



April 4, 2025

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

Project: Limited Lead in Drinking Water Testing
Address: 800 Midjay Drive, Liberty, Missouri 64068

Steve Aldrich

On June 27, 2024 and March 14, 2025, Jeff Hurst or Bradly Young of Axiom Service Professionals (ASP), conducted lead in drinking water resampling at the above referenced address. The inspectors' certifications are provided in Appendix A. Sampling location was derived from the previously elevated water source selected for retesting by the Liberty School District. On March 14, 2025, one sample was collected from a potential drinking water outlet source used for drinking, cooking, or cleaning of cooking and eating utensils in 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 level 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. In October 2024, EPA published the Lead and Copper Rule Improvements (LCRI) establishing a treatment level of **0.010 mg/L** or **10 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.

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**.

June 27, 2024 Water Sampling Results:

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
800-34-RDF	Discovery Middle School-Classroom 109 - 004295-Room 109	Sink Tap	Retest - First Draw	0.4
800-40-RDF	Discovery Middle School-Classroom 112 - 004297-Room 112	Sink Tap	Retest - First Draw	0.4
800-42-RDF	Discovery Middle School-Classroom 113 - 004288-Room 113	Sink Tap	Retest - First Draw	1.1
800-58-RDF	Discovery Middle School-Classroom 204 - 004259-Room 204	Sink Tap	Retest - First Draw	<0.4
800-60-RDF	Discovery Middle School-Classroom 205 - 004265-Room 205-Right Sink	Sink Tap	Retest - First Draw	<0.4
800-61-RDF	Discovery Middle School-Classroom 205 - 004266-Room 205-Left Sink	Sink Tap	Retest - First Draw	<0.4
800-78-RDF	Discovery Middle School-Classroom 316 - 004242-Room 316	Sink Tap	Retest - First Draw	0.5
800-74-RDF	Discovery Middle School-Classroom 318 - 004799-Room 318	Sink Tap	Retest - First Draw	0.7

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
800-62-RDF	Discovery Middle School- Classroom 207 - 003202- Room 207-South Wall-Left Sink	Sink Tap	Retest - First Draw	<0.4
800-63-RDF	Discovery Middle School- Classroom 207 - 004261- Room 207-South Wall-Right Sink	Sink Tap	Retest - First Draw	<0.4
800-64-RDF	Discovery Middle School- Classroom 207 - 004262- Room 207-West Wall-Left Sink	Sink Tap	Retest - First Draw	<0.4
800-65-RDF	Discovery Middle School- Classroom 207 - 004263- Room 207-West Wall-Middle Sink	Sink Tap	Retest - First Draw	<0.4
800-66-RDF	Discovery Middle School- Classroom 207 - 004264- Room 207-West Wall-Right Sink	Sink Tap	Retest - First Draw	<0.4
800-68-RDF	Discovery Middle School- Classroom 206 - 004254- Room 206-Kitchen 2	Sink Tap	Retest - First Draw	<0.4
800-69-RDF	Discovery Middle School- Classroom 206 - 004255- Room 206-Kitchen 3	Sink Tap	Retest - First Draw	<0.4
800-70-RDF	Discovery Middle School- Classroom 206 - 004256- Room 206-Kitchen 4	Sink Tap	Retest - First Draw	<0.4
800-71-RDF	Discovery Middle School- Classroom 206 - 004257- Room 206-Kitchen 5	Sink Tap	Retest - First Draw	<0.4
800-72-RDF	Discovery Middle School- Classroom 206 - 004258- Room 206-Kitchen 6	Sink Tap	Retest - First Draw	<0.4
800-146-RDF	Discovery Middle School- Kitchen - 004694-Kitchen-East Wall	Sprayer	Retest - First Draw	2.8
800-148-RDF	Discovery Middle School- Kitchen - 004696-Kitchen- South Wall	Sprayer	Retest - First Draw	14.3

March 14, 2025 Water Sampling Results:

Sample #	Location	Source Under Test	Test Type	Lead Result (ppb)
800-148-RDF	Discovery Middle School -004696-Kitchen-South Wall	Sprayer	Retest - First Draw	<0.4

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

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 ABATEMENT OCCUPATION LICENSE

Issued to:

Jeffrey 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: 8/1/2024
Expiration Date: 8/1/2026
License Number: 000801-200166567

Paula F. Nickelson

Paula F. Nickelson
Director
Department of Health and Senior Services

 Missouri Department of Health and Senior Services
Lead Occupation License ID Badge

License Number:
000801-200166567



Lead Risk Assessor

Jeffrey Hurst
Expiration Date:
August 1, 2026

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:

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

Paula F. Nickelson
Director

Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson 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

Appendix C

Laboratory Analytical Report

Please Note: Location and Source Under Test is incorrectly stated on laboratory reported 3/25/2025, please refer to the above report for correction.



Microbac Laboratories, Inc., Lenexa

CERTIFICATE OF ANALYSIS

3HG0104

AXIOM Service Professionals

Jeff Hurst
PO Box 47166
Kansas City, MO 64188

Project Name: 800 Midjay Drive

Project / PO Number: 800 Midjay Drive
Received: 07/10/2024
Reported: 07/24/2024

Work Order Special Information

Client
800 Midjay Drive

Analytical Testing Parameters

Client Sample ID: 800-34-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-01

Collected By: Client
Collection Date: 06/27/2024 9:37

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		07/24/24 0002	07/24/24 0002	RVV

Client Sample ID: 800-40-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-02

Collected By: Client
Collection Date: 06/27/2024 9:39

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	0.4	0.4	ppb	2		07/24/24 0005	07/24/24 0005	RVV

Client Sample ID: 800-42-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-03

Collected By: Client
Collection Date: 06/27/2024 9:43

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		07/24/24 0008	07/24/24 0008	RVV

Client Sample ID: 800-58-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-04

Collected By: Client
Collection Date: 06/27/2024 9:46

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		07/24/24 0011	07/24/24 0011	RVV

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Microbac Laboratories, Inc., Lenexa

CERTIFICATE OF ANALYSIS

3HG0104

Client Sample ID: 800-60-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-05

Collected By: Client
Collection Date: 06/27/2024 9:50

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		07/24/24 0014	07/24/24 0014	RVV

Client Sample ID: 800-61-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-06

Collected By: Client
Collection Date: 06/27/2024 9:52

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		07/24/24 0023	07/24/24 0023	RVV

Client Sample ID: 800-78-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-07

Collected By: Client
Collection Date: 06/27/2024 9:57

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	0.5	0.4	ppb	2		07/24/24 0026	07/24/24 0026	RVV

Client Sample ID: 800-74-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-08

Collected By: Client
Collection Date: 06/27/2024 9:59

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		07/24/24 0029	07/24/24 0029	RVV

Client Sample ID: 800-62-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-09

Collected By: Client
Collection Date: 06/27/2024 10:03

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		07/24/24 0032	07/24/24 0032	RVV

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CERTIFICATE OF ANALYSIS

3HG0104

Client Sample ID: 800-63-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-10

Collected By: Client
Collection Date: 06/27/2024 10:07

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		07/24/24 0035	07/24/24 0035	RVV

Client Sample ID: 800-64-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-11

Collected By: Client
Collection Date: 06/27/2024 10:10

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		07/24/24 0038	07/24/24 0038	RVV

Client Sample ID: 800-65-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-12

Collected By: Client
Collection Date: 06/27/2024 10:13

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		07/24/24 0041	07/24/24 0041	RVV

Client Sample ID: 800-66-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-13

Collected By: Client
Collection Date: 06/27/2024 10:14

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		07/24/24 0044	07/24/24 0044	RVV

Client Sample ID: 800-68-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-14

Collected By: Client
Collection Date: 06/27/2024 10:19

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		07/24/24 0047	07/24/24 0047	RVV

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Microbac Laboratories, Inc., Lenexa

CERTIFICATE OF ANALYSIS

3HG0104

Client Sample ID: 800-69-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-15

Collected By: Client
Collection Date: 06/27/2024 10:21

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		07/24/24 0050	07/24/24 0050	RVV

Client Sample ID: 800-70-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-16

Collected By: Client
Collection Date: 06/27/2024 10:23

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		07/24/24 0059	07/24/24 0059	RVV

Client Sample ID: 800-71-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-17

Collected By: Client
Collection Date: 06/27/2024 10:24

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		07/24/24 0102	07/24/24 0102	RVV

Client Sample ID: 800-72-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-18

Collected By: Client
Collection Date: 06/27/2024 10:26

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		07/24/24 0105	07/24/24 0105	RVV

Client Sample ID: 800-146-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-19

Collected By: Client
Collection Date: 06/27/2024 10:37

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		07/24/24 0108	07/24/24 0108	RVV

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CERTIFICATE OF ANALYSIS

3HG0104

Client Sample ID: 800-148-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3HG0104-20

Collected By: Client
Collection Date: 06/27/2024 10:39

Analyses Performed by: Microbac Laboratories, Inc., Newton

Determination of Total Metals	Result	RL	Units	DF	Note	Prepared	Analyzed	Analyst
200.8								
Lead, total	14.3	0.4	ppb	2		07/24/24 0117	07/24/24 0117	RVV

Definitions

RL: Reporting Limit

Report Comments

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>.

Reviewed and Approved By:

Carolyn Jackson
Project Manager
carolyn.jackson@microbac.com
07/24/24 12:03

Keystone
LABORATORIES
A Microbac Company

600 E. 17th St. S
Newton, IA 50208
Phone: 641-792-8451

3012 Ansborough Ave
Waterloo, IA 50701
Phone: 319-235-4440

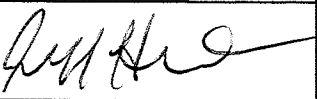
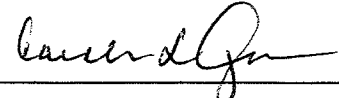
X

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:	Discovery Middle School	CO. NAME:		CO. NAME:	
ADDRESS:	800 Midjay Drive	ADDRESS:	PO Box 47166	ADDRESS:	PO Box 47166
CITY/ST/ZIP:	Liberty MO	CITY/ST/ZIP:	Kansas City, Missouri 64188	CITY/ST/ZIP:	Kansas City, Missouri 64188
PHONE:		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							LAB USE ONLY	
							Lead							Wk Order #:	
														Short Hold:	
														Rush:	
														Temp: oC	23.5
														Sample Condition	Sample #
800-34-RDF	6/27/2024	09:37	Classroom 109 - Sink Tap - 004295-Room 109	1		Grab	X								3HGD104-01
800-40-RDF	6/27/2024	09:39	Classroom 112 - Sink Tap - 004297-Room 112	1		Grab	X								02
800-42-RDF	6/27/2024	09:43	Classroom 113 - Sink Tap - 004288-Room 113	1		Grab	X								03
800-58-RDF	6/27/2024	09:46	Classroom 204 - Sink Tap - 004259-Room 204	1		Grab	X								04
800-60-RDF	6/27/2024	09:50	Classroom 205 - Sink Tap - 004265-Room 205- Right Sink	1		Grab	X								05
800-61-RDF	6/27/2024	09:52	Classroom 205 - Sink Tap - 004266-Room 205- Left Sink	1		Grab	X								06
800-78-RDF	6/27/2024	09:57	Classroom 316 - Sink Tap - 004242-Room 316	1		Grab	X								07

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Remarks:
	6/5/24			
	Time:		Time:	
Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	
	Time:		Time:	
			07/10/24 14:00	



3 H G 0 1 0 4

AXIOM Service Professionals

PM: Carolyn Jackson



600 E. 17th St. S
Newton, IA 50208
Phone: 641-792-8451

3012 Ansborough Ave
Waterloo, IA 50701
Phone: 319-235-4440

835 S St. Paul
Kansas City, KS 66105
Phone: 913-321-7856

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

X

PRINT OR TYPE INFO BELOW:		REPORT TO:		BILL TO:	
SAMPLER:		NAME: Jeff Hurst		NAME: Jeff Hurst	
SITE NAME: Discovery Middle School		CO. NAME:		CO. NAME:	
ADDRESS: 800 Midjay Drive		ADDRESS: PO Box 47166		ADDRESS: PO Box 47166	
CITY/ST/ZIP: Liberty MO		CITY/ST/ZIP: Kansas City, Missouri 64188		CITY/ST/ZIP: Kansas City, Missouri 64188	
PHONE:		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							LAB USE ONLY	
							Lead							Wk Order #:	
														Short Hold:	
														Rush:	
														Temp:	oC
														Sample Condition	Sample #
800-74-RDF	6/27/2024	09:59	Classroom 318 - Sink Tap - 004799-Room 318	1		Grab	X								3HG0104-08
800-62-RDF	6/27/2024	10:03	Classroom 207 - Sink Tap - 003202-Room 207-South Wall-Left Sink	1		Grab	X								09
800-63-RDF	6/27/2024	10:07	Classroom 207 - Sink Tap - 004261-Room 207-South Wall-Right Sink	1		Grab	X								10
800-64-RDF	6/27/2024	10:10	Classroom 207 - Sink Tap - 004262-Room 207-West Wall-Left Sink	1		Grab	X								11
800-65-RDF	6/27/2024	10:13	Classroom 207 - Sink Tap - 004263-Room 207-West Wall-Middle Sink	1		Grab	X								12
800-66-RDF	6/27/2024	10:14	Classroom 207 - Sink Tap - 004264-Room 207-West Wall-Right Sink	1		Grab	X								13
800-68-RDF	6/27/2024	10:19	Classroom 206 - Sink Tap - 004254-Room 206-Kitchen 2	1		Grab	X								14

Relinquished by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquished by: (Signature)	Date:		Received by: (Signature)	Date:	07/10/24	
	Time:			Time:	14:00	



3 H G 0 1 0 4

AXIOM Service Professionals

PM: Carolyn Jackson

Keystone
LABORATORIES
A Microbac Company

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:

SAMPLER:

SITE NAME: Discovery Middle School

ADDRESS: 800 Midjay Drive

CITY/ST/ZIP: Liberty MO

PHONE:

REPORT TO:

NAME: Jeff Hurst

CO. NAME:

ADDRESS: PO Box 47166

CITY/ST/ZIP: Kansas City, Missouri 64188

PHONE: 816-678-7894

EMAIL: jeffh@axiomservicepros.com

BILL TO:

NAME: Jeff Hurst

CO. NAME:

ADDRESS: PO Box 47166

CITY/ST/ZIP: Kansas City, Missouri 64188

PHONE: 816-678-7894

EMAIL: jeffh@axiomservicepros.com

CLIENT SAMPLE #	DATE	TIME		# OF CONTAINERS	MATRIX	GRAB/COMPOSITE	ANALYSES REQUIRED							LAB USE ONLY	
							Lead							Wk Order #:	3HGD104
														Short Hold:	
														Rush:	
														Temp: oC	
														Sample Condition	Sample #
800-69-RDF	6/27/2024	10:21	Classroom 206 - Sink Tap - 004255-Room 206-Kitchen 3	1		Grab	X								3HGD104-15
800-70-RDF	6/27/2024	10:23	Classroom 206 - Sink Tap - 004256-Room 206-Kitchen 4	1		Grab	X								16
800-71-RDF	6/27/2024	10:24	Classroom 206 - Sink Tap - 004257-Room 206-Kitchen 5	1		Grab	X								17
800-72-RDF	6/27/2024	10:26	Classroom 206 - Sink Tap - 004258-Room 206-Kitchen 6	1		Grab	X								18
800-146-RDF	6/27/2024	10:37	kitchen - Sprayer - 004694-Kitchen-East Wall	1		Grab	X								19
800-148-RDF	6/27/2024	10:39	kitchen - Sprayer - 004694-Kitchen-South Wall	1		Grab	X								20

Relinquished by: (Signature)	Date:		Received by: (Signature)	Date:		Remarks:
	Time:			Time:		
Relinquished by: (Signature)	Date:		Received by: (Signature)	Date:	07/10/24	
	Time:		<i>Carolyn Jackson</i>	Time:	14:00	



3 H G 0 1 0 4

AXIOM Service Professionals

PM: Carolyn Jackson



Microbac Laboratories, Inc., Lenexa

CERTIFICATE OF ANALYSIS

3IC0076

AXIOM Service Professionals

Jeff Hurst
PO Box 47166
Kansas City, MO 64188

Project Name: 800 Midjay Drive

Project / PO Number: 800 Midjay Drive
Received: 03/19/2025
Reported: 03/25/2025

Work Order Special Information

Hurst, Jeff
800 Midjay Drive

Analytical Testing Parameters

Client Sample ID: 800-148-RDF
Sample Matrix: Drinking Water
Lab Sample ID: 3IC0076-01

Collected By: Hurst, Jeff
Collection Date: 03/14/2025 5:49

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		03/18/25 1437	03/24/25 1714	RVV

Definitions

RL: Reporting Limit
RPD: Relative Percent Difference

Report Comments

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>.

Reviewed and Approved By:

Carolyn Jackson
Project Manager
carolyn.jackson@microbac.com
03/25/25 16:08



PRINT OR TYPE INFO BELOW:		REPORT TO:		BILL TO:	
SAMPLER: Jeff Hurst		NAME: Jeff Hurst		NAME: Jeff Hurst	
SITE NAME: Discovery Middle School		CO. NAME:		CO. NAME:	
ADDRESS: 800 Midjay Drive		ADDRESS: PO Box 47166		ADDRESS: PO Box 47166	
CITY/ST/ZIP: Liberty MO		CITY/ST/ZIP: Kansas City, Missouri 64188		CITY/ST/ZIP: Kansas City, Missouri 64188	
PHONE:		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	Lead	ANALYSES REQUIRED							LAB USE ONLY	
															Wk Order #:	
															Short Hold:	
															Rush:	
															Temp: oC	21.1°C
															Sample Condition	Sample #
800-148-RDF	3/14/2025	05:49	Discovery Middle School - Sink Tap - 004696- Kitchen-East Wall	1	Wt	Grab	X									3IC0076-01

Relinquished by: (Signature)	Date:	3/19/25	Received by: (Signature)	Date:	03/19/25	Remarks:
<i>Jeff Hurst</i>	Time:	8:29	<i>Jeff Hurst</i>	Time:	8:29	
Relinquished by: (Signature)	Date:		Received by: (Signature)	Date:		
	Time:			Time:		



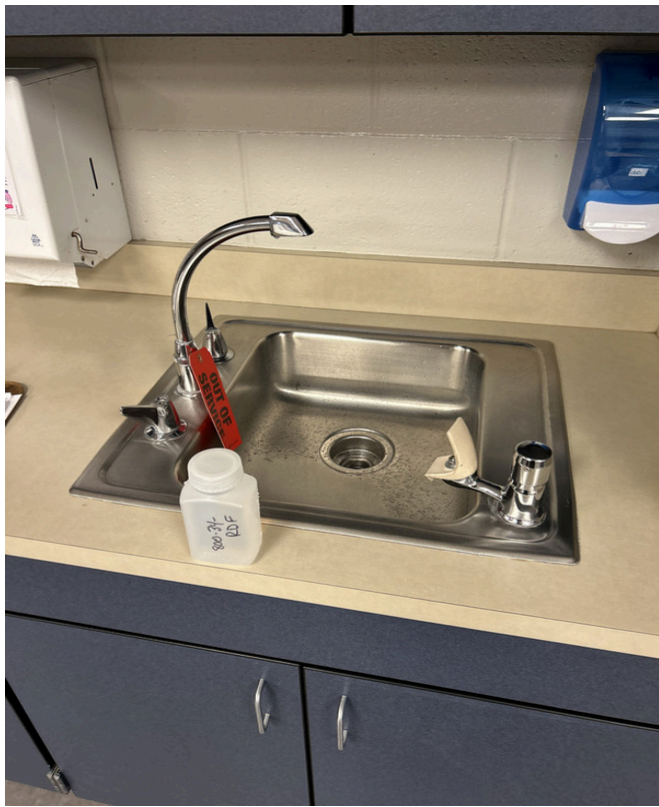
3 I C 0 0 7 6

AXIOM Service Professionals

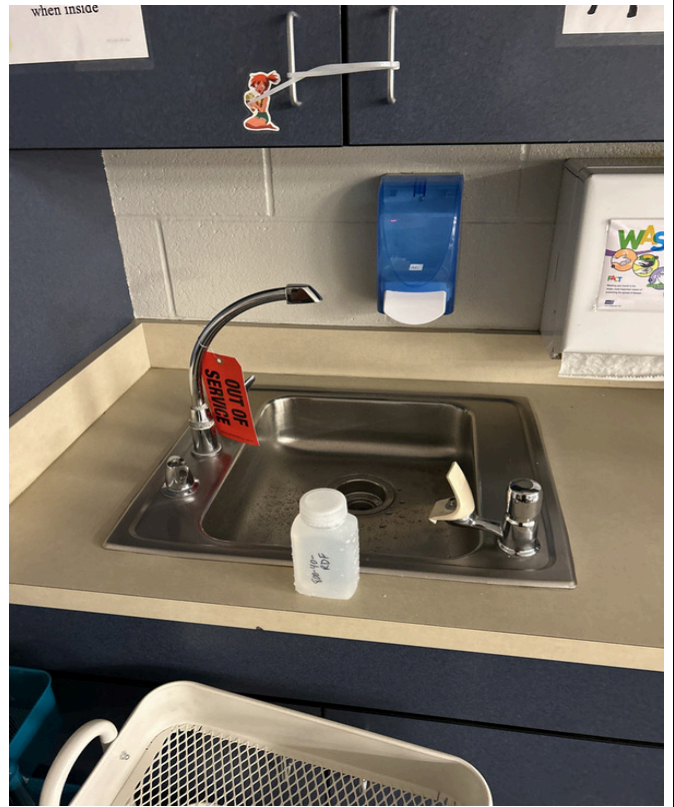
PM: Carolyn Jackson

Appendix D

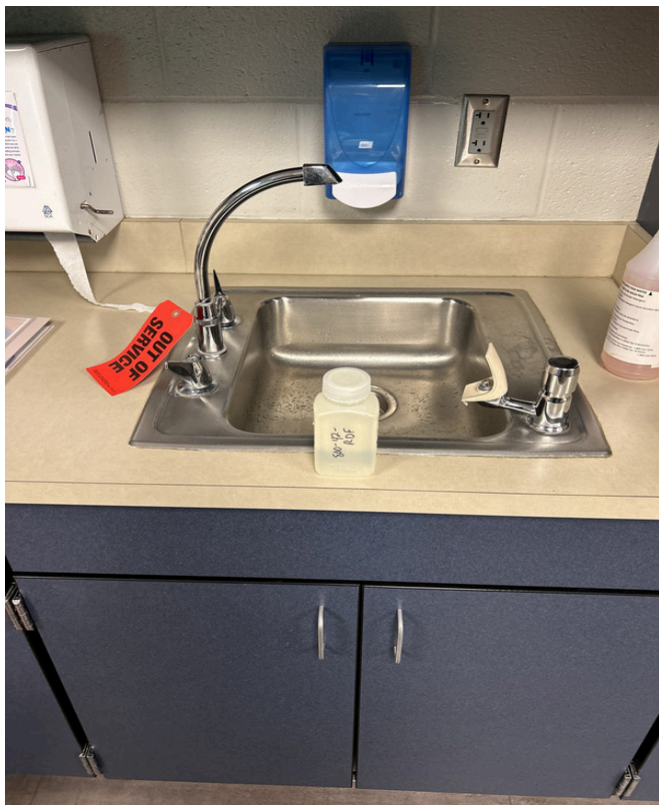
Photo Log



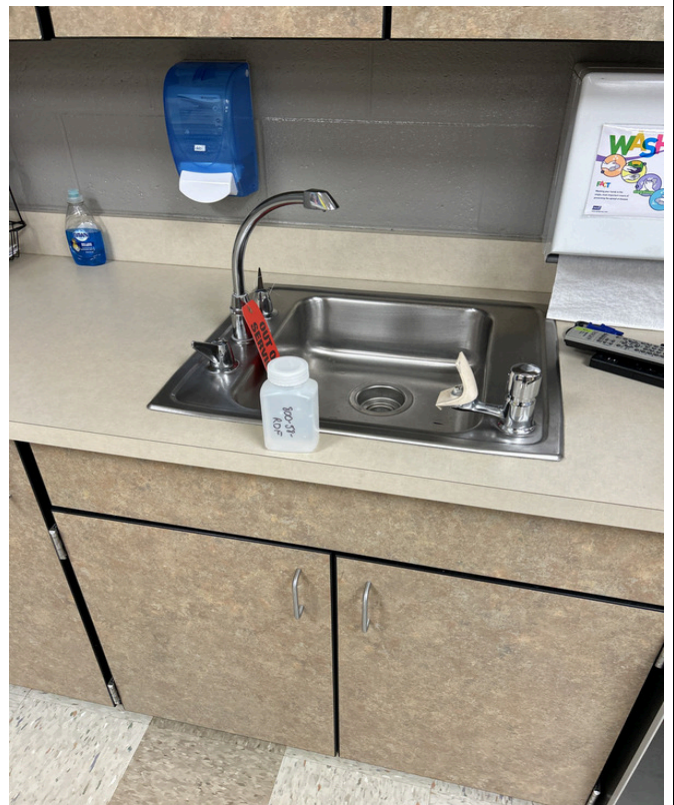
6/27/2024 - 800-34 - Discovery Middle School-
Classroom 109 - 004295-Room 109



6/27/2024 - 800-40 - Discovery Middle School-
Classroom 112 - 004297-Room 112



6/27/2024 - 800-42 - Discovery Middle School-
Classroom 113 - 004288-Room 113



6/27/2024 - 800-58 - Discovery Middle School-
Classroom 204 - 004259-Room 204



6/27/2024 - 800-60 - Discovery Middle School-
Classroom 205 - 004265-Room 205-Right Sink



6/27/2024 - 800-61 - Discovery Middle School-
Classroom 205 - 004266-Room 205-Left Sink



6/27/2024 - 800-78 - Discovery Middle School-
Classroom 316 - 004242-Room 316



6/27/2024 - 800-74 - Discovery Middle School-
Classroom 318 - 004799-Room 318



6/27/2024 - 800-62 - Discovery Middle School-
Classroom 207 - 003202-Room 207-South Wall-
Left Sink



6/27/2024 - 800-63 - Discovery Middle School-
Classroom 207 - 004261-Room 207-South Wall-
Right Sink



6/27/2024 - 800-64 - Discovery Middle School-
Classroom 207 - 004262-Room 207-West Wall-
Left Sink



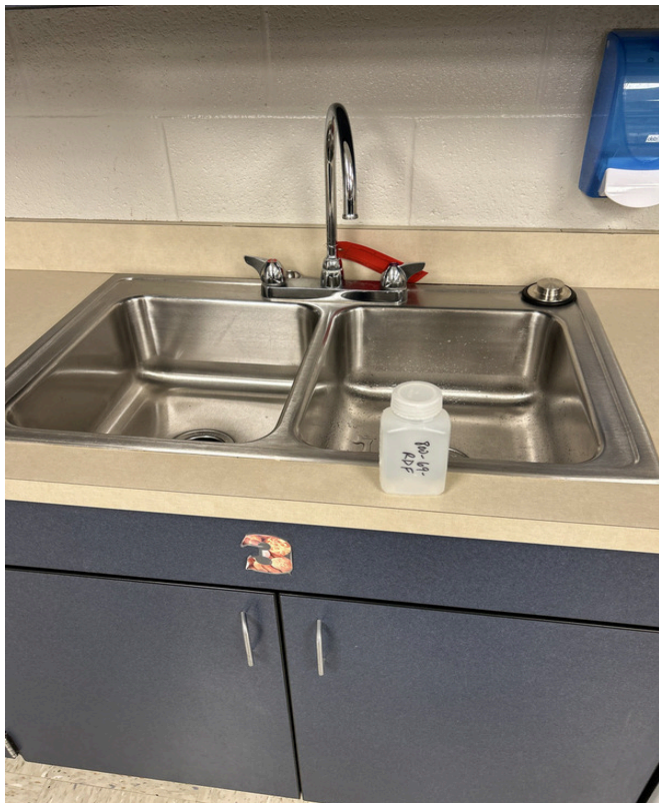
6/27/2024 - 800-65 - Discovery Middle School-
Classroom 207 - 004263-Room 207-West Wall-
Middle Sink



6/27/2024 - 800-66 - Discovery Middle School-
Classroom 207 - 004264-Room 207-West Wall-
Right Sink



6/27/2024 - 800-68 - Discovery Middle School-
Classroom 206 - 004254-Room 206-Kitchen 2



6/27/2024 - 800-69 - Discovery Middle School-
Classroom 206 - 004255-Room 206-Kitchen 3



6/27/2024 - 800-70 - Discovery Middle School-
Classroom 206 - 004256-Room 206-Kitchen 4



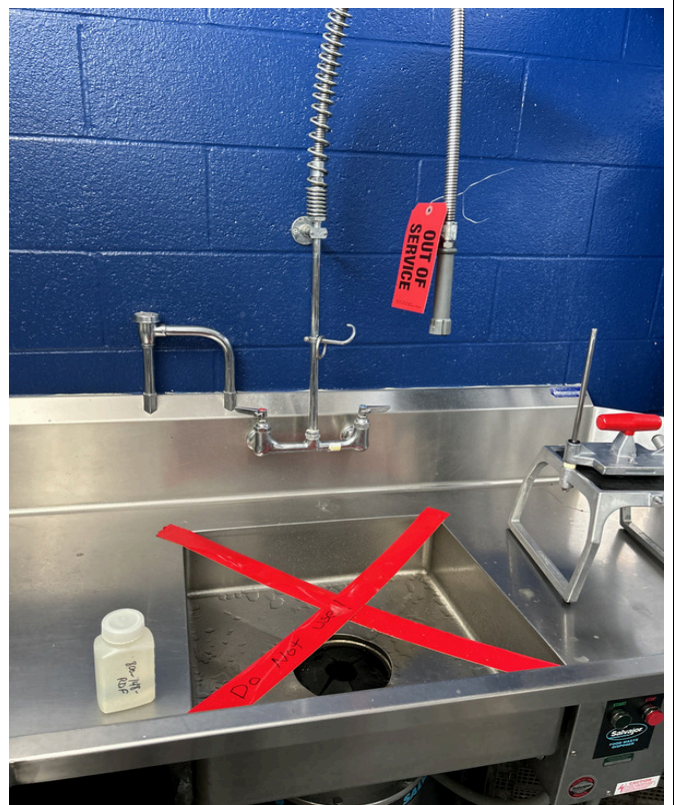
6/27/2024 - 800-71 - Discovery Middle School-
Classroom 206 - 004257-Room 206-Kitchen 5



6/27/2024 - 800-72 - Discovery Middle School-
Classroom 206 - 004258-Room 206-Kitchen 6



6/27/2024 - 800-146 - Discovery Middle School-
Kitchen - 004694-Kitchen-East Wall



6/27/2024 - 800-148 - Discovery Middle
School-Kitchen - 004696-Kitchen-South Wall



3/14/2025 - 800-148 - Discovery Middle School
-004696-Kitchen-South Wall

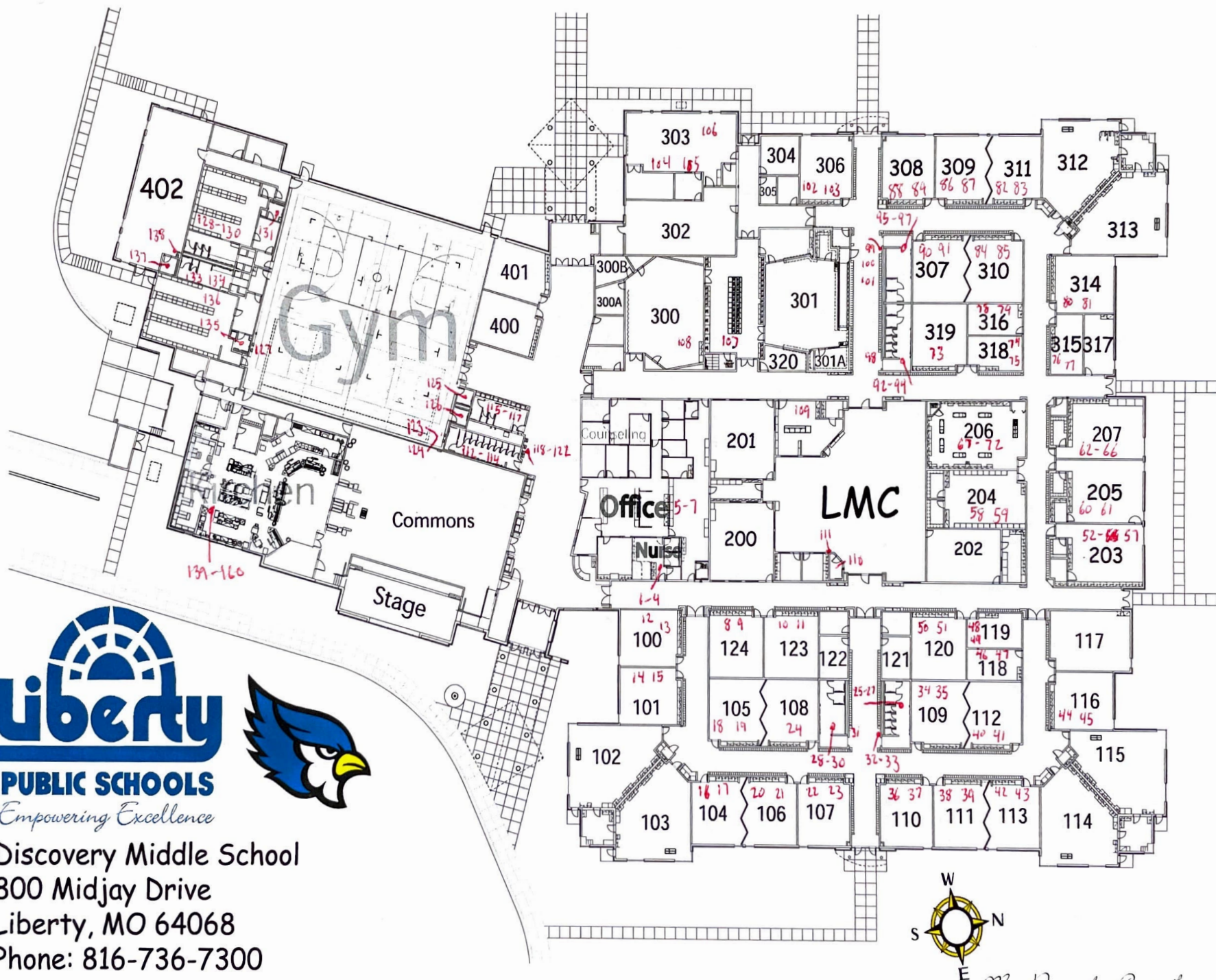
Appendix E

Source Identification Diagram

ASP was provided sample locations by
Liberty School District



Discovery Middle School
800 Midjay Drive
Liberty, MO 64068
Phone: 816-736-7300



Map Design by: Curt Laven
Last Updated: 05/15/2023