First Draw	1.1
1900-38-FD	Alexander Doniphan - 001298-Room 306-North Wall	Bubbler	First Draw	<0.4
1900-39-FD	Alexander Doniphan - 001299-Room 308	Sink Tap	First Draw	9.8
1900-40-FD	Alexander Doniphan - 001300-Room 308	Bubbler	First Draw	<0.4
1900-41-FD	Alexander Doniphan - 001305-Room 310	Sink Tap	First Draw	5.4
1900-42-FD	Alexander Doniphan - 001305B-Room 310	Bubbler	First Draw	<0.4
1900-43-FD	Alexander Doniphan - 001307-Room 312	Sink Tap	First Draw	3.9
1900-44-FD	Alexander Doniphan - 001308-Room 312	Bubbler	First Draw	<0.4
1900-45-FD	Alexander Doniphan - 001309-Room 313	Sink Tap	First Draw	3.8
1900-46-FD	Alexander Doniphan - 001310-Room 313	Bubbler	First Draw	<0.4
1900-47-FD	Alexander Doniphan - 001303-Room 311	Sink Tap	First Draw	2.2
1900-48-FD	Alexander Doniphan - 001304-Room 311	Bubbler	First Draw	<0.4
1900-49-FD	Alexander Doniphan - 001301F-Room 309	Sink Tap	First Draw	3.7
1900-50-FD	Alexander Doniphan - 001302-Room 309	Bubbler	First Draw	<0.4
1900-51-FD	Alexander Doniphan - 001196-Room 401	Sink Tap	First Draw	0.4
1900-52-FD	Alexander Doniphan - 001197-Room 401-West Wall	Bubbler	First Draw	<0.4
1900-53-FD	Alexander Doniphan - 001194-Room 401	Sink Tap	First Draw	<0.4
1900-54-FD	Alexander Doniphan - 001198-Room 401	Bubbler	First Draw	<0.4
1900-55-FD	Alexander Doniphan - 002553-Room 401-Restroom	Sink Tap	First Draw	<0.4
1900-56-FD	Alexander Doniphan - 002554-Room 403-Restroom	Sink Tap	First Draw	1.4
1900-57-FD	Alexander Doniphan - 001191-Room 403-West Wall	Sink Tap	First Draw	0.5
1900-58-FD	Alexander Doniphan - 001199-Room 403-West Wall	Bubbler	First Draw	0.4

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-59-FD	Alexander Doniphan - 001192-Room 403-South Wall	Sink Tap	First Draw	8.6
1900-60-FD	Alexander Doniphan - 001200-Room 403-South Wall	Bubbler	First Draw	<0.4
1900-63-FD	Alexander Doniphan - 001189-Room 404	Sink Tap	First Draw	9.1
1900-64-FD	Alexander Doniphan - 001202-Room 404-South Wall	Bubbler	First Draw	<0.4
1900-65-FD	Alexander Doniphan - 001190-Room 404-Restroom	Sink Tap	First Draw	3
1900-66-FD	Alexander Doniphan - 001185-Room 402	Sink Tap	First Draw	<0.4
1900-67-FD	Alexander Doniphan - 001203-Room 402-East Wall	Bubbler	First Draw	<0.4
1900-68-FD	Alexander Doniphan - 001186F-Room 402	Sink Tap	First Draw	3.4
1900-69-FD	Alexander Doniphan - 001204-Room 402-North Wall	Bubbler	First Draw	<0.4
1900-70-FD	Alexander Doniphan - 002552-Room 402-Restroom	Sink Tap	First Draw	1.7
1900-71-FD	Alexander Doniphan - 001144-Room 111	Sink Tap	First Draw	12.5
1900-72-FD	Alexander Doniphan - 002540-By 111	Drinking Fountain	First Draw	2.7
1900-73-FD	Alexander Doniphan - 001174-By 204-Girls-Left	Sink Tap	First Draw	4.5
1900-74-FD	Alexander Doniphan - 001175-By 204-Girls-Right	Sink Tap	First Draw	8
1900-75-FD	Alexander Doniphan - 002561-By 204-Boys-Left	Sink Tap	First Draw	12.6
1900-76-FD	Alexander Doniphan - 002560-By 204-Boys-Right	Sink Tap	First Draw	13.2
1900-77-FD	Alexander Doniphan - 001177-By 204-Left	Drinking Fountain	First Draw	1.5
1900-78-FD	Alexander Doniphan - 001178-By 204-Right	Drinking Fountain	First Draw	1
1900-79-FD	Alexander Doniphan - 001179-Room 204	Sink Tap	First Draw	26.5
1900-80-FD	Alexander Doniphan - 001180F-Room 206	Sink Tap	First Draw	24
1900-81-FD	Alexander Doniphan - 001181F-Room 208	Sink Tap	First Draw	47
1900-82-FD	Alexander Doniphan - 001182F-Room 210	Sink Tap	First Draw	36.3
1900-83-FD	Alexander Doniphan - 001183F-Room 211	Sink Tap	First Draw	19.9
1900-84-FD	Alexander Doniphan - 001184F-Room 209	Sink Tap	First Draw	10.9
1900-85-FD	Alexander Doniphan - 001170F-Room 202	Sink Tap	First Draw	6.9
1900-86-FD	Alexander Doniphan - 001171F-Room 202	Sink Tap	First Draw	39.6

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-87-FD	Alexander Doniphan - 001164-Gym-Boys Restroom	Sink Tap	First Draw	<0.4
1900-88-FD	Alexander Doniphan - 001165-Gym-Boys-Right	Sink Tap	First Draw	<0.4
1900-89-FD	Alexander Doniphan - 001166-Gym-Boys Restroom	Drinking Fountain	First Draw	<0.4
1900-90-FD	Alexander Doniphan - 001167-Gym-Outside Girls	Drinking Fountain	First Draw	<0.4
1900-91-FD	Alexander Doniphan - 001167-Gym	Bottle Filler	First Draw	<0.4
1900-92-FD	Alexander Doniphan - 002558-Outside Gym-Girls-Right	Sink Tap	First Draw	<0.4
1900-93-FD	Alexander Doniphan - 002559-Outside Gym-Girls-Left	Sink Tap	First Draw	<0.4
1900-94-FD	Alexander Doniphan - 001157-Room 203	Sink Tap	First Draw	0.4
1900-95-FD	Alexander Doniphan - 001158-Room 203	Sink Tap	First Draw	0.5
1900-96-FD	Alexander Doniphan - 001159-Room 203	Sink Tap	First Draw	<0.4
1900-97-FD	Alexander Doniphan - 001160-Room 203	Sink Tap	First Draw	0.4
1900-98-FD	Alexander Doniphan - 001161-Room 203	Sink Tap	First Draw	0.7
1900-99-FD	Alexander Doniphan - 001151-Kitchen	Sink Tap	First Draw	2.8
1900-100-FD	Alexander Doniphan - 001152-Kitchen	Ice Machine	First Draw	0.5
1900-101-FD	Alexander Doniphan - 001153-Kitchen-Handwashing by Ice Machine	Sink Tap	First Draw	2.1
1900-102-FD	Alexander Doniphan - 001154-Kitchen	Pot Filler	First Draw	4.7
1900-103-FD	Alexander Doniphan - 001156-Kitchen-Dish Room	Sink Tap	First Draw	0.8
1900-104-FD	Alexander Doniphan - 004518-Kitchen	Sink Tap	First Draw	0.4
1900-105-FD	Alexander Doniphan - 004519-Kitchen	Sink Tap	First Draw	0.8
1900-106-FD	Alexander Doniphan - 004521/1155-Kitchen	Sink Tap	First Draw	0.9
1900-107-FD	Alexander Doniphan - 004522-Kitchen	Sink Tap	First Draw	1.5
1900-108-FD	Alexander Doniphan - 002538-Room 115-Restroom	Sink Tap	First Draw	0.8
1900-109-FD	Alexander Doniphan - 001146F-Room 115	Sink Tap	First Draw	0.4
1900-110-FD	Alexander Doniphan - 001146B-Room 115	Bubbler	First Draw	2.4
1900-111-FD	Alexander Doniphan - 001147F-Room 113	Sink Tap	First Draw	0.4

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-112-FD	Alexander Doniphan - 001147B-Room 113	Bubbler	First Draw	<0.4
1900-113-FD	Alexander Doniphan - 002539-Room 113-Restroom	Sink Tap	First Draw	0.6
1900-114-FD	Alexander Doniphan - 002536-Outside Office	Drinking Fountain	First Draw	1.8

April 30, 2024 Water Sampling Results:

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
1900-61-FD	Alexander Doniphan - 001188-Room 404	Sink Tap	First Draw	0.8
1900-62-FD	Alexander Doniphan - 001201-Room 404	Bubbler	First Draw	1.1

Photos of the sampling locations are provided in Appendix D. A diagram containing identifiers on the outlets tested is provided in Appendix E.

Short-Term Control Measures

- Per the State of Missouri Senate Bills Nos. 681 & 662, a remediation plan should be developed and executed.
- Take immediate steps to prevent use from the failed source(s).
- Shut-off problem outlets
- Post “Not for Drinking/Cooking” at Problem Outlets. If initial sample results from an outlet(s) exceed the remediation trigger level, but are not routinely used for human ingestion (e.g., handwashing), clear signage can be posted to notify people that the outlet is not to be used for drinking or cooking until the problem is resolved.
- Consider performing follow-up flush testing in order to attempt to identify what component within the system is the source of the elevated lead concentration. This testing will assist to pinpoint where lead is getting into drinking water (i.e., fixtures versus interior plumbing) so that appropriate corrective measures can be taken.
- Shut-off or disconnection of problem outlets can provide a permanent solution. If the outlet is frequently used, this likely is not a practical long-term solution.
- Provide point-of-use (POU) filters at problem taps. Filters need routine maintenance (e.g., cartridge filter units need to be replaced periodically) to remain effective.

Permanent Control Measures

- Per the State of Missouri Senate Bills Nos. 681 & 662, a remediation plan should be developed and executed.
- Replacement of Problem Outlets and any identified upstream plumbing components (e.g., valves, leaded solder) to permanently address the problem. EPA's revised March 2015 guidance, How to Identify Lead-Free Certification Marks for Drinking Water System & Plumbing Products, can be a useful resource selecting leadfree plumbing.
- Provide point-of-use filters (POU) at problem taps as a long-term or permanent control measure. When doing this, facilities should be sure to create maintenance schedules and identify a point of contact to be in charge of making sure they are properly maintained.
- Reconfigure Plumbing. Ongoing renovation of school or childcare buildings may provide an opportunity to modify the plumbing system to redirect water supplied for drinking or cooking to bypass sources of lead contamination. Before undertaking such an alternative, be certain that you have properly identified all of the sources of lead contamination in drinking water.
- Remove and replace any drinking water coolers or drinking water outlets that the United States Environmental Protection Agency has determined are not lead-free under the federal Lead Contamination Control Act of 1988, as amended; except the school shall not be required to replace those drinking water outlets or water coolers that tested in accordance with state regulations and have been determined to be dispensing drinking water with a lead concentration less than five (5) part per billion (ppb); however, such drinking water outlet or water cooler shall be subject to all testing requirements and shall not be excluded from testing under subsection 10 of the Missouri Senate Bills Nos. 681 & 662, Section 160.077.
- Consider filtration of incoming water at the point of entry (POE) to the building.

Required Communication

- Contact staff and parents via written notification within seven (7) business days after receiving the test result.
- The notification shall include at least:
- The test results and a summary that explains such results;
- A description of any remedial steps taken; and
- A description of general health effects of lead contamination and community specific resources; and
- Provide bottled water if there is not enough water to meet the drinking water needs of the students, teachers, and staff.
- Submit such annual testing results to the Missouri Department of Health and Senior Services (DHSS).
- Before August 1, 2024, or the first day on which students will be present in the building, whichever is later, and annually thereafter, each school shall conduct testing for lead by first-draw and follow-up flush samples of a random sampling of at least twenty-five percent (25%) of remediated drinking water outlets until all remediated sources have been tested as recommended by the 2018 version of the United States Environmental Protection Agency's "Training, Testing, and Taking Action" program. The testing shall be conducted and the results analyzed for both types of tests by an entity or entities approved by the department.
- Any measures taken to remediate any elevated lead levels identified must be recorded and documented.

General Recommendations

- Retesting of all potential cooking and drinking water sources is required five (5) years from previous testing completed.
- If the condition changes or significant alterations to existing plumbing is undertaken, consider performing additional lead in drinking water sampling.
- Ensure that the plumbing system is not used as an electrical ground.
- If equipment is added that could affect water pH, alkalinity, or hardness, consider performing lead in drinking water sampling.

Any work resulting from this report should be conducted in accordance with the EPA Safe Drinking Water Act, Missouri SB 681 & 662, HUD Lead Regulations 24 CFR 35, EPA Lead Regulations 40 CFR 745, and Consumer Product Safety Commission document #5056.

If you have any questions concerning this report, please contact me at 816-678-7894.

Sincerely,



Jeff Hurst
Axiom Service Professionals LLC
jeffh@axiomservicepros.com

Limitations Drinking Water Testing

The presence or absence of lead and copper (if collected) in drinking water applies only to the test locations on the date of the field visit and it should be understood that conditions may change due to deterioration, pH, alkalinity, hardness, use levels, or maintenance. The results noted within this report were accurate at the time of the evaluation and in no way reflect the conditions at the property before or after the date of the evaluation. No other environmental concerns or conditions were addressed during this evaluation.

Appendix A
Certifications

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Bradly A. Young

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Inspector
Category of License

Issuance Date:	**10/4/2023**
Expiration Date:	**10/4/2025**
License Number:	**211004-300006201**

Paula F. Nickelson
Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

STATE OF MISSOURI
DEPARTMENT OF HEALTH AND SENIOR SERVICES

LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

Jeffrey A. Hurst

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

Lead Risk Assessor
Category of License

Issuance Date: **8/1/2022**
Expiration Date: **8/1/2024**
License Number: **000801-200166567**



Paula F. Nickelson
Acting Director
t of Health and Senior Services

son City, MO 65102

Appendix B
EPA Listed Lead Containing Drinking Fountains

Table C-1
Water Coolers With Other Lead Components

EBCO Manufacturing

- All pressure bubbler water coolers with shipping dates from 1962 through 1977 have a bubbler valve containing lead. The units contain a single, 50-50 tin-lead solder joint on the bubbler valve. Model numbers for coolers in this category are not available.

- The following models of pressure bubbler coolers produced from 1978 through 1981 contain one 50-50 tin-lead solder joint each.

CP3	DP15W	DPM8	7P	13P	DPM8H	DP15M	DP3R	DP8A
DP16M	DP5S	C10E	PX-10	DP7S	DP13SM	DP7M	DP7MH	DP7WD
WTC10	DP13M-60	DP14M	CP10-50	CP5	CP5M	DP15MW	DP3R	DP14S
DP20-50	DP7SM	DP10X	DP13A	DP13A-50	EP10F	DP5M	DP10F	CP3H
CP3-50	DP13M	DP3RH	DP5F	CP3M	EP5F	13PL	DP8AH	DP13S
CP10	DP20	DP12N	DP7WM	DP14A-50/60				

Halsey Taylor

- Lead solder was used in these models of water coolers manufactured between 1978 and the last week of 1987:

WMA-1	SCWT/SCWT-A	SWA-1	DC/DHC-1
S3/5/10D	BFC-4F/7F/4FS/7FS	S300/500/100D	

- The following coolers manufactured for Haws Drinking Faucet Company (Haws) by Halsey Taylor from November 1984 through December 18, 1987 are not lead-free because they contain 2 tin-lead solder joints. The model designations for these units are as follows:

HC8WT	HC14F	HC6W	HWC7D	HC8WTH	HC14FH	HC8W	HC2F	HC14WT
HC14FL	HC14W	HC2FH	HC14WTH	HC8FL	HC4F	HC5F	HC14WL	HCBF7D
HC4FH	HC10F	HC16WT	HCBF7HO	HC8F	HC8FH	HC4W	HWC7	

Table C-2
Halsey Taylor Water Coolers With Lead-Lined Tanks

- The following six model numbers have one or more units in the model series with lead-lined tanks:

WM8A WT8A GC10ACR GC10A GC5A RWM13A

- The following models and serial numbers contain lead-lined tanks:

WM14A Serial No. 843034	WM14A Serial No. 843006	WT11A Serial No. 222650
WT21A Serial No. 64309550	WT21A Serial No. 64309542	LL14A Serial No. 64346908

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Appendix C
Laboratory Analytical Report

MICROBAC®

Microbac Laboratories, Inc., Lenexa

CERTIFICATE OF ANALYSIS

3HC0113

AXIOM Service Professionals

Jeff Hurst
PO Box 47166
Kansas City, MO 64188

Project Name: 1900 Clay Drive

Project / PO Number: 1900 Clay Drive
Received: 03/22/2024
Reported: 04/05/2024

Analytical Testing Parameters

Client Sample ID: 1900-1-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-01
Collected By: Bradley Young
Collection Date: 03/21/2024 23:35

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.0**	0.4	ppb	2		04/01/24 1612	04/02/24 2254	JAR

Client Sample ID: 1900-2-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-02
Collected By: Bradley Young
Collection Date: 03/21/2024 23:35

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**17.3**	0.4	ppb	2		04/01/24 1612	04/02/24 2257	JAR

Client Sample ID: 1900-3-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-03
Collected By: Bradley Young
Collection Date: 03/21/2024 23:35

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.1**	0.4	ppb	2		04/01/24 1612	04/02/24 2300	JAR

Client Sample ID: 1900-4-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-04
Collected By: Bradley Young
Collection Date: 03/21/2024 23:36

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/02/24 2303	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-5-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-05
Collected By: Bradley Young
Collection Date: 03/21/2024 23:36

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.6**	0.4	ppb	2		04/01/24 1612	04/02/24 2306	JAR

Client Sample ID: 1900-6-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-06
Collected By: Bradley Young
Collection Date: 03/21/2024 23:36

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/02/24 2315	JAR

Client Sample ID: 1900-7-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-07
Collected By: Bradley Young
Collection Date: 03/21/2024 23:37

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/02/24 2318	JAR

Client Sample ID: 1900-8-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-08
Collected By: Bradley Young
Collection Date: 03/21/2024 23:37

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**5.1**	0.4	ppb	2		04/01/24 1612	04/02/24 2321	JAR

Client Sample ID: 1900-9-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-09
Collected By: Bradley Young
Collection Date: 03/21/2024 23:37

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**9.1**	0.4	ppb	2		04/01/24 1612	04/02/24 2324	JAR

Client Sample ID: 1900-10-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-10
Collected By: Bradley Young
Collection Date: 03/21/2024 23:38

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.5**	0.4	ppb	2		04/01/24 1612	04/02/24 2327	JAR

Client Sample ID: 1900-11-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-11
Collected By: Bradley Young
Collection Date: 03/21/2024 23:38

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.1**	0.4	ppb	2		04/01/24 1612	04/02/24 2330	JAR

Client Sample ID: 1900-12-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-12
Collected By: Bradley Young
Collection Date: 03/21/2024 23:38

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**4.0**	0.4	ppb	2		04/01/24 1612	04/02/24 2333	JAR

Client Sample ID: 1900-13-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-13
Collected By: Bradley Young
Collection Date: 03/21/2024 23:38

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.4**	0.4	ppb	2		04/01/24 1612	04/02/24 2336	JAR

Client Sample ID: 1900-14-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-14
Collected By: Bradley Young
Collection Date: 03/21/2024 23:39

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.6**	0.4	ppb	2		04/01/24 1612	04/02/24 2339	JAR

Client Sample ID: 1900-15-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-15
Collected By: Bradley Young
Collection Date: 03/21/2024 23:39

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.2**	0.4	ppb	2		04/01/24 1612	04/02/24 2342	JAR

Client Sample ID: 1900-16-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-16
Collected By: Bradley Young
Collection Date: 03/21/2024 23:39

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.3**	0.4	ppb	2		04/01/24 1612	04/02/24 2357	JAR

Client Sample ID: 1900-17-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-17
Collected By: Bradley Young
Collection Date: 03/21/2024 23:39

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.6**	0.4	ppb	2		04/01/24 1612	04/03/24 0006	JAR

Client Sample ID: 1900-18-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-18
Collected By: Bradley Young
Collection Date: 03/21/2024 23:40

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.2**	0.4	ppb	2		04/01/24 1612	04/03/24 0009	JAR

Client Sample ID: 1900-19-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-19
Collected By: Bradley Young
Collection Date: 03/21/2024 23:40

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**8.9**	0.4	ppb	2		04/01/24 1612	04/03/24 0012	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-20-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-20
Collected By: Bradley Young
Collection Date: 03/21/2024 23:40

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**6.1**	0.4	ppb	2		04/01/24 1612	04/03/24 0015	JAR

Client Sample ID: 1900-21-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-21
Collected By: Bradley Young
Collection Date: 03/21/2024 23:40

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.8**	0.4	ppb	2		04/01/24 1612	04/03/24 0018	JAR

Client Sample ID: 1900-22-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-22
Collected By: Bradley Young
Collection Date: 03/21/2024 23:42

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**10.1**	0.4	ppb	2		04/01/24 1612	04/03/24 0027	JAR

Client Sample ID: 1900-23-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-23
Collected By: Bradley Young
Collection Date: 03/21/2024 23:42

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**13.5**	0.4	ppb	2		04/01/24 1612	04/03/24 0030	JAR

Client Sample ID: 1900-24-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-24
Collected By: Bradley Young
Collection Date: 03/21/2024 23:42

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**3.7**	0.4	ppb	2		04/01/24 1612	04/03/24 0033	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-25-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-25
Collected By: Bradley Young
Collection Date: 03/21/2024 23:43

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0036	JAR

Client Sample ID: 1900-26-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-26
Collected By: Bradley Young
Collection Date: 03/21/2024 23:43

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0039	JAR

Client Sample ID: 1900-27-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-27
Collected By: Bradley Young
Collection Date: 03/21/2024 23:43

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0042	JAR

Client Sample ID: 1900-28-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-28
Collected By: Bradley Young
Collection Date: 03/21/2024 23:43

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0044	JAR

Client Sample ID: 1900-29-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-29
Collected By: Bradley Young
Collection Date: 03/21/2024 23:44

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0047	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-30-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-30
Collected By: Bradley Young
Collection Date: 03/21/2024 23:44

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0050	JAR

Client Sample ID: 1900-31-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-31
Collected By: Bradley Young
Collection Date: 03/21/2024 23:44

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0053	JAR

Client Sample ID: 1900-32-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-32
Collected By: Bradley Young
Collection Date: 03/21/2024 23:45

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0102	JAR

Client Sample ID: 1900-33-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-33
Collected By: Bradley Young
Collection Date: 03/21/2024 23:45

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.6**	0.4	ppb	2		04/01/24 1612	04/03/24 0105	JAR

Client Sample ID: 1900-34-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-34
Collected By: Bradley Young
Collection Date: 03/21/2024 23:45

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0108	JAR

Client Sample ID: 1900-35-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-35
Collected By: Bradley Young
Collection Date: 03/21/2024 23:46

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.7**	0.4	ppb	2		04/01/24 1612	04/03/24 0111	JAR

Client Sample ID: 1900-36-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-36
Collected By: Bradley Young
Collection Date: 03/21/2024 23:46

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0120	JAR

Client Sample ID: 1900-37-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-37
Collected By: Bradley Young
Collection Date: 03/21/2024 23:46

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.1**	0.4	ppb	2		04/01/24 1612	04/03/24 0129	JAR

Client Sample ID: 1900-38-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-38
Collected By: Bradley Young
Collection Date: 03/21/2024 23:46

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0138	JAR

Client Sample ID: 1900-39-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-39
Collected By: Bradley Young
Collection Date: 03/21/2024 23:47

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**9.8**	0.4	ppb	2		04/01/24 1612	04/03/24 0141	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-40-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-40
Collected By: Bradley Young
Collection Date: 03/21/2024 23:47

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0144	JAR

Client Sample ID: 1900-41-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-41
Collected By: Bradley Young
Collection Date: 03/21/2024 23:47

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**5.4**	0.4	ppb	2		04/01/24 1612	04/03/24 0147	JAR

Client Sample ID: 1900-42-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-42
Collected By: Bradley Young
Collection Date: 03/21/2024 23:47

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0150	JAR

Client Sample ID: 1900-43-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-43
Collected By: Bradley Young
Collection Date: 03/21/2024 23:48

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**3.9**	0.4	ppb	2		04/01/24 1612	04/03/24 0153	JAR

Client Sample ID: 1900-44-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-44
Collected By: Bradley Young
Collection Date: 03/21/2024 23:48

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0156	JAR

Client Sample ID: 1900-45-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-45
Collected By: Bradley Young
Collection Date: 03/21/2024 23:48

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**3.8**	0.4	ppb	2		04/01/24 1612	04/03/24 0159	JAR

Client Sample ID: 1900-46-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-46
Collected By: Bradley Young
Collection Date: 03/21/2024 23:48

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0202	JAR

Client Sample ID: 1900-47-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-47
Collected By: Bradley Young
Collection Date: 03/21/2024 23:49

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.2**	0.4	ppb	2		04/01/24 1612	04/03/24 0205	JAR

Client Sample ID: 1900-48-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-48
Collected By: Bradley Young
Collection Date: 03/21/2024 23:49

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0214	JAR

Client Sample ID: 1900-49-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-49
Collected By: Bradley Young
Collection Date: 03/21/2024 23:49

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**3.7**	0.4	ppb	2		04/01/24 1612	04/03/24 0217	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-50-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-50
Collected By: Bradley Young
Collection Date: 03/21/2024 23:50

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0220	JAR

Client Sample ID: 1900-51-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-51
Collected By: Bradley Young
Collection Date: 03/21/2024 23:52

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/01/24 1612	04/03/24 0223	JAR

Client Sample ID: 1900-52-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-52
Collected By: Bradley Young
Collection Date: 03/21/2024 23:52

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0226	JAR

Client Sample ID: 1900-53-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-53
Collected By: Bradley Young
Collection Date: 03/21/2024 23:52

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0229	JAR

Client Sample ID: 1900-54-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-54
Collected By: Bradley Young
Collection Date: 03/21/2024 23:53

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0232	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-55-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-55
Collected By: Bradley Young
Collection Date: 03/21/2024 23:53

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0235	JAR

Client Sample ID: 1900-56-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-56
Collected By: Bradley Young
Collection Date: 03/21/2024 23:53

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.4**	0.4	ppb	2		04/01/24 1612	04/03/24 0250	JAR

Client Sample ID: 1900-57-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-57
Collected By: Bradley Young
Collection Date: 03/21/2024 23:54

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.5**	0.4	ppb	2		04/01/24 1612	04/03/24 0259	JAR

Client Sample ID: 1900-58-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-58
Collected By: Bradley Young
Collection Date: 03/21/2024 23:54

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/01/24 1612	04/03/24 0302	JAR

Client Sample ID: 1900-59-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-59
Collected By: Bradley Young
Collection Date: 03/21/2024 23:55

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**8.6**	0.4	ppb	2		04/01/24 1612	04/03/24 0305	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-60-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-60
Collected By: Bradley Young
Collection Date: 03/21/2024 23:55

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0308	JAR

Client Sample ID: 1900-63-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-61
Collected By: Bradley Young
Collection Date: 03/21/2024 23:57

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**9.1**	0.4	ppb	2		04/01/24 1612	04/03/24 0311	JAR

Client Sample ID: 1900-64-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-62
Collected By: Bradley Young
Collection Date: 03/21/2024 23:57

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0314	JAR

Client Sample ID: 1900-65-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-63
Collected By: Bradley Young
Collection Date: 03/21/2024 23:57

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**3.0**	0.4	ppb	2		04/01/24 1612	04/03/24 0317	JAR

Client Sample ID: 1900-66-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-64
Collected By: Bradley Young
Collection Date: 03/21/2024 23:57

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0326	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-67-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-65
Collected By: Bradley Young
Collection Date: 03/21/2024 23:58

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0329	JAR

Client Sample ID: 1900-68-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-66
Collected By: Bradley Young
Collection Date: 03/21/2024 23:58

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**3.4**	0.4	ppb	2		04/01/24 1612	04/03/24 0332	JAR

Client Sample ID: 1900-69-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-67
Collected By: Bradley Young
Collection Date: 03/21/2024 23:58

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0335	JAR

Client Sample ID: 1900-70-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-68
Collected By: Bradley Young
Collection Date: 03/21/2024 23:59

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.7**	0.4	ppb	2		04/01/24 1612	04/03/24 0338	JAR

Client Sample ID: 1900-71-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-69
Collected By: Bradley Young
Collection Date: 03/22/2024 0:01

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**12.5**	0.4	ppb	2		04/01/24 1612	04/03/24 0341	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-72-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-70
Collected By: Bradley Young
Collection Date: 03/22/2024 0:01

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.7**	0.4	ppb	2		04/01/24 1612	04/03/24 0344	JAR

Client Sample ID: 1900-73-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-71
Collected By: Bradley Young
Collection Date: 03/22/2024 0:02

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**4.5**	0.4	ppb	2		04/01/24 1612	04/03/24 0347	JAR

Client Sample ID: 1900-74-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-72
Collected By: Bradley Young
Collection Date: 03/22/2024 0:02

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**8.0**	0.4	ppb	2		04/01/24 1612	04/03/24 0350	JAR

Client Sample ID: 1900-75-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-73
Collected By: Bradley Young
Collection Date: 03/22/2024 0:03

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**12.6**	0.4	ppb	2		04/01/24 1612	04/03/24 0353	JAR

Client Sample ID: 1900-76-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-74
Collected By: Bradley Young
Collection Date: 03/22/2024 0:03

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**13.2**	0.4	ppb	2		04/01/24 1612	04/03/24 0402	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-77-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-75
Collected By: Bradley Young
Collection Date: 03/22/2024 0:03

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.5**	0.4	ppb	2		04/01/24 1612	04/03/24 0405	JAR

Client Sample ID: 1900-78-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-76
Collected By: Bradley Young
Collection Date: 03/22/2024 0:04

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.0**	0.4	ppb	2		04/01/24 1612	04/03/24 0414	JAR

Client Sample ID: 1900-79-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-77
Collected By: Bradley Young
Collection Date: 03/22/2024 0:04

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**26.5**	0.4	ppb	2		04/01/24 1612	04/03/24 0423	JAR

Client Sample ID: 1900-80-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-78
Collected By: Bradley Young
Collection Date: 03/22/2024 0:05

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**24.0**	0.4	ppb	2		04/01/24 1612	04/03/24 0426	JAR

Client Sample ID: 1900-81-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-79
Collected By: Bradley Young
Collection Date: 03/22/2024 0:05

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**47.0**	0.4	ppb	2		04/01/24 1612	04/03/24 0429	JAR

Client Sample ID: 1900-82-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-80
Collected By: Bradley Young
Collection Date: 03/22/2024 0:06

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**36.3**	0.4	ppb	2		04/01/24 1612	04/03/24 0438	JAR

Client Sample ID: 1900-83-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-81
Collected By: Bradley Young
Collection Date: 03/22/2024 0:06

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**19.9**	0.4	ppb	2		04/01/24 1612	04/03/24 0441	JAR

Client Sample ID: 1900-84-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-82
Collected By: Bradley Young
Collection Date: 03/22/2024 0:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**10.9**	0.4	ppb	2		04/01/24 1612	04/03/24 0444	JAR

Client Sample ID: 1900-85-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-83
Collected By: Bradley Young
Collection Date: 03/22/2024 0:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**6.9**	0.4	ppb	2		04/01/24 1612	04/03/24 0447	JAR

Client Sample ID: 1900-86-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-84
Collected By: Bradley Young
Collection Date: 03/22/2024 0:07

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**39.6**	0.4	ppb	2		04/01/24 1612	04/03/24 0450	JAR

Client Sample ID: 1900-87-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-85
Collected By: Bradley Young
Collection Date: 03/22/2024 0:09

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0453	JAR

Client Sample ID: 1900-88-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-86
Collected By: Bradley Young
Collection Date: 03/22/2024 0:09

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0456	JAR

Client Sample ID: 1900-89-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-87
Collected By: Bradley Young
Collection Date: 03/22/2024 0:10

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0459	JAR

Client Sample ID: 1900-90-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-88
Collected By: Bradley Young
Collection Date: 03/22/2024 0:10

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0502	JAR

Client Sample ID: 1900-91-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-89
Collected By: Bradley Young
Collection Date: 03/22/2024 0:10

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0506	JAR

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID: 1900-92-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-90
Collected By: Bradley Young
Collection Date: 03/22/2024 0:11

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/01/24 1612	04/03/24 0514	JAR

Client Sample ID: 1900-93-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-91
Collected By: Bradley Young
Collection Date: 03/22/2024 0:11

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/02/24 0845	04/03/24 1336	RVV

Client Sample ID: 1900-94-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-92
Collected By: Bradley Young
Collection Date: 03/22/2024 0:12

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/02/24 0845	04/03/24 1345	RVV

Client Sample ID: 1900-95-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-93
Collected By: Bradley Young
Collection Date: 03/22/2024 0:12

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.5**	0.4	ppb	2		04/02/24 0845	04/03/24 1348	RVV

Client Sample ID: 1900-96-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-94
Collected By: Bradley Young
Collection Date: 03/22/2024 0:12

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/02/24 0845	04/03/24 1351	RVV

Client Sample ID: 1900-97-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-95
Collected By: Bradley Young
Collection Date: 03/22/2024 0:13

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/02/24 0845	04/03/24 1400	RVV

Client Sample ID: 1900-98-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-96
Collected By: Bradley Young
Collection Date: 03/22/2024 0:13

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.7**	0.4	ppb	2		04/02/24 0845	04/03/24 1403	RVV

Client Sample ID: 1900-99-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-97
Collected By: Bradley Young
Collection Date: 03/22/2024 0:15

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.8**	0.4	ppb	2		04/02/24 0845	04/03/24 1406	RVV

Client Sample ID: 1900-100-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-98
Collected By: Bradley Young
Collection Date: 03/22/2024 0:15

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.5**	0.4	ppb	2		04/02/24 0845	04/03/24 1409	RVV

Client Sample ID: 1900-101-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-99
Collected By: Bradley Young
Collection Date: 03/22/2024 0:15

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.1**	0.4	ppb	2		04/02/24 0845	04/03/24 1412	RVV

Client Sample ID: 1900-102-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AA
Collected By: Bradley Young
Collection Date: 03/22/2024 0:16

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**4.7**	0.4	ppb	2		04/02/24 0845	04/03/24 1415	RVV

Client Sample ID: 1900-103-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AB
Collected By: Bradley Young
Collection Date: 03/22/2024 0:16

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.8**	0.4	ppb	2		04/02/24 0845	04/03/24 1418	RVV

Client Sample ID: 1900-104-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AC
Collected By: Bradley Young
Collection Date: 03/22/2024 0:17

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/02/24 0845	04/03/24 1421	RVV

Client Sample ID: 1900-105-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AD
Collected By: Bradley Young
Collection Date: 03/22/2024 0:17

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.8**	0.4	ppb	2		04/02/24 0845	04/03/24 1424	RVV

Client Sample ID: 1900-106-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AE
Collected By: Bradley Young
Collection Date: 03/22/2024 0:17

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.9**	0.4	ppb	2		04/02/24 0845	04/03/24 1427	RVV

Client Sample ID: 1900-107-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AF
Collected By: Bradley Young
Collection Date: 03/22/2024 0:18

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.5**	0.4	ppb	2		04/02/24 0845	04/03/24 1436	RVV

Client Sample ID: 1900-108-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AG
Collected By: Bradley Young
Collection Date: 03/22/2024 0:20

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.8**	0.4	ppb	2		04/02/24 0845	04/03/24 1439	RVV

Client Sample ID: 1900-109-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AH
Collected By: Bradley Young
Collection Date: 03/22/2024 0:20

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/02/24 0845	04/03/24 1442	RVV

Client Sample ID: 1900-110-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AI
Collected By: Bradley Young
Collection Date: 03/22/2024 0:20

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**2.4**	0.4	ppb	2		04/02/24 0845	04/03/24 1445	RVV

Client Sample ID: 1900-111-FD
Sample Matrix: Drink Wtr
Lab Sample ID: 3HC0113-AJ
Collected By: Bradley Young
Collection Date: 03/22/2024 0:21

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.4**	0.4	ppb	2		04/02/24 0845	04/03/24 1447	RVV

CERTIFICATE OF ANALYSIS

3HC0113

Client Sample ID:	1900-112-FD		
Sample Matrix:	Drink Wtr	**Collected By:**	Bradley Young
Lab Sample ID:	3HC0113-AK	**Collection Date:**	03/22/2024 0:21

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	<0.4	0.4	ppb	2		04/02/24 0845	04/03/24 1450	RVV

Client Sample ID:	1900-113-FD		
Sample Matrix:	Drink Wtr	**Collected By:**	Bradley Young
Lab Sample ID:	3HC0113-AL	**Collection Date:**	03/22/2024 0:22

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.6**	0.4	ppb	2		04/02/24 0845	04/03/24 1459	RVV

Client Sample ID:	1900-114-FD		
Sample Matrix:	Drink Wtr	**Collected By:**	Bradley Young
Lab Sample ID:	3HC0113-AM	**Collection Date:**	03/22/2024 0:22

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.8**	0.4	ppb	2		04/02/24 0845	04/03/24 1514	RVV

Definitions

RL: Reporting Limit

Report Comments

Reviewed and Approved By:

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

Victoria Bruck
Field Technician II
04/05/24 07:50

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PRINT OR TYPE INFO BELOW:		REPORT TO:		BILL TO:	
SAMPLER:	Brady Young	NAME:	Jeff Hurst	NAME:	Jeff Hurst
SITE NAME:		CO. NAME:		CO. NAME:	
ADDRESS:	1900 Clay Drive	ADRESS:	PO Box 47166	ADDRESS:	PO Box 47166
CITY/ST/ZIP:	Liberty, Missouri 64068	CITY/ST/ZIP:	Kansas City, Missouri 64188	CITY/ST/ZIP:	Kansas City, Missouri 64188
PHONE:	816-522-2275	PHONE:	816-678-7894	PHONE:	816-678-7894
		EMAIL:	jeffh@axiomservicepros.com	EMAIL:	jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-1-FD	3/21/2024	23:35	Alexander Doniphan - Sink Tap - 001122-Office Bathroom	1	Wt	Grab	X								01
1900-2-FD	3/21/2024	23:35	Alexander Doniphan - Sink Tap - 001123-Nurse Office	1	Wt	Grab	X								02
1900-3-FD	3/21/2024	23:35	Alexander Doniphan - Sink Tap - 001124-Nurse Office	1	Wt	Grab	X								03
1900-4-FD	3/21/2024	23:36	Alexander Doniphan - Sink Tap - 001125-Bathroom by Lounge	1	Wt	Grab	X								04
1900-5-FD	3/21/2024	23:36	Alexander Doniphan - Sink Tap - 001126-Lounge	1	Wt	Grab	X								05
1900-6-FD	3/21/2024	23:36	Alexander Doniphan - Fridge-Water - 001127-Lounge	1	Wt	Grab	X								06
1900-7-FD	3/21/2024	23:37	Alexander Doniphan - Ice Machine - 002537-Lounge	1	Wt	Grab	X								07

LAB USE ONLY: Wk Order #: 3HC0113; Short Hold:; Rush:; Temp: oC 18.9

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	Remarks:
	Time:			Time:	
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	
				3/22/24	
	Time:			Time:	
				10:30	

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AXIOM Service Professionals

PM: Carolyn Jackson

Keystone LABORATORIES
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___ 205 E Van Buren St, Centerville, IA 52544, Phone: 641-437-7023

PRINT OR TYPE INFO BELOW:		REPORT TO:		BILL TO:	
SAMPLER:		NAME:	Jeff Hurst	NAME:	Jeff Hurst
SITE NAME:		CO. NAME:		CO. NAME:	
ADDRESS:	1900 Clay Drive	ADRESS:	PO Box 47166	ADDRESS:	PO Box 47166
CITY/ST/ZIP:	Liberty, Missouri 64068	CITY/ST/ZIP:	Kansas City, Missouri 64188	CITY/ST/ZIP:	Kansas City, Missouri 64188
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		EMAIL:	jeffh@axiomservicepros.com	EMAIL:	jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
														Wk Order #:	
														Short Hold:	
														Rush:	
														Temp: oC	
1900-8-FD	3/21/2024	23:37	Alexander Doniphan - Sink Tap - 001128-Room 100	1	Wt	Grab	X								08
1900-9-FD	3/21/2024	23:37	Alexander Doniphan - Sink Tap - 001129-Room 102	1	Wt	Grab	X								09
1900-10-FD	3/21/2024	23:38	Alexander Doniphan - Sink Tap - 001130-By 102-Girls Bathroom	1	Wt	Grab	X								10
1900-11-FD	3/21/2024	23:38	Alexander Doniphan - Sink Tap - 001131-By 102-Girls Bathroom	1	Wt	Grab	X								11
1900-12-FD	3/21/2024	23:38	Alexander Doniphan - Sink Tap - 001132-By 102-Girls Bathroom	1	Wt	Grab	X								12
1900-13-FD	3/21/2024	23:38	Alexander Doniphan - Drinking Fountain - 001133-By 102-Girls Bathroom	1	Wt	Grab	X								13
1900-14-FD	3/21/2024	23:39	Alexander Doniphan - Drinking Fountain - 001134B-By 102-Boys Bathroom	1	Wt	Grab	X								14

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
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1900-15-FD	3/21/2024	23:39	Alexander Doniphan - Bottle Filler - 001134F-By 102-Boys Bathroom	1	Wt	Grab	X								15
1900-16-FD	3/21/2024	23:39	Alexander Doniphan - Sink Tap - 001135-By 102-Boys Bathroom	1	Wt	Grab	X								16
1900-17-FD	3/21/2024	23:39	Alexander Doniphan - Sink Tap - 001136-By 102-Boys Bathroom	1	Wt	Grab	X								17
1900-18-FD	3/21/2024	23:40	Alexander Doniphan - Sink Tap - 001137-By 102-Boys Bathroom	1	Wt	Grab	X								18
1900-19-FD	3/21/2024	23:40	Alexander Doniphan - Sink Tap - 001138F-Room 105	1	Wt	Grab	X								19
1900-20-FD	3/21/2024	23:40	Alexander Doniphan - Sink Tap - 001139F-Room 106	1	Wt	Grab	X								20
1900-21-FD	3/21/2024	23:40	Alexander Doniphan - Sink Tap - 001140F-Room 108	1	Wt	Grab	X								21

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

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	Time:			Time:	
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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-22-FD	3/21/2024	23:42	Alexander Doniphan - Sink Tap - 001141F-Room 107	1	Wt	Grab	X								22
1900-23-FD	3/21/2024	23:42	Alexander Doniphan - Sink Tap - 001143-Library Data Closet	1	Wt	Grab	X								23
1900-24-FD	3/21/2024	23:42	Alexander Doniphan - Sink Tap - 002551-Library	1	Wt	Grab	X								24
1900-25-FD	3/21/2024	23:43	Alexander Doniphan - Sink Tap - 001210-Across from 305-Far Right	1	Wt	Grab	X								25
1900-26-FD	3/21/2024	23:43	Alexander Doniphan - Sink Tap - 002255-By 305-Second from Right	1	Wt	Grab	X								26
1900-27-FD	3/21/2024	23:43	Alexander Doniphan - Drinking Fountain - 001208-Across from 305	1	Wt	Grab	X								27
1900-28-FD	3/21/2024	23:43	Alexander Doniphan - Bottle Filler - 001208F-Across from 305	1	Wt	Grab	X								28

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

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	Time:			Time:		
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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-29-FD	3/21/2024	23:44	Alexander Doniphan - Drinking Fountain - 001207-Between Bathrooms-Left	1	Wt	Grab	X								29
1900-30-FD	3/21/2024	23:44	Alexander Doniphan - Sink Tap - 002257-By 305-Third from Right	1	Wt	Grab	X								30
1900-31-FD	3/21/2024	23:44	Alexander Doniphan - Sink Tap - 001205-Across from 305-Far Left	1	Wt	Grab	X								31
1900-32-FD	3/21/2024	23:45	Alexander Doniphan - Sink Tap - 001291-Across from 305-Handicap Bathroom	1	Wt	Grab	X								32
1900-33-FD	3/21/2024	23:45	Alexander Doniphan - Sink Tap - 001293-Room 305-South Wall	1	Wt	Grab	X								33
1900-34-FD	3/21/2024	23:45	Alexander Doniphan - Bubbler - 001294-Room 305-South Wall	1	Wt	Grab	X								34
1900-35-FD	3/21/2024	23:46	Alexander Doniphan - Sink Tap - 001295-Room 307-South Wall	1	Wt	Grab	X								35

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-36-FD	3/21/2024	23:46	Alexander Doniphan - Bubbler - 001296-Room 307-South Wall	1	Wt	Grab	X								36
1900-37-FD	3/21/2024	23:46	Alexander Doniphan - Sink Tap - 001297-Room 306-North Wall	1	Wt	Grab	X								37
1900-38-FD	3/21/2024	23:46	Alexander Doniphan - Bubbler - 001298-Room 306-North Wall	1	Wt	Grab	X								38
1900-39-FD	3/21/2024	23:47	Alexander Doniphan - Sink Tap - 001299-Room 308	1	Wt	Grab	X								39
1900-40-FD	3/21/2024	23:47	Alexander Doniphan - Bubbler - 001300-Room 308	1	Wt	Grab	X								40
1900-41-FD	3/21/2024	23:47	Alexander Doniphan - Sink Tap - 001305-Room 310	1	Wt	Grab	X								41
1900-42-FD	3/21/2024	23:47	Alexander Doniphan - Bubbler - 001305B-Room 310	1	Wt	Grab	X								42

LAB USE ONLY: Wk Order #: ___ Short Hold: ___ Rush: ___ Temp: ___ oC

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		

3HC01113

AXIOM Service Professionals

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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-43-FD	3/21/2024	23:48	Alexander Doniphan - Sink Tap - 001307-Room 312	1	Wt	Grab	X								43
1900-44-FD	3/21/2024	23:48	Alexander Doniphan - Bubbler - 001308-Room 312	1	Wt	Grab	X								44
1900-45-FD	3/21/2024	23:48	Alexander Doniphan - Sink Tap - 001309-Room 313	1	Wt	Grab	X								45
1900-46-FD	3/21/2024	23:48	Alexander Doniphan - Bubbler - 001310-Room 313	1	Wt	Grab	X								46
1900-47-FD	3/21/2024	23:49	Alexander Doniphan - Sink Tap - 001303-Room 311	1	Wt	Grab	X								47
1900-48-FD	3/21/2024	23:49	Alexander Doniphan - Bubbler - 001304-Room 311	1	Wt	Grab	X								48
1900-49-FD	3/21/2024	23:49	Alexander Doniphan - Sink Tap - 001301F-Room 309	1	Wt	Grab	X								49

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		

3HC0113

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1900-50-FD	3/21/2024	23:50	Alexander Doniphan - Bubbler - 001302-Room 309	1	Wt	Grab	X								50
1900-51-FD	3/21/2024	23:52	Alexander Doniphan - Sink Tap - 001196-Room 401	1	Wt	Grab	X								51
1900-52-FD	3/21/2024	23:52	Alexander Doniphan - Bubbler - 001197-Room 401-West Wall	1	Wt	Grab	X								52
1900-53-FD	3/21/2024	23:52	Alexander Doniphan - Sink Tap - 001194-Room 401	1	Wt	Grab	X								53
1900-54-FD	3/21/2024	23:53	Alexander Doniphan - Bubbler - 001198-Room 401	1	Wt	Grab	X								54
1900-55-FD	3/21/2024	23:53	Alexander Doniphan - Sink Tap - 002553-Room 401-Bathroom	1	Wt	Grab	X								55
1900-56-FD	3/21/2024	23:53	Alexander Doniphan - Sink Tap - 002554-Room 403-Bathroom	1	Wt	Grab	X								56

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

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1900-57-FD	3/21/2024	23:54	Alexander Doniphan - Sink Tap - 001191-Room 403-West Wall	1	Wt	Grab	X								57
1900-58-FD	3/21/2024	23:54	Alexander Doniphan - Bubbler - 001199-Room 403-West Wall	1	Wt	Grab	X								58
1900-59-FD	3/21/2024	23:55	Alexander Doniphan - Sink Tap - 001192-Room 403-South Wall	1	Wt	Grab	X								59
1900-60-FD	3/21/2024	23:55	Alexander Doniphan - Bubbler - 001200-Room 403-South Wall	1	Wt	Grab	X								60
1900-63-FD	3/21/2024	23:57	Alexander Doniphan - Sink Tap - 001189-Room 404	1	Wt	Grab	X								61
1900-64-FD	3/21/2024	23:57	Alexander Doniphan - Bubbler - 001202-Room 404-South Wall	1	Wt	Grab	X								62
1900-65-FD	3/21/2024	23:57	Alexander Doniphan - Sink Tap - 001190-Room 404-Bathroom	1	Wt	Grab	X								63

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1900-66-FD	3/21/2024	23:57	Alexander Doniphan - Sink Tap - 001185-Room 402	1	Wt	Grab	X								64
1900-67-FD	3/21/2024	23:58	Alexander Doniphan - Drinking Fountain - 001203-Room 402-East Wall	1	Wt	Grab	X								65
1900-68-FD	3/21/2024	23:58	Alexander Doniphan - Sink Tap - 001186F-Room 402	1	Wt	Grab	X								66
1900-69-FD	3/21/2024	23:58	Alexander Doniphan - Bubbler - 001204-Room 402-North Wall	1	Wt	Grab	X								67
1900-70-FD	3/21/2024	23:59	Alexander Doniphan - Sink Tap - 002552-Room 402-Bathroom	1	Wt	Grab	X								68
1900-71-FD	3/22/2024	00:01	Alexander Doniphan - Sink Tap - 001144-Room 111	1	Wt	Grab	X								69
1900-72-FD	3/22/2024	00:01	Alexander Doniphan - Drinking Fountain - 002540-By 111	1	Wt	Grab	X								70

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___ 600 E. 17th St. S Newton, IA 50208 Phone: 641-792-8451	___ 3012 Ansborough Ave Waterloo, IA 50701 Phone: 319-235-4440	X 835 S St. Paul Kansas City, KS 66105 Phone: 913-321-7856	___ 205 E Van Buren St Centerville, IA 52544 Phone: 641-437-7023

PRINT OR TYPE INFO BELOW:		REPORT TO:		BILL TO:	
SAMPLER:		NAME:	Jeff Hurst	NAME:	Jeff Hurst
SITE NAME:		CO. NAME:		CO. NAME:	
ADDRESS:	1900 Clay Drive	ADRESS:	PO Box 47166	ADDRESS:	PO Box 47166
CITY/ST/ZIP:	Liberty, Missouri 64068	CITY/ST/ZIP:	Kansas City, Missouri 64188	CITY/ST/ZIP:	Kansas City, Missouri 64188
PHONE:	816-522-2275	PHONE:	816-678-7894	PHONE:	816-678-7894
		EMAIL:	jeffh@axiomservicepros.com	EMAIL:	jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-73-FD	3/22/2024	00:02	Alexander Doniphan - Sink Tap - 001174-By 204-Girls-Left	1	Wt	Grab	X								71
1900-74-FD	3/22/2024	00:02	Alexander Doniphan - Sink Tap - 001175-By 204-Girls-Right	1	Wt	Grab	X								72
1900-75-FD	3/22/2024	00:03	Alexander Doniphan - Sink Tap - 002561-By 204-Boys-Left	1	Wt	Grab	X								73
1900-76-FD	3/21/2024	00:03	Alexander Doniphan - Sink Tap - 002560-By 204-Boys-Right	1	Wt	Grab	X								74
1900-77-FD	3/22/2024	00:03	Alexander Doniphan - Drinking Fountain - 001177-By 204-Left	1	Wt	Grab	X								75
1900-78-FD	3/22/2024	00:04	Alexander Doniphan - Drinking Fountain - 001178-By 204-Right	1	Wt	Grab	X								76
1900-79-FD	3/22/2024	00:04	Alexander Doniphan - Sink Tap - 001179-Room 204	1	Wt	Grab	X								77

LAB USE ONLY: Wk Order #: ___ Short Hold: ___ Rush: ___ Temp: oC ___

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		

3HC01113

AXIOM Service Professionals

PM: Carolyn Jackson

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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-80-FD	3/22/2024	00:05	Alexander Doniphan - Sink Tap - 001180F- Room 206	1	Wt	Grab	X								78
1900-81-FD	3/22/2024	00:05	Alexander Doniphan - Sink Tap - 001181F- Room 208	1	Wt	Grab	X								79
1900-82-FD	3/22/2024	00:06	Alexander Doniphan - Sink Tap - 001182F- Room 210	1	Wt	Grab	X								80
1900-83-FD	3/22/2024	00:06	Alexander Doniphan - Sink Tap - 001183F- Room 211	1	Wt	Grab	X								81
1900-84-FD	3/22/2024	00:07	Alexander Doniphan - Sink Tap - 001184F- Room 209	1	Wt	Grab	X								82
1900-85-FD	3/22/2024	00:07	Alexander Doniphan - Sink Tap - 001170F- Room 202	1	Wt	Grab	X								83
1900-86-FD	3/22/2024	00:07	Alexander Doniphan - Sink Tap - 001171F- Room 202	1	Wt	Grab	X								84

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	Remarks:
	Time:			Time:	
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	
	Time:			Time:	

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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-87-FD	3/22/2024	00:09	Alexander Doniphan - Sink Tap - 001164-Gym-Boys Bathroom	1	Wt	Grab	X								85
1900-88-FD	3/22/2024	00:09	Alexander Doniphan - Sink Tap - 001165-Gym-Boys-Right	1	Wt	Grab	X								86
1900-89-FD	3/22/2024	00:10	Alexander Doniphan - Drinking Fountain - 001166-Gym-Boys Restroom	1	Wt	Grab	X								87
1900-90-FD	3/22/2024	00:10	Alexander Doniphan - Drinking Fountain - 001167-Gym-Outside Girls	1	Wt	Grab	X								88
1900-91-FD	3/22/2024	00:10	Alexander Doniphan - Bottle Filler - 001167-Gym	1	Wt	Grab	X								89
1900-92-FD	3/22/2024	00:11	Alexander Doniphan - Sink Tap - 002558-Outside Gym-Girls-Right	1	Wt	Grab	X								90
1900-93-FD	3/22/2024	00:11	Alexander Doniphan - Sink Tap - 002559-Outside Gym-Girls-Left	1	Wt	Grab	X								91

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		

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PHONE:	816-522-2275	PHONE:	816-678-7894	PHONE:	816-678-7894
		EMAIL:	jeffh@axiomservicepros.com	EMAIL:	jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-94-FD	3/22/2024	00:12	Alexander Doniphan - Sink Tap - 001157-Room 203	1	Wt	Grab	X								92
1900-95-FD	3/22/2024	00:12	Alexander Doniphan - Sink Tap - 001158-Room 203	1	Wt	Grab	X								93
1900-96-FD	3/22/2024	00:12	Alexander Doniphan - Sink Tap - 001159-Room 203	1	Wt	Grab	X								94
1900-97-FD	3/22/2024	00:13	Alexander Doniphan - Sink Tap - 001160-Room 203	1	Wt	Grab	X								95
1900-98-FD	3/22/2024	00:13	Alexander Doniphan - Sink Tap - 001161-Room 203	1	Wt	Grab	X								96
1900-99-FD	3/22/2024	00:15	Alexander Doniphan - Sink Tap - 001151-Kitchen	1	Wt	Grab	X								97
1900-100-FD	3/22/2024	00:15	Alexander Doniphan - Ice Machine - 001152-Kitchen	1	Wt	Grab	X								98

LAB USE ONLY
Wk Order #:
Short Hold:
Rush:
Temp: oC

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		

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		EMAIL:	jeffh@axiomservicepros.com	EMAIL:	jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	LAB USE ONLY: Sample #
														Wk Order #:	
														Short Hold:	
														Rush:	
														Temp: oC	
1900-101-FD	3/22/2024	00:15	Alexander Doniphan - Sink Tap - 001153- Kitchen-Handwashing by Ice Machine	1	Wt	Grab	X								99
1900-102-FD	3/22/2024	00:16	Alexander Doniphan - Pot Filler - 001154- Kitchen-	1	Wt	Grab	X								AA
1900-103-FD	3/22/2024	00:16	Alexander Doniphan - Sink Tap - 001156- Kitchen-Dish Room	1	Wt	Grab	X								AB
1900-104-FD	3/22/2024	00:17	Alexander Doniphan - Sink Tap - 004518- Kitchen	1	Wt	Grab	X								AC
1900-105-FD	3/22/2024	00:17	Alexander Doniphan - Sink Tap - 004519- Kitchen	1	Wt	Grab	X								AD
1900-106-FD	3/22/2024	00:17	Alexander Doniphan - Sink Tap - 004521- Kitchen	1	Wt	Grab	X								AE
1900-107-FD	3/22/2024	00:18	Alexander Doniphan - Sink Tap - 004522- Kitchen	1	Wt	Grab	X								AF

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	
					Remarks:
	Time:			Time:	
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	
	Time:			Time:	

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AXIOM Service Professionals
PM: Carolyn Jackson

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PHONE:	816-522-2275	PHONE:	816-678-7894	PHONE:	816-678-7894
		EMAIL:	jeffh@axiomservicepros.com	EMAIL:	jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	LAB USE ONLY: Sample #
1900-108-FD	3/22/2024	00:20	Alexander Doniphan - Sink Tap - 002538-Room 115-Bathroom	1	Wt	Grab	X								AG
1900-109-FD	3/22/2024	00:20	Alexander Doniphan - Sink Tap - 001146F-Room 115	1	Wt	Grab	X								AH
1900-110-FD	3/22/2024	00:20	Alexander Doniphan - Bubbler - 001146B-Room 115	1	Wt	Grab	X								AI
1900-111-FD	3/22/2024	00:21	Alexander Doniphan - Sink Tap - 001147F-Room 113	1	Wt	Grab	X								AJ
1900-112-FD	3/22/2024	00:21	Alexander Doniphan - Bubbler - 001147B-Room 113	1	Wt	Grab	X								AK
1900-113-FD	3/22/2024	00:22	Alexander Doniphan - Sink Tap - 002539-Room 113-Bathroom	1	Wt	Grab	X								AL
1900-114-FD	3/22/2024	00:22	Alexander Doniphan - Drinking Fountain - 002536-Outside Office	1	Wt	Grab	X								AM

LAB USE ONLY: Wk Order #: | Short Hold: | Rush: | Temp: oC

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		

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AXIOM Service Professionals

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CERTIFICATE OF ANALYSIS

3HE0030

AXIOM Service Professionals

Jeff Hurst
PO Box 47166
Kansas City, MO 64188

Project Name: Alexander Doniphan

Project / PO Number: Alexander Doniphan
Received: 05/02/2024
Reported: 05/10/2024

Work Order Special Information

Young, Bradly
Alexander Doniphan

Analytical Testing Parameters

Client Sample ID: 1900-61-FD
Sample Matrix: Drinking Water
Lab Sample ID: 3HE0030-01
Collected By: Young, Bradly
Collection Date: 04/30/2024 22:32

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**0.8**	0.4	ppb	2		05/07/24 1516	05/09/24 0205	RVV

Client Sample ID: 1900-62-FD
Sample Matrix: Drinking Water
Lab Sample ID: 3HE0030-02
Collected By: Young, Bradly
Collection Date: 04/30/2024 22:32

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	**1.1**	0.4	ppb	2		05/07/24 1516	05/09/24 0211	RVV

Definitions

RL: Reporting Limit

Report Comments

Reviewed and Approved By:

Carolyn Jackson
Project Manager
carolyn.jackson@microbac.com
05/10/24 13:16

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. ***The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

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CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED: Lead							LAB USE ONLY: Sample Condition	Sample #
1900-61-FD	4/30/2024	22:32	Alexander Doniphan - Sink Tap - 001188-Room 404	1	Wt	Grab	X								3HE0030-01
1900-62-FD	4/30/2024	22:32	Alexander Doniphan - Bubbler - 001201-Room 404	1	Wt	Grab	X								-02

LAB USE ONLY
Wk Order #: 3HE0030
Short Hold:
Rush:
Temp: oC 20.0

3 H E 0 0 3 0
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PM: Carolyn Jackson

Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquied by: (Signature)	Date:		Received by: (Signature)	Date:	05/02/24	
			Carolyn Jackson			
	Time:			Time:	12:00	

Appendix D
Photo Log



3/21/2024 - 1900-1 - Alexander Doniphan
-001122-Office Restroom



3/21/2024 - 1900-2 - Alexander Doniphan
-001123-Nurse's Office



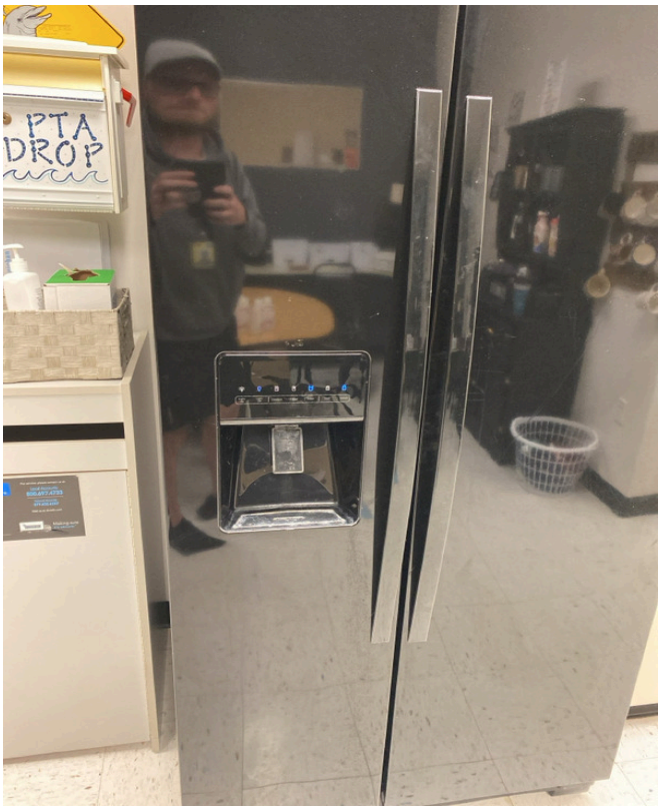
3/21/2024 - 1900-3 - Alexander Doniphan
-001124-Nurse's Office



3/21/2024 - 1900-4 - Alexander Doniphan
-001125-Restroom by Lounge



3/21/2024 - 1900-5 - Alexander Doniphan -001126-Lounge



3/21/2024 - 1900-6 - Alexander Doniphan -001127-Lounge



3/21/2024 - 1900-7 - Alexander Doniphan -002537-Lounge



3/21/2024 - 1900-8 - Alexander Doniphan -001128-Room 100



3/21/2024 - 1900-9 - Alexander Doniphan -001129-Room 102



3/21/2024 - 1900-10 - Alexander Doniphan -001130-By 102-Girls Restroom



3/21/2024 - 1900-11 - Alexander Doniphan -001131-By 102-Girls Restroom



3/21/2024 - 1900-12 - Alexander Doniphan -001132-By 102-Girls Restroom



3/21/2024 - 1900-13 - Alexander Doniphan -001133-By 102-Girls Restroom



3/21/2024 - 1900-14 - Alexander Doniphan -001134B-By 102-Boys Restroom



3/21/2024 - 1900-15 - Alexander Doniphan -001134F-By 102-Boys Restroom



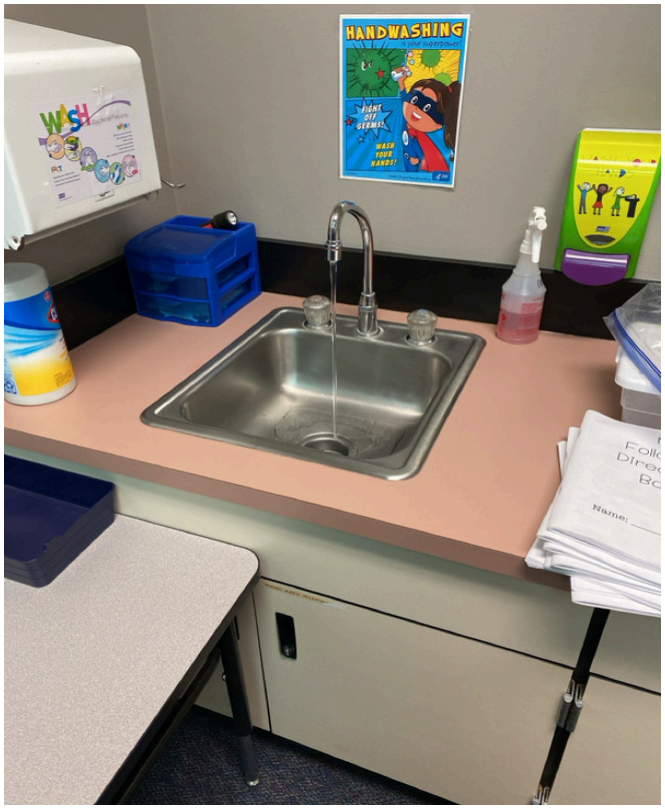
3/21/2024 - 1900-16 - Alexander Doniphan -001135-By 102-Boys Restroom



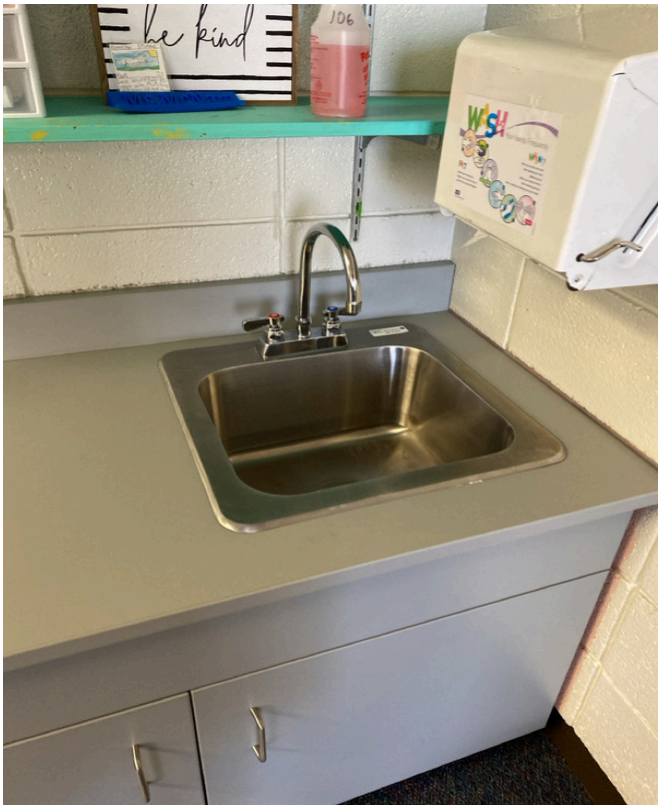
3/21/2024 - 1900-17 - Alexander Doniphan
-001136-By 102-Boys Restroom



3/21/2024 - 1900-18 - Alexander Doniphan
-001137-By 102-Boys Restroom



3/21/2024 - 1900-19 - Alexander Doniphan
-001138F-Room 105



3/21/2024 - 1900-20 - Alexander Doniphan
-001139F-Room 106



3/21/2024 - 1900-21 - Alexander Doniphan -001140F-Room 108



3/21/2024 - 1900-22 - Alexander Doniphan -001141F-Room 107



3/21/2024 - 1900-23 - Alexander Doniphan -001143-Library Data Closet



3/21/2024 - 1900-24 - Alexander Doniphan -002551-Library



3/21/2024 - 1900-25 - Alexander Doniphan
-001210-Across from 305-Far Right



3/21/2024 - 1900-26 - Alexander Doniphan
-002255-By 305-Second from Right



3/21/2024 - 1900-27 - Alexander Doniphan
-001208-Across from 305



3/21/2024 - 1900-28 - Alexander Doniphan
-001208F-Across from 305



3/21/2024 - 1900-29 - Alexander Doniphan -001207-Between Restrooms-Left



3/21/2024 - 1900-30 - Alexander Doniphan -002257-By 305-Third from Right



3/21/2024 - 1900-31 - Alexander Doniphan -001205-Across from 305-Far Left



3/21/2024 - 1900-32 - Alexander Doniphan -001291-Across from 305-Accessible Restroom



3/21/2024 - 1900-33 - Alexander Doniphan -001293-Room 305-South Wall



3/21/2024 - 1900-34 - Alexander Doniphan -001294-Room 305-South Wall



3/21/2024 - 1900-35 - Alexander Doniphan -001295-Room 307-South Wall



3/21/2024 - 1900-36 - Alexander Doniphan -001296-Room 307-South Wall



3/21/2024 - 1900-37 - Alexander Doniphan -001297-Room 306-North Wall



3/21/2024 - 1900-38 - Alexander Doniphan -001298-Room 306-North Wall



3/21/2024 - 1900-39 - Alexander Doniphan -001299-Room 308



3/21/2024 - 1900-40 - Alexander Doniphan -001300-Room 308



3/21/2024 - 1900-41 - Alexander Doniphan -001305-Room 310



3/21/2024 - 1900-42 - Alexander Doniphan -001305B-Room 310



3/21/2024 - 1900-43 - Alexander Doniphan -001307-Room 312



3/21/2024 - 1900-44 - Alexander Doniphan -001308-Room 312



3/21/2024 - 1900-45 - Alexander Doniphan -001309-Room 313



3/21/2024 - 1900-46 - Alexander Doniphan -001310-Room 313



3/21/2024 - 1900-47 - Alexander Doniphan -001303-Room 311



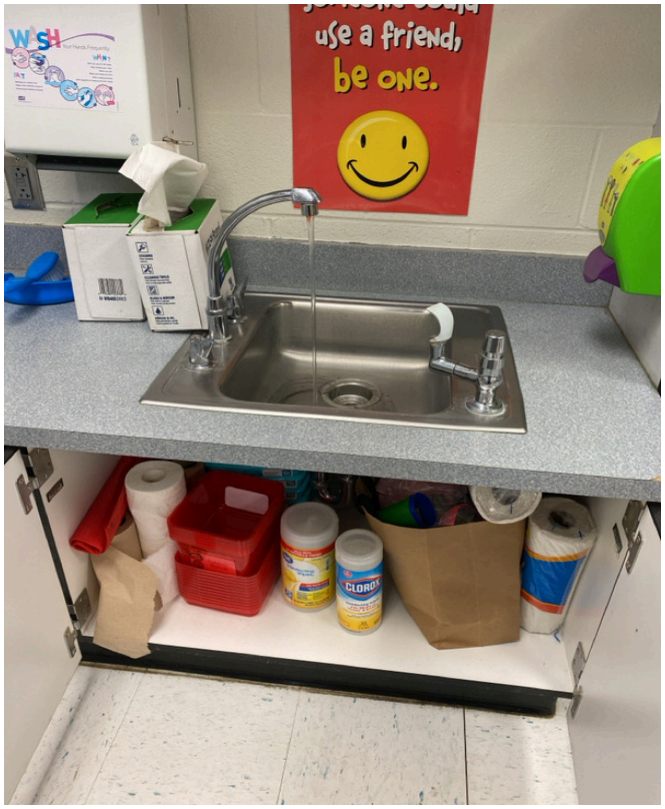
3/21/2024 - 1900-48 - Alexander Doniphan -001304-Room 311



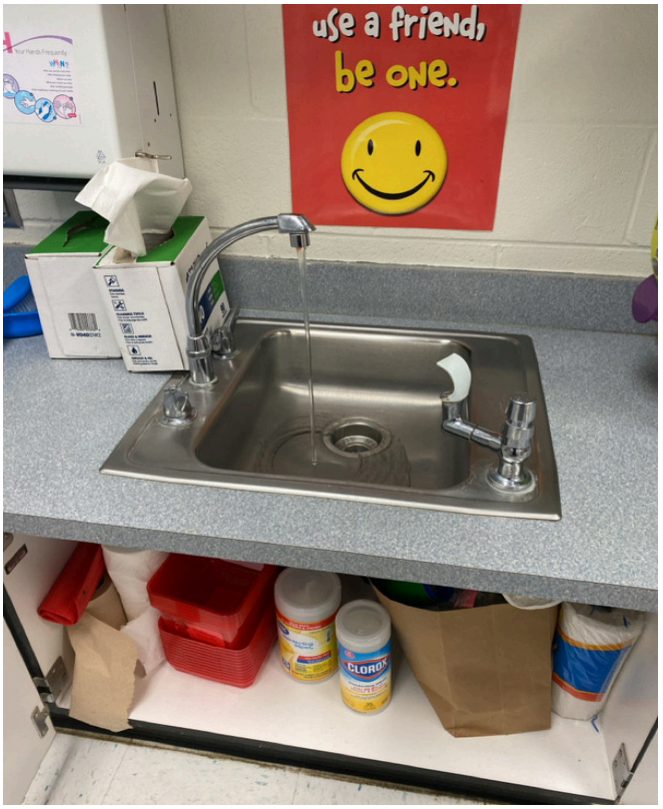
3/21/2024 - 1900-49 - Alexander Doniphan -001301F-Room 309



3/21/2024 - 1900-50 - Alexander Doniphan -001302-Room 309



3/21/2024 - 1900-51 - Alexander Doniphan -001196-Room 401



3/21/2024 - 1900-52 - Alexander Doniphan -001197-Room 401-West Wall



3/21/2024 - 1900-53 - Alexander Doniphan -001194-Room 401



3/21/2024 - 1900-54 - Alexander Doniphan -001198-Room 401



3/21/2024 - 1900-55 - Alexander Doniphan -002553-Room 401-Restroom



3/21/2024 - 1900-56 - Alexander Doniphan -002554-Room 403-Restroom



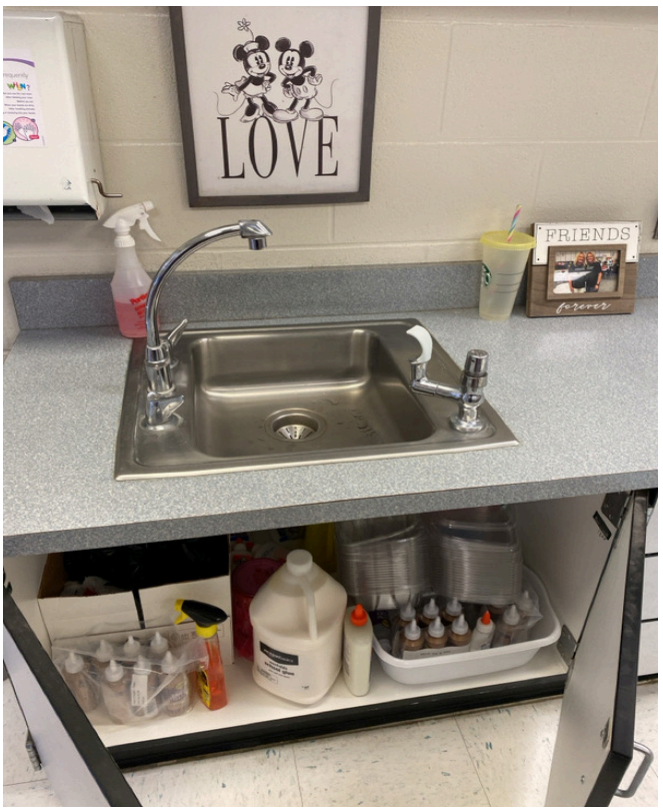
3/21/2024 - 1900-57 - Alexander Doniphan
-001191-Room 403-West Wall



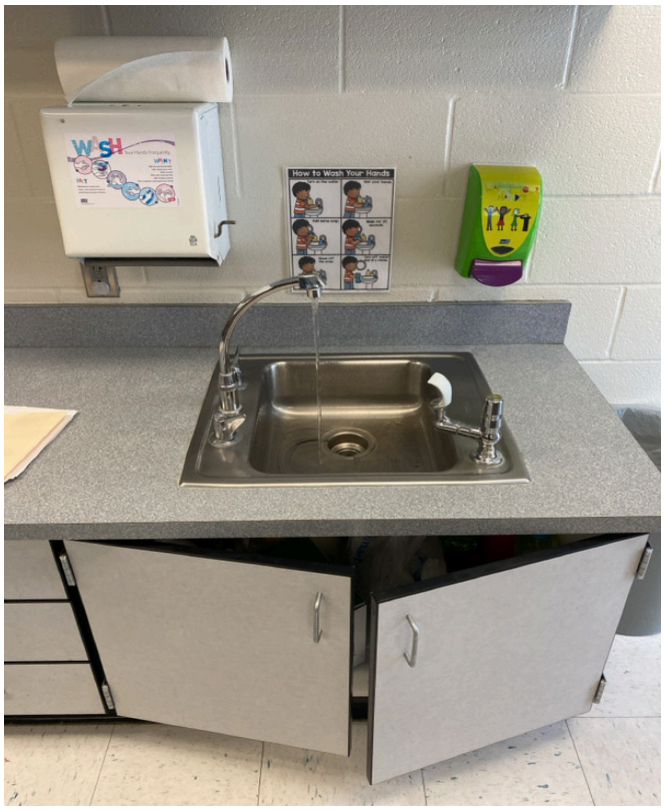
3/21/2024 - 1900-58 - Alexander Doniphan
-001199-Room 403-West Wall



3/21/2024 - 1900-59 - Alexander Doniphan
-001192-Room 403-South Wall



3/21/2024 - 1900-60 - Alexander Doniphan
-001200-Room 403-South Wall



3/21/2024 - 1900-63 - Alexander Doniphan -001189-Room 404



3/21/2024 - 1900-64 - Alexander Doniphan -001202-Room 404-South Wall



3/21/2024 - 1900-65 - Alexander Doniphan -001190-Room 404-Restroom



3/21/2024 - 1900-66 - Alexander Doniphan -001185-Room 402



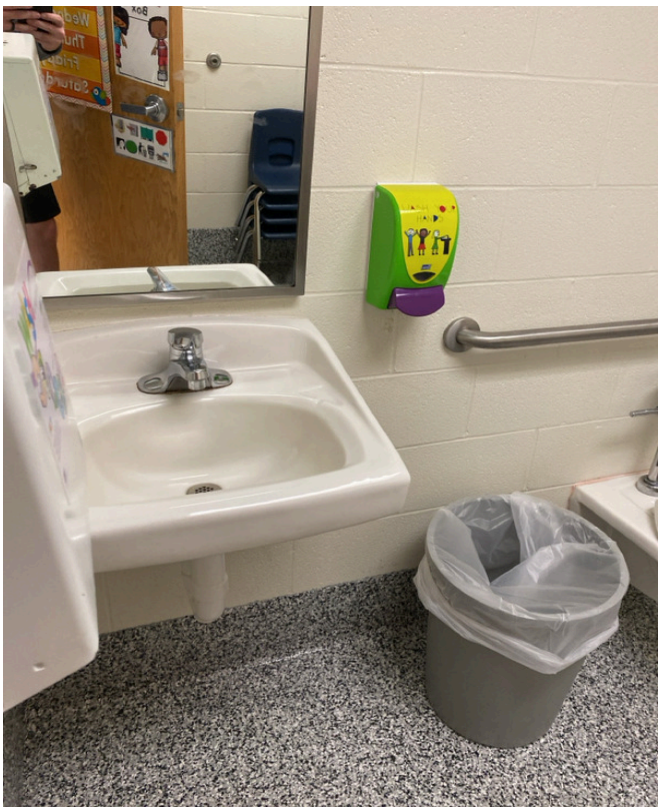
3/21/2024 - 1900-67 - Alexander Doniphan -001203-Room 402-East Wall



3/21/2024 - 1900-68 - Alexander Doniphan -001186F-Room 402



3/21/2024 - 1900-69 - Alexander Doniphan -001204-Room 402-North Wall



3/21/2024 - 1900-70 - Alexander Doniphan -002552-Room 402-Restroom



3/22/2024 - 1900-71 - Alexander Doniphan - 001144-Room 111



3/22/2024 - 1900-72 - Alexander Doniphan - 002540-By 111



3/22/2024 - 1900-73 - Alexander Doniphan - 001174-By 204-Girls-Left



3/22/2024 - 1900-74 - Alexander Doniphan - 001175-By 204-Girls-Right



3/22/2024 - 1900-75 - Alexander Doniphan - 002561-By 204-Boys-Left



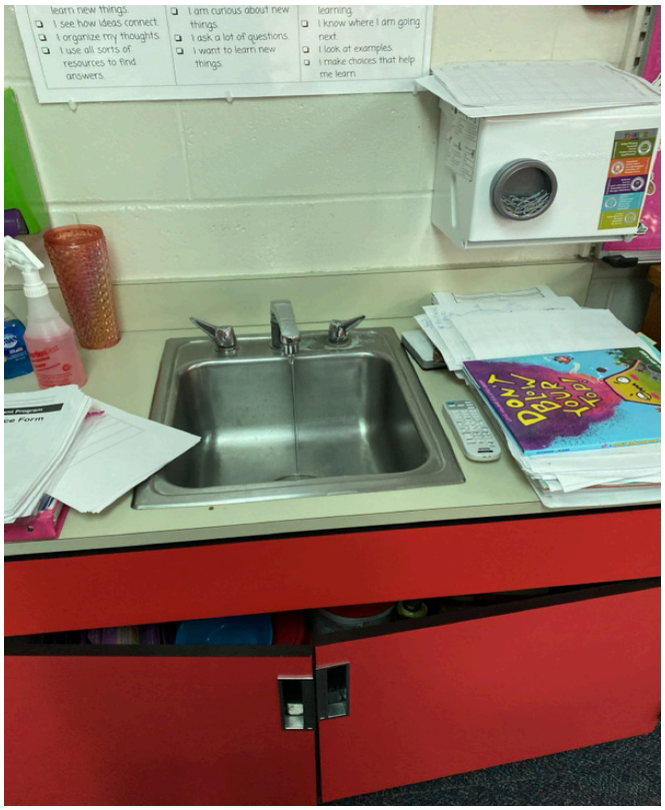
3/22/2024 - 1900-76 - Alexander Doniphan - 002560-By 204-Boys-Right



3/22/2024 - 1900-77 - Alexander Doniphan - 001177-By 204-Left



3/22/2024 - 1900-78 - Alexander Doniphan - 001178-By 204-Right



3/22/2024 - 1900-79 - Alexander Doniphan - 001179-Room 204



3/22/2024 - 1900-80 - Alexander Doniphan - 001180F-Room 206



3/22/2024 - 1900-81 - Alexander Doniphan - 001181F-Room 208



3/22/2024 - 1900-82 - Alexander Doniphan - 001182F-Room 210



3/22/2024 - 1900-83 - Alexander Doniphan - 001183F-Room 211



3/22/2024 - 1900-84 - Alexander Doniphan - 001184F-Room 209



3/22/2024 - 1900-85 - Alexander Doniphan - 001170F-Room 202



3/22/2024 - 1900-86 - Alexander Doniphan - 001171F-Room 202



3/22/2024 - 1900-87 - Alexander Doniphan - 001164-Gym-Boys Restroom



3/22/2024 - 1900-88 - Alexander Doniphan - 001165-Gym-Boys-Right



3/22/2024 - 1900-89 - Alexander Doniphan - 001166-Gym-Boys Restroom



3/22/2024 - 1900-90 - Alexander Doniphan - 001167-Gym-Outside Girls



3/22/2024 - 1900-91 - Alexander Doniphan - 001167-Gym



3/22/2024 - 1900-92 - Alexander Doniphan - 002558-Outside Gym-Girls-Right



3/22/2024 - 1900-93 - Alexander Doniphan - 002559-Outside Gym-Girls-Left



3/22/2024 - 1900-94 - Alexander Doniphan - 001157-Room 203



3/22/2024 - 1900-95 - Alexander Doniphan - 001158-Room 203



3/22/2024 - 1900-96 - Alexander Doniphan - 001159-Room 203



3/22/2024 - 1900-97 - Alexander Doniphan - 001160-Room 203



3/22/2024 - 1900-98 - Alexander Doniphan - 001161-Room 203



3/22/2024 - 1900-99 - Alexander Doniphan - 001151-Kitchen



3/22/2024 - 1900-100 - Alexander Doniphan - 001152-Kitchen



3/22/2024 - 1900-101 - Alexander Doniphan - 001153-Kitchen-Handwashing by Ice Machine



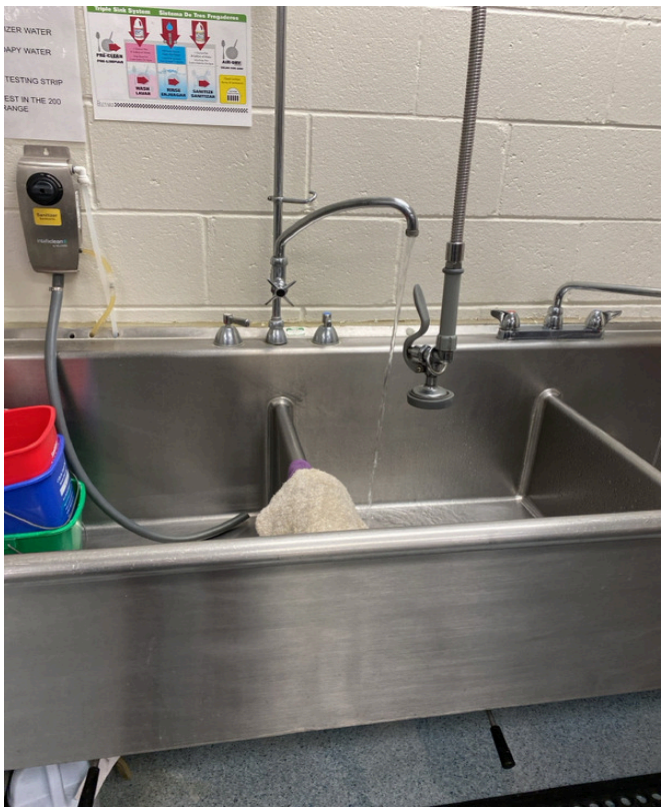
3/22/2024 - 1900-102 - Alexander Doniphan - 001154-Kitchen



3/22/2024 - 1900-103 - Alexander Doniphan - 001156-Kitchen-Dish Room



3/22/2024 - 1900-104 - Alexander Doniphan - 004518-Kitchen



3/22/2024 - 1900-105 - Alexander Doniphan - 004519-Kitchen



3/22/2024 - 1900-106 - Alexander Doniphan - 004521/1155-Kitchen



3/22/2024 - 1900-107 - Alexander Doniphan - 004522-Kitchen



3/22/2024 - 1900-108 - Alexander Doniphan - 002538-Room 115-Restroom



3/22/2024 - 1900-109 - Alexander Doniphan - 001146F-Room 115



3/22/2024 - 1900-110 - Alexander Doniphan - 001146B-Room 115



3/22/2024 - 1900-111 - Alexander Doniphan - 001147F-Room 113



3/22/2024 - 1900-112 - Alexander Doniphan - 001147B-Room 113



3/22/2024 - 1900-113 - Alexander Doniphan - 002539-Room 113-Restroom



3/22/2024 - 1900-114 - Alexander Doniphan - 002536-Outside Office



4/30/2024 - 1900-61 - Alexander Doniphan - 001188-Room 404



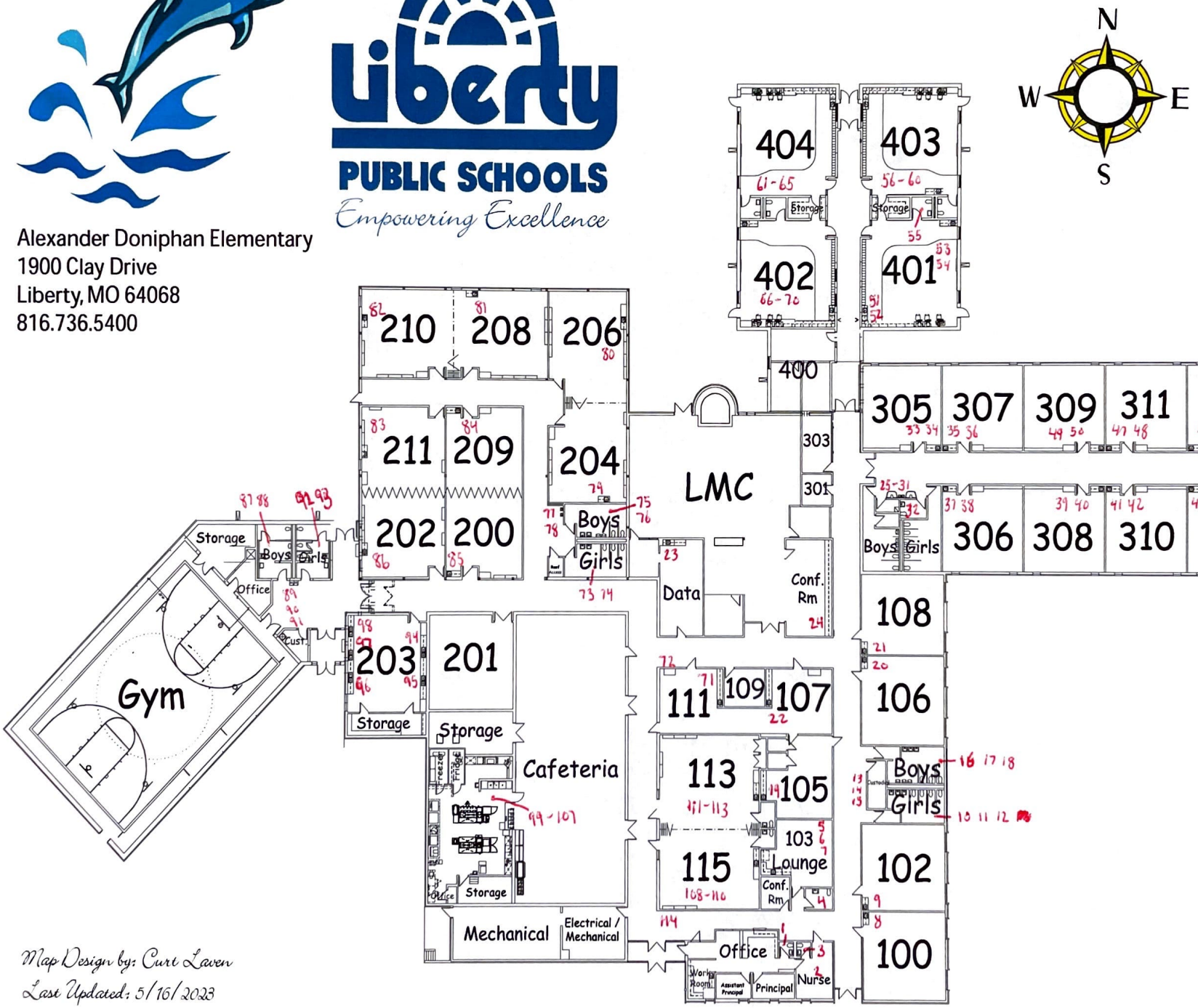
4/30/2024 - 1900-62 - Alexander Doniphan - 001201-Room 404

Appendix E
Source Identification Diagram

ASP was provided sample locations by
Liberty School District

Liberty PUBLIC SCHOOLS
Empowering Excellence

Alexander Doniphan Elementary
1900 Clay Drive
Liberty, MO 64068
816.736.5400



Map Design by: Curt Laven
Last Updated: 5/16/2023