FINAL SAMPLING REPORT WIIN GRANT LEAD TESTING PROGRAM

SHIP'S AHOY CHILDREN'S LEARNING ACADEMY

1639 Ryan Street, Lake Charles, Louisiana 70601 Calcasieu Parish



Prepared for:

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Prepared by:

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Date:

November 14, 2022

Matrix Project No.: 22-0097



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1.0 INTRODUCTION

On behalf of the Louisiana Department of Health (LDH), Matrix New World Engineering, Land Surveying and Landscape Architecture (Matrix) has prepared this Final Sampling Report (the Report) for Ship's Ahoy Children's Learning Academy (the Facility). Matrix developed the Report following assessment and sampling of water sources used for consumption at the Facility to determine the potential presence and concentration of lead in drinking water.

This Report provides a summary of the activities performed by Matrix, the results of the analytical testing, and recommendations to the Facility as a result of the analytical results.

1.1 Background

Lead is a naturally occurring element with some beneficial uses, but it can be toxic to humans and animals. Lead can be found in the air, soil, water, and in other materials (e.g. paint, batteries). Lead was a common material used in plumbing materials for many years and can enter drinking water through corrosion. According to the Environmental Protection Agency (EPA), the most common sources of lead in drinking water are lead pipes, faucets, and fixtures. Lead service lines are more likely to be found in buildings built before 1986. Among buildings without lead pipes, the most common sources of lead in drinking water are brass or chrome-plated brass faucets and plumbing with lead solder (melted metal or alloy used to join pieces of metal). Additionally, some drinking water fountains with lead-lined tanks and other plumbing fixtures not intended for drinking water (e.g. hoses, spigots, hand washing sinks) may also be sources of lead in drinking water. The amount of lead that enters drinking water from these sources is affected by many factors, including: the chemistry of the water, the amount of lead the water is in contact with, the temperature of the water, the amount of wear in the pipes, how long water stays in the pipes, and the presence of protective scales or coatings inside the plumbing materials.

The Safe Drinking Water Act requires EPA to determine the level of contaminants in drinking water at which no adverse health effects are likely to occur with an adequate margin of safety. EPA has set the maximum contaminant level goal for lead in drinking water at zero because lead is a toxic metal that can be harmful to human health even at low exposure levels. EPA also set an action level for lead in drinking water at 15 parts per billion (ppb). Lead is persistent, and it can bioaccumulate in the body over time.

According to the Center for Disease Control and Prevention (CDC) and the EPA, young children, infants, and fetuses are particularly vulnerable to lead because the physical and behavioral effects of lead occur at lower exposure levels in children than in adults. In children, low levels of exposure have been linked to damage to the central and peripheral nervous system, learning disabilities, shorter stature, impaired hearing, and impaired formation and function of blood cells. The most important step in protecting children from these effects is preventing lead exposure before it occurs by removing lead hazards from their environment.

The EPA has determined even when water entering a facility meets all federal and state safe drinking water standards for lead, older plumbing materials in schools and child care facilities may contribute to elevated levels of lead in drinking water. Additionally, due to the intermittent water use patterns, schools and child care facilities are more likely to have a higher potential for lead to enter drinking water as water remains in contact with lead plumbing materials for longer. However, the only way to know if lead is present in drinking water is to test.



In order to help schools and child care facilities implement a voluntary program to reduce lead in drinking water, the EPA developed a guide for training, testing, and taking action called the 3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities (the 3Ts). The 3Ts manual was revised in 2018 and provides information and resources to assist schools and child care facilities in identifying potential problems, implementing targeted remediation efforts, and communicating with parents, teachers, and the public. The EPA also developed a toolkit of resources to support the 3Ts. The 3Ts manual and toolkit can be found at https://www.epa.gov/ground-water-and-drinking-water.

The Water Infrastructure Improvements for the Nation Act or "WIIN Act" of 2016 authorized the EPA to award grants to states for providing voluntary testing for lead in drinking water at eligible schools and child care facilities. The LDH administers the WIIN Grant Lead Testing Program for Louisiana and offers free lead testing in drinking water at eligible schools and child care facilities. This program includes outreach and education on lead exposure risks in drinking water, facility assessments and water sampling, lead analysis, and remediation guidance in accordance with the 3Ts. Participation in the program is voluntary and requires that eligible schools and child care centers submit an application to LDH for approval. Once tested, schools and child care facilities are required to make the lead test results publicly available and notify parents and teachers/employees of the availability of the results.

1.2 Purpose and Scope

Matrix, as a contractor for LDH, assessed the sources of water used for consumption at the Facility and developed a Sampling Plan. A summary of the assessment activities and Sampling Plan is included in Section 2 below. The Sampling Plan was approved by LDH, and Matrix conducted sampling at the Facility in accordance with the EPA's 3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities. A summary of the sampling event is included in Section 3 below. Upon receipt of the laboratory analytical reports (**Attachment 1**), Matrix reviewed the results and was prepared to notify LDH and the Facility within 24 hours of any exceedances of the lead action level (15 ppb) if identified. Based on the results of the lead sampling and any other issues identified during the assessment or sampling activities, Matrix has developed recommendations and/or remediation guidance for the Facility as outlined in Sections 5 and 6.

1.3 Facility Information

Ship's Ahoy Children's Learning Academy, a child care facility, is located at 1639 Ryan Street in Lake Charles, Calcasieu Parish, Louisiana. The Facility is owned and operated by Ship's Ahoy Enterprises, Inc. The Facility is located on the first floor of a three-story building built in approximately 1961. Facility staff were unaware of plumbing modifications to the building. The Facility serves children from six weeks old to Pre-K. For the purposes of this Report, all fixtures accessible by children attending the child care facility were assessed and sampled.



2.0 ASSESSMENT ACTIVITIES AND SAMPLING PLAN

Initial assessment and investigation of the Facility was performed on September 15, 2022, in accordance with the EPA's 3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities. During the assessment, Matrix surveyed the Facility building to identify each potential source of water used for consumption. Based on fixture type, location, and use, Matrix determined which fixtures were appropriate to sample in accordance with the EPA and LDH guidance.

2.1 Initial and On-site Interviews

On September 15, 2022, Matrix staff met with Facility Owner, Stephanie Smith. Information gathered during the initial interviews and discussions during the assessment includes the following:

- The Facility has no exterior fixtures used for drinking water.
- Drinking water is provided in bulk water dispensers. Bulk water is supplied by Kentwood.
- The water main enters the building from Ryan Street near the office.

2.2 Assessment Findings and Sampling Plan

As a result of the assessment, Matrix identified 14 total fixtures that may be a source of water used for consumption by the children. Matrix did not identify any water coolers banned by EPA at the School. Each fixture was assigned a specific fixture ID using the following method:

(Building) - (Floor) - (Room # or Name) - (Fixture Type and Location)

A facility map indicating the fixture locations is included in **Appendix A**, and a list of codes and abbreviations used in the fixture and sample IDs is included in **Appendix B**.

After review of the fixture information, Matrix concluded all 14 fixtures at the Facility should be sampled.

Matrix submitted the Sampling Plan to LDH on October 26, 2022, and it was approved by LDH on the same day.



3.0 SAMPLING EVENT

Following LDH's approval of the Sampling Plan, Matrix coordinated with facility representatives to schedule the sampling event. Matrix conducted sampling at the Facility on November 4, 2022, in accordance with the sampling guidance provided in the EPA's 3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities and in guidance from LDH.

3.1 Procedures

Matrix ensured, through scheduling and communication with facility representatives, that the water was unused in the Facility's pipes/fixtures for a minimum of eight, but not more than eighteen hours prior to initiating sampling. Additionally, Matrix ensured that first-draw samples were collected before the facility opened and before any water was used at the Facility.

All samples were collected in a 250 milliliter (mL) wide-mouth bottle utilizing a two-step process.

- Step 1- First Draw or Primary Samples (P) This sample was collected immediately after opening the faucet/valve without allowing any water to go to waste.
- Step 2- Flush Samples (F) This sample was collected after running (flushing) the water for 30 seconds.

Matrix began the sampling event in the Facility's kitchen. All first draw and flush samples were collected in the kitchen prior to sampling any other areas of the facility. Following the kitchen samples, Matrix began collecting first draw samples of the other fixtures in the area closest to where the water main enters the facility and working away from that point. After first draw samples were collected, Matrix collected the flush samples utilizing the same pattern.

Matrix noted the time of each sample on the laboratory chain-of-custody forms included in **Attachment 1**. Sample bottles were packaged according to the sampling guidance.

3.2 Summary of Sampling Event

Matrix conducted sampling of the Facility on November 4, 2022. Matrix collected samples according to the approved Sampling Plan.

Matrix collected primary and flush samples for all 14 fixtures. Each sample was identified using the fixture ID plus "P" or "F" for primary or flush.

(Building) - (Floor) - (Room # or Name) - (Fixture Type and Location) - (Primary/Flush)

A comprehensive list of the fixtures sampled and the sample results is included in Table 4.1. A facility map indicating the fixture locations is included in **Appendix A**.



3.3 Laboratory Analysis

Samples collected by Matrix were submitted to Waypoint Analytical (Waypoint). Waypoint is certified by the LDH Office of Public Health as a chemical laboratory/drinking water, a laboratory meeting the requirements contained within the laboratory certification regulations (LAC 48:V.Chapter 80). Waypoint analyzed the samples for lead using the EPA Method 200.8 and a Reporting Limit of 0.500 micrograms per liter (µg/L).



4.0 SAMPLE RESULTS

Matrix received the final laboratory analytical report on November 11, 2022. Matrix reviewed the results and determined a notification to the School and LDH within 24 hours was not required as none of the results exceeded the lead action level, 15 ppb (15 μ g/L). A summary of the results is included in Table 4.1 below. Discussions of recommended remediation are in Sections 5.0 and 6.0.

Sample results were reported by the lab in micrograms per liter (µg/L) which is equivalent to parts per billion (ppb).

A facility map indicating the fixture locations is included in **Appendix A**, and a list of codes and abbreviations used in the fixture and sample IDs is included in **Appendix B**.

TABLE 4.1 SAMPLE RESULTS

Fixture ID	Location	Fixture Type	Primary Sample (ppb)	Flush Sample (ppb)
1-1-KIT-KF(L)	Kitchen	Faucet	1.69	<0.500
1-1-KIT-KF(S)	Kitchen	Faucet	<0.500	<0.500
1-1-KIT-KF(R)	Kitchen	Faucet	<0.500	<0.500
1-1-ENT-F	Entrance Hallway	Faucet	6.19	<0.500
1-1-109bath-BF	Bathroom 109	Faucet	0.501	<0.500
1-1-HAL(by118)-WD	Hallway (by Classroom 118)	Water Dispenser	<0.500	<0.500
1-1-118(Tod1)-CF	Toddler 1's Classroom 118	Faucet	<0.500	<0.500
1-1-116bath-BF	Bathroom 116	Faucet	0.881	<0.500
1-1-120bath-BF	Bathroom 120	Faucet	2.16	<0.500
1-1-HAL(by123)-WD	Hallway (by Classroom 123)	Water Dispenser	<0.500	<0.500
1-1-123(Tod2)-CF	Toddler 2's Classroom 123	Faucet	1.04	<0.500
1-1-130bath-BF	Bathroom 130	Faucet	2.64	0.827
1-1-129(Inf)-CF	Infant Classroom 129	Faucet	<0.500	<0.500
1-1-129(Inf)-WD	Infant Classroom 129	Water Dispenser	<0.500	<0.500



5.0 REMEDIATION AND RESAMPLING

As indicated in Table 5.1 below, none of the samples collected from the fixtures at the School were greater than the lead action level, 15 ppb (15 μ g/L).

TABLE 5.1 Fixtures over the lead action level (15 ppb)

Photo No.	Fixture ID	Primary Sample (ppb)	Flush Sample (ppb)	Recommended Remediation	Follow-Up Sampling
				NONE	

As a condition of the WIIN Grant Program, each state's lead testing program was required to establish a program remediation trigger. LDH set a trigger of 10 ppb (10 μ g/L). As indicated in Table 5.2 below, none of the samples collected from the fixtures at the Facility were greater than the program remediation trigger, 10 ppb (10 μ g/L).

TABLE 5.2 Fixtures over the program remediation trigger (10 ppb)

Photo No.	Fixture ID	Primary Sample (ppb)	Flush Sample (ppb)	Recommended Remediation	Follow- Up Sampling
				NONE	

Note: Includes only fixtures with sample results greater than 10 ppb, but not greater than 15 ppb.



6.0 OTHER RECOMMENDATIONS

Although none of the fixtures sampled at the Facility are recommended for remediation or follow-up sampling, LDH encourages the facility to implement the practices outlined in the following sections to reduce exposure to elevated lead levels and other environmental hazards (e.g. bacteria).

6.1 Implement Routine Practices

Please be aware that there are many factors that contribute to lead levels in drinking water (i.e., plumbing materials, water temperature, water quality, frequency of water usage and stagnation, etc.). Because of this, lead levels may fluctuate over time. To reduce exposure to elevated lead levels and other drinking water contaminants, it is recommended that schools and child care facilities establish routine practices in accordance with Module 6 of the EPA 3Ts for Reducing Lead in Drinking Water Manual (see "Establishing Routine Practices" beginning on page 48, https://www.epa.gov/system/files/documents/2021-07/epa-3ts-guidance-document-english.pdf, or found in Attachment 2).

LDH encourages the School to implement the 3Ts Routine Practices for the fixture listed in Table 6.1 below. This fixture had a primary and/or flush sample result greater than 5 ppb, but not greater than the lead action level (15 ppb) or the program remediation trigger (10 ppb). **Appendix C** includes photo identification for the fixture listed in Table 6.1.

TABLE 6.1 Fixtures greater than 5 ppb

Photo No.	Fixture ID	Location	Fixture Type	Primary Sample (ppb)	Flush Sample (ppb)
1	1-1-ENT-F	Entrance Hallway Sink	Faucet	6.19	<0.500

Note: Includes only fixtures with sample results greater than 5 ppb, but not greater than 10 ppb.



7.0 CONCLUSIONS

In accordance with EPA's 3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities and under the direction of the Louisiana Department of Health, Matrix assessed and sampled the sources of drinking water used for consumption by children at the Facility in order to determine the concentration of lead in drinking water. The Facility did not contain any fixtures banned by EPA.

Matrix collected 28 water samples from 14 fixtures at the Facility which were analyzed according to sampling guidelines. The Facility did not have any fixtures that exceeded the Lead Action Level (15 ppb) or the Louisiana program remediation trigger (10 ppb).

However, given the physical and behavioral effects of lead and the vulnerability of young children to lead, LDH recommends the Facility implement routine practices as outlined in Module 6 of the 3Ts manual.

Through voluntary participation in the WIIN Grant Lead Testing Program, the Facility should now have a better understanding of the potential presence and concentration of lead in drinking water. The recommendations and resources included in this report provide the tools needed to take action and implement practices to reduce lead exposure through drinking water.



8.0 ADDITIONAL INFORMATION AND RESOURCES

The following links contain additional information and resources regarding lead in drinking water:

- EPA's 3Ts for Reducing Lead in Drinking Water https://www.epa.gov/ground-water-and-drinking-water
- The 3Ts Revised Manual https://www.epa.gov/system/files/documents/2021-07/epa-3ts-guidance-document-english.pdf
- Learn About Lead https://www.epa.gov/lead/learn-about-lead
- Childhood Lead Poisoning Prevention Program https://www.cdc.gov/nceh/lead/
- Basic Information about Lead in Drinking Water https://www.epa.gov/ground-water-and-drinking-water
 water/basic-information-about-lead-drinking-water
- Lead in Drinking Water https://www.cdc.gov/nceh/lead/prevention/sources/water.htm



9.0 SIGNATURES

Dawn M. Brown

Director of Waste Services Matrix New World Engineering November 14, 2022

Date

Linda M. McConnell

November 14, 2022

Linda M. McConnell, PE PE 20434 Louisiana

Matrix New World Engineering

Date



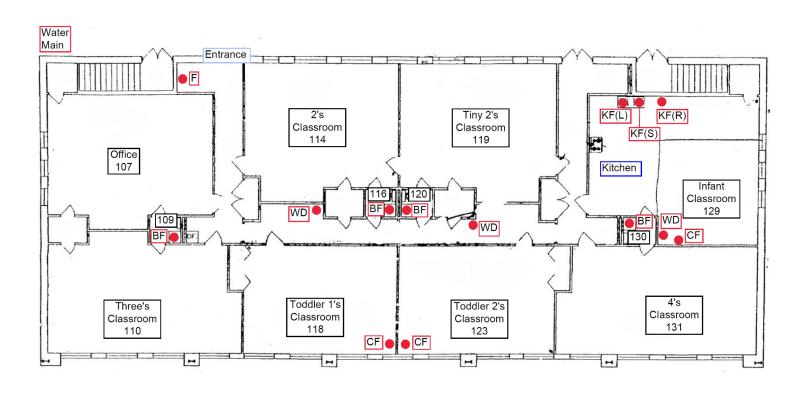
APPENDIX A

FACILITY MAP



Map 1 of 1

Facility Layout





APPENDIX B ID CODES AND ABBREVIATIONS



Fixture ID Naming

(Building) – (Floor) – (Room# or Name) – (Fixture Type and location) – (Primary or Flush)

Room Name Codes

Kitchen	KIT	Hallway	HAL	
Bathroom	BATH	Office	OFF	
Cafeteria	CAF	Exterior	EXT	
Locker room	LR	Teacher's Lounge	TEA	
Gymnasium	GYM	Entryway	ENT	
Nurse or Nursery	NUR	Concessions	CON	
Infant Classroom	INF	Toddler Classroom	TOD	

Fixture Type Codes

Water Cooler Fountain	WC	Bubbler	BU
Faucet (not listed otherwise)	F	Sink Bubbler	SB
Classroom Faucet (sink)	CF	Kitchen Faucet (sink)	KF
Bathroom Faucet (sink)	BF	Nurse's Office Faucet/Sink	NF
Janitor Closet Faucet/Sink	JF	Kitchen Pot Filler	PF
Ice Machine	IM	Shower Head	SH
Water Dispenser	WD	Bottle Filler	BTL
Portable Sink	PS		

Fixture Location

Left	L	Middle Left	ML
Right	R	Middle Right	MR
Middle	M		

Primary or Flush

Primary- The first water to exit the fixture to fill the first sample bottle	P
Flush- Sample following the 30 second flush	F



APPENDIX C FIXTURE IDENTIFICATION PHOTO



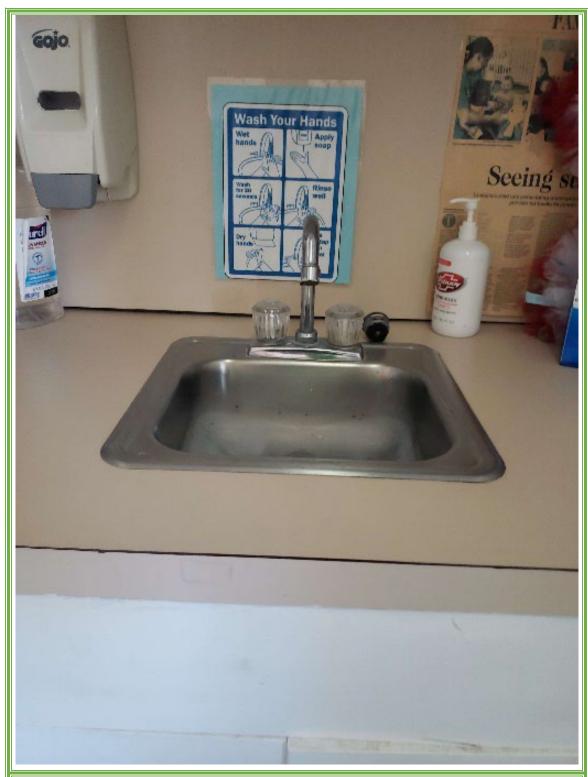


Photo 1

Fixture ID: 1-1-ENT-F Fixture Type: Faucet

Recommendation: Implement the 3T's



ATTACHMENT 1 ANALYTICAL LABORATORY REPORTS



Matrix New World Engineering Ms. Dawn Brown 2798 O'Neal Lane, Building F Baton Rouge, LA, 70818

Ref: Report Number: 22-308-0041

Project Description: Ship's Ahoy Children's Academy

Dear Ms. Dawn Brown:

Waypoint Analytical Louisiana, Inc. received sample(s) on 11/4/2022 for the analyses presented in the following report. The above referenced project has been analyzed per your instructions. Unless otherwise noted, the analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance. Analyses reported which indicate "Field" for these parameters were analyzed by the client in the field. Results for solid samples are reported on an as received or "wet weight" basis unless otherwise specified.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

All quality control measures undertaken in accordance with Waypoint Analytical Louisiana, Inc.

CompQAP990807A and revisions under the terms of the Louisiana Environmental Laboratory Accreditation

Program (Certificate #02041) are within acceptance ranges established in that document with the exception of the items indicated and/or discussed in a Case Narrative.

The results are shown on the attached analysis sheet(s). Be aware that the time analyzed for certain samples (e.g. - BOD, CBOD, etc.) refer to the time the sample batch was begun and not necessarily to the time an individual sample was begun. Thank you for allowing Waypoint Analytical Louisiana, Inc. to serve you. Should I be of further assistance, if you have any questions or need additional information please contact me or client services.

Sincerely,

Amy Jackson Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis. This report may be reproduced in full only with the written permission of the laboratory and/or the entity to which it is addressed. Results contained herein relate only to the sample(s) submitted to the laboratory.





Certification Summary

Laboratory ID: WP MLA: Waypoint Analytical Louisiana, Inc., Marrero, LA

State	Program	Lab ID	Expiration Date
Georgia	State Program	02041	06/30/2023
Louisiana	State Program - NELAP	02041	06/30/2023

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date
Alabama	State Program	40750	02/28/2023
Arkansas	State Program	88-0650	02/07/2023
California	State Program	2904	06/30/2023
Florida	State Program - NELAP	E871157	06/30/2023
Georgia	State Program	C044	02/18/2023
Georgia	State Program	04015	06/30/2023
Illinois	State Program - NELAP	200078	10/10/2023
Kentucky	State Program	80215	06/30/2023
Kentucky	State Program	KY90047	12/31/2022
Louisiana	State Program - NELAP	LA037	12/31/2022
Louisiana	State Program - NELAP	04015	06/30/2023
Mississippi	State Program	MS	02/11/2023
North Carolina	State Program	47701	07/31/2023
North Carolina	State Program	415	12/31/2022
Pennsylvania	State Program - NELAP	68-03195	05/31/2023
South Carolina	State Program	84002	06/30/2023
Tennessee	State Program	02027	02/11/2023
Texas	State Program - NELAP	T104704180	09/30/2022
Virginia	State Program	00106	06/30/2023
Virginia	State Program - NELAP	460181	09/14/2023

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Sample Summary Table

Report Number: 22-308-0041

Client Project Description: Ship's Ahoy Children's Academy

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
78989	1-1-KIT-KF(L)-P	Aqueous	11/04/2022 06:32	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78990	1-1-KIT-KS(S)-P	Aqueous	11/04/2022 06:33	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78991	1-1-KIT-KF(R)-P	Aqueous	11/04/2022 06:34	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78992	1-1ENT-F-P	Aqueous	11/04/2022 06:36	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78993	1-1-109bath-BF-P	Aqueous	11/04/2022 06:39	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78994	1-1-HAL(by118)-WD-P	Aqueous	11/04/2022 06:40	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78995	1-1-118(Tod1)-CF-P	Aqueous	11/04/2022 06:41	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78996	1-1-116bath-BF-P	Aqueous	11/04/2022 06:43	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78997	1-1-120bath-BF-P	Aqueous	11/04/2022 06:45	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78998	1-1-HAL(by123)-WD-P	Aqueous	11/04/2022 06:46	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
78999	1-1-123(Tod2)-CF-P	Aqueous	11/04/2022 06:48	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79000	1-1-130bath-BF-P	Aqueous	11/04/2022 06:49	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79001	1-1-129(Inf)-CF-P	Aqueous	11/04/2022 06:50	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79002	1-1-129(Inf)-WD-P	Aqueous	11/04/2022 06:51	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN



Summary of Detected Analytes

Project: Ship's Ahoy Children's Academy

Report Number: 22-308-0041

Client Sample ID	Lab Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
1-1-KIT-KF(L)-P	A 78989					
EPA-200.8 (DW)	Lead	1.69	μg/L	0.500	11/10/2022 13:25	
1-1ENT-F-P	A 78992					
EPA-200.8 (DW)	Lead	6.19	μg/L	0.500	11/10/2022 13:30	
1-1-109bath-BF-P	A 78993					
EPA-200.8 (DW)	Lead	0.501	μg/L	0.500	11/10/2022 13:32	
1-1-116bath-BF-P	A 78996					
EPA-200.8 (DW)	Lead	0.881	μg/L	0.500	11/10/2022 13:38	
1-1-120bath-BF-P	A 78997					
EPA-200.8 (DW)	Lead	2.16	μg/L	0.500	11/10/2022 13:39	
1-1-123(Tod2)-CF-F	A 78999					
EPA-200.8 (DW)	Lead	1.04	μg/L	0.500	11/10/2022 13:48	
1-1-130bath-BF-P	A 79000					
EPA-200.8 (DW)	Lead	2.64	μg/L	0.500	11/10/2022 13:50	



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0041 Report Date: 11/11/2022

Sample Results

Date Collected 11/04/2022 06:32 **WPA Lab No** 78989 1-1-KIT-KF(L)-P

> **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:25:21	BKN	L648364

CAS# **Parameter** Result MQL Units 7439-92-1 1.69 0.500 Lead μg/L

Date Collected 11/04/2022 06:33 **WPA Lab No** 78990 1-1-KIT-KS(S)-P

> **Date Received** 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:27:09	BKN	L648364

Units CAS# **Parameter** Result MQL 7439-92-1 Lead ND 0.500 μg/L

Date Collected 11/04/2022 06:34 **WPA Lab No** 78991 1-1-KIT-KF(R)-P **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

	Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
l	11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:28:58	BKN	L648364

CAS# **Parameter** Result MQL Units 7439-92-1 Lead ND 0.500 μg/L

Qualifiers/ **Definitions**

Estimated value J

Method Quantitation Limit MQL

MDL Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project Ship's Ahoy Children's Academy Information:

Report Number: 22-308-0041 Report Date: 11/11/2022

Sample Results

Date Collected 11/04/2022 06:36 **WPA Lab No** 78992 1-1ENT-F-P

> **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date Dilution Analysis Date Prep Batch **Prep Method** Sample **Analytical Batch** By 11/10/2022 11:14 L648148 EPA-200.8 50 mL L648364 11/10/2022 13:30:47 BKN

CAS# **Parameter** Result MQL Units 7439-92-1 6.19 0.500 Lead μg/L

Date Collected 11/04/2022 06:39 **WPA Lab No** 78993 1-1-109bath-BF-P

> **Date Received** 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date Prep Method Dilution Analysis Date Prep Batch Sample By **Analytical Batch** 11/10/2022 11:14 L648148 EPA-200.8 50 mL L648364 11/10/2022 13:32:36 BKN 1

Units CAS# **Parameter** Result MQL 7439-92-1 Lead 0.501 0.500 μg/L

Date Collected 11/04/2022 06:40 **WPA Lab No** 78994 1-1-HAL(by118)-WD-P

> **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date Prep Batch Prep Method Sample **Dilution Analysis Date** By **Analytical Batch** 50 mL 11/10/2022 11:14 L648148 EPA-200.8 1 11/10/2022 13:34:25 BKN L648364

CAS# **Parameter** Result **MQL** Units 7439-92-1 Lead ND 0.500 μg/L

Qualifiers/ **Definitions**

J Estimated value

MQL Method Quantitation Limit MDL Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0041 **Report Date:** 11/11/2022

Sample Results

1-1-118(Tod1)-CF-P Date Collected 11/04/2022 06:41 WPA Lab No 78995

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:36:15	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:38:05	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 0.881
 0.500
 μg/L

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:39:55	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 2.16
 0.500
 μg/L

Qualifiers/ Definitions

J Estimated value

MQL Method Quantitation Limit

MDL

Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0041 Report Date: 11/11/2022

Sample Results

Date Collected 11/04/2022 06:46 **WPA Lab No** 78998 1-1-HAL(by123)-WD-P

> **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date Dilution Analysis Date Prep Batch **Prep Method** Sample **Analytical Batch** By 11/10/2022 11:14 L648148 EPA-200.8 50 mL L648364 11/10/2022 13:41:46 BKN

CAS# **Parameter** Result MQL Units 7439-92-1 0.500 Lead ND μg/L

Date Collected 11/04/2022 06:48 **WPA Lab No** 78999 1-1-123(Tod2)-CF-P

> **Date Received** 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date Prep Method Dilution Analysis Date Prep Batch Sample **Analytical Batch** 11/10/2022 11:14 L648148 EPA-200.8 50 mL L648364 11/10/2022 13:48:21 BKN 1

Units CAS# **Parameter** Result MQL 7439-92-1 Lead 1.04 0.500 μg/L

Date Collected 11/04/2022 06:49 **WPA Lab No** 79000 1-1-130bath-BF-P

Date Received 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date Prep Batch Prep Method Sample **Dilution Analysis Date** By **Analytical Batch** 50 mL 11/10/2022 11:14 L648148 EPA-200.8 1 11/10/2022 13:50:10 BKN L648364

CAS# **Parameter** Result **MQL** Units 7439-92-1 Lead 2.64 0.500 μg/L

Qualifiers/ **Definitions**

J Estimated value

MQL Method Quantitation Limit MDL Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project St

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0041 **Report Date:** 11/11/2022

Sample Results

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

l	Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
l	11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:51:59	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

1-1-129(Inf)-WD-P Date Collected 11/04/2022 06:51 WPA Lab No 79002

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:53:48	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 µg/L

Qualifiers/ Definitions

J Estimated value
MQL Method Quantitation Limit

MDL

Method Detection Limit



Quality Control Data

Client ID: Matrix New World Engineering
Project Description: Ship's Ahoy Children's Academy

Report No: 22-308-0041

QC Prep: L648148 **QC Analytical Batch(es):** L648364

QC Prep Batch Method: EPA-200.8 Analysis Method: EPA-200.8 (DW)

Analysis Description: Metals Analyses

Lab Reagent Blank LRB-L648148 Matrix: AQU

Associated Lab Samples: 78989, 78990, 78991, 78992, 78993, 78994, 78995, 78996, 78997, 78998, 78999, 79000, 79001, 79002

 Parameter
 Units
 Blank Result
 MQL
 Analyzed

 Lead
 μg/L
 < 0.500</td>
 0.500
 11/10/22 13:22

Laboratory Control Sample LCS-L648148

 Parameter
 Units
 Spike Conc.
 LCS Result
 LCS %Rec Limits

 Lead
 μg/L 50.0
 49.9
 100
 85-115

Matrix Spike & Matrix Spike DuplicateA 79008-MS-L648148A 79008-MSD-L648148

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	μg/L	< 0.505	50.5	50.5	49.3	49.6	98.0	98.0	70-130	0.6	20.0

Date: 11/11/2022 11:24 AM

Page 10 of 13



Shipment Receipt Form

Customer Number: 01312

Customer Name: Matrix New World Engineering

Signature: Brandi Hidalgo

Report Number: 22-308-0041

Shipping Method

◯ Fed Ex	US Postal	Lab	Other:	
UPS	Client	Courier	Thermometer ID:	
Shipping contain	ner/cooler uncomprom	nised?	∕es	
Number of coole	ers/boxes received		1	
Custody seals in	tact on shipping conta	ainer/cooler?	res No	Not Present
Custody seals in	tact on sample bottle	s? \(\)\	/es ONo	Not Present
Chain of Custod	y (COC) present?	()	∕es	
COC agrees with	h sample label(s)?	• '	res No	
COC properly co	ompleted	()	res No	
Samples in prop	er containers?	()	∕es	
Sample containe	ers intact?	()	∕es	
Sufficient sample	e volume for indicated	I test(s)?	∕es	
All samples rece	eived within holding tin	ne?	∕es	
Cooler temperat	ure in compliance?	• '	∕es	
	arrived at the laborate onsidered acceptable gun.		∕es	
Water - Sample	containers properly p	reserved 💿 🕥	/es	○ N/A
Water - VOA via	ls free of headspace	\bigcirc '	∕es	● N/A
Trip Blanks rece	ived with VOAs	\bigcirc '	∕es	● N/A
Soil VOA method	d 5035 – compliance	criteria met Y	es No	● N/A
High concent	tration container (48 h	r)	Low concentration En	Core samplers (48 hr)
High concent	ration pre-weighed (m	nethanol -14 d)	Low conc pre-weighed	l vials (Sod Bis -14 d)
Special precaution	ons or instructions inc	luded?	res No	
Comments:				

Page 11 of 13

Date & Time: 11/04/2022 11:50:00



Kit ID: 194471 **Initiated By: Amy Jackson** Initiated Date: 10/26/2022 **Project Comment**

CHAIN-OF-CUSTODY

Ship's Ahoy Children's Academy

22-308-0041 01312 11-04-2022

18:49:28

Company	Name		Company Number		Client	Project I	Manager/Contact		Purchase	Order Number	
Matrix New	/ World Engin	eering	01312		Ms. Dav	n Brow	n				
Site Name	nip's Ahoy Children's Academy		Project Number		RUSH – Additional charges apply Special Detection Limits(s) Date Results Needed				Method of Shipment Fed Ex UPS USPS Courier Client Drop Off Other		
LIMS Proje	ect ID		Project Manager Phon	e #	Project	Manag	er Email		Site/Facil	lity ID #	
			225-292-3271		dbrown	@mnwe	e.com				
Date	Time		Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Pres	ervation	Analyses	
11/4/22	6:32	1-1-KIT-KF	(L)-P 78989	Aqueous		1	Plastic - 250ml	HNO3 - Nitric Acid		200.8 - Lead in DW	
	6:33		(S)-P 78990	Aqueous		1	Plastic - 250ml	75.00.00	3 - Nitric Acid	200.8 - Lead in DW	
	6:34		(R)-P 78991	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW	
	6:36	1-1-ENT-F	P 78992	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW	
	6:30	1-1-109ba	th-BF-P 78993	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW	
	6190		y118)-WD-P 78994	Aqueous		1	Plastic - 250ml	50000	3 - Nitric Acid	200.8 - Lead in DW	
	641		od1)-CF-P 78995	Aqueous		1	Plastic - 250ml	100000000000000000000000000000000000000	3 - Nitric Acid	200.8 - Lead in DW	
1	6:43	1-1-116ba		Aqueous		1	Plastic - 250ml	I N C I O F V S S S	3 - Nitric Acid	200.8 - Lead in DW	

For Laborato	ory Use Only	Sampled by (Name - Print)	Client Remarks/Comments		
Custody	Lab Comments	Tristansingletary	12		
Seals		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Y/N		17 6 m	11/4/22 8:50	P. Howard	11/4 0850
		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
oler Temp		P. Heward	11/4 1150	Brandi Hidalgo	11-4-22
bient		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
	Custody Seals Y/N	Seals Y/N	Custody Seals Y/N Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE)	Custody Seals Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE) Date Time Relinquished by: (SIGNATURE) Date Time	Custody Seals Y/N Relinquished by: (SIGNATURE) Relinquished by: (SIGNATURE) Date Time Received by: (SIGNATURE) Relinquished by: (SIGNATURE) Date Time Received by: (SIGNATURE) Oler Temp



Kit ID:	194471	
Initiated By:	Amy Jackson	
Initiated Date:	10/26/2022	
Project Comme	ent	

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Company Name		Company Number		Client Project Manager/Contact				Purchase Order Number		
Matrix New World Engineering C			01312		Ms. Dawn Brown					
Site Name Project Number Ship's Ahoy Children's Academy				RUSH – Additional charges apply Special Detection Limits(s) Date Results Needed				Method of Shipment Fed Ex UPS USPS Courier Client Drop Off Other		
LIMS Projec	ct ID		Project Manager Phone	#	Project	Manag	er Email		Site/Faci	lity ID #
			225-292-3271		dbrown	@mnwe	e.com			
Date	Time		Sample ID	Matrix	Grab/ Comp	Container Type		Pres	ervation	Analyses
11/4/22	6145	1-1-120ba	ath-BF-P 18997	Aqueous		1	Plastic - 250ml	1187520.0025	3 - Nitric Acid	200.8 - Lead in DW
	6:46	1-1-HAL(t	0y123)-WD-P-78998	Aqueous		1	Plastic - 250ml	HNO3 - Nitric Acid		200.8 - Lead in DW
	6:48	1-1-123(T	od2)-CF-P 78999	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW
	6:49	1-1-130ba	1-1-130bath-BF-P 79000			1	Plastic - 250ml	HNO3 - Nitric Acid		200.8 - Lead in DW
	G:50	1-1-129(1	1-1-129(Inf)-CF-P 79001			1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW
	6:51	1-1-129(1	nf)-WD-P 79002	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW

	For Laborato	ry Use Only	Sampled by (Name - Print)	Client Remarks/Comments		
Ice	Custody	Lab Comments	Tristan singletary			
	Seals		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Y/W	Y/N		(why	11/1/22 8:50	P. Howard	11/4 0850
			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Blank/Co	oler Temp		P. Howard	11/4 1150	Brandi Hidalgo	11-4-22
A	mbient		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURÉ)	Date Time



Matrix New World Engineering Ms. Dawn Brown 2798 O'Neal Lane, Building F Baton Rouge, LA, 70818

Ref: Report Number: 22-308-0042

Project Description: Ship's Ahoy Children's Academy

Dear Ms. Dawn Brown:

Waypoint Analytical Louisiana, Inc. received sample(s) on 11/4/2022 for the analyses presented in the following report. The above referenced project has been analyzed per your instructions. Unless otherwise noted, the analyses were performed in our laboratory in accordance with Standard Methods, The Solid Waste Manual SW-846, EPA Methods for Chemical Analysis of Water and Wastes and /or 40 CFR part 136.

Certain parameters (chlorine, pH, dissolved oxygen, sulfite...) are required to be analyzed within 15 minutes of sampling. Usually, but not always, any field parameter analyzed at the laboratory is outside of this holding time. Refer to sample analysis time for confirmation of holding time compliance. Analyses reported which indicate "Field" for these parameters were analyzed by the client in the field. Results for solid samples are reported on an as received or "wet weight" basis unless otherwise specified.

The analytical data has been validated using standard quality control measures performed as required by the analytical method. Quality Assurance, method validations, instrumentation maintenance and calibration for all parameters (NELAP and non-NELAP) were performed in accordance with guidelines established by the USEPA (including 40 CFR 136 Method Update Rule May 2021) and NELAC unless otherwise indicated. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for. Additional certifications may be held/are available for parameters, where NELAP accreditation is not required or applicable. A full list of certifications is available upon request.

All quality control measures undertaken in accordance with Waypoint Analytical Louisiana, Inc.

CompQAP990807A and revisions under the terms of the Louisiana Environmental Laboratory Accreditation

Program (Certificate #02041) are within acceptance ranges established in that document with the exception of the items indicated and/or discussed in a Case Narrative.

The results are shown on the attached analysis sheet(s). Be aware that the time analyzed for certain samples (e.g. - BOD, CBOD, etc.) refer to the time the sample batch was begun and not necessarily to the time an individual sample was begun. Thank you for allowing Waypoint Analytical Louisiana, Inc. to serve you. Should I be of further assistance, if you have any questions or need additional information please contact me or client services.

Sincerely,

Amy Jackson Project Manager

Laboratory's liability in any claim relating to analyses performed shall be limited to, at laboratory's option, repeating the analysis in question at laboratory's expense, or the refund of the charges paid for performance of said analysis. This report may be reproduced in full only with the written permission of the laboratory and/or the entity to which it is addressed. Results contained herein relate only to the sample(s) submitted to the laboratory.





Certification Summary

Laboratory ID: WP MLA: Waypoint Analytical Louisiana, Inc., Marrero, LA

State	Program	Lab ID	Expiration Date
Georgia	State Program	02041	06/30/2023
Louisiana	State Program - NELAP	02041	06/30/2023

Laboratory ID: WP MTN: Waypoint Analytical, LLC., Memphis, TN

State	Program	Lab ID	Expiration Date		
Alabama	State Program	40750	02/28/2023		
Arkansas	State Program	88-0650	02/07/2023		
California	State Program	2904	06/30/2023		
Florida	State Program - NELAP	E871157	06/30/2023		
Georgia	State Program	C044	02/18/2023		
Georgia	State Program	04015	06/30/2023		
Illinois	State Program - NELAP	200078	10/10/2023		
Kentucky	State Program	80215	06/30/2023		
Kentucky	State Program	KY90047	12/31/2022		
Louisiana	State Program - NELAP	LA037	12/31/2022		
Louisiana	State Program - NELAP	04015	06/30/2023		
Mississippi	State Program	MS	02/11/2023		
North Carolina	State Program	47701	07/31/2023		
North Carolina	State Program	415	12/31/2022		
Pennsylvania	State Program - NELAP	68-03195	05/31/2023		
South Carolina	State Program	84002	06/30/2023		
Tennessee	State Program	02027	02/11/2023		
Texas	State Program - NELAP	T104704180	09/30/2022		
Virginia	State Program	00106	06/30/2023		
Virginia	State Program - NELAP	460181	09/14/2023		

Page 1 of 1 00007/22-308-0042



Sample Summary Table

Report Number: 22-308-0042

Client Project Description: Ship's Ahoy Children's Academy

Lab No	Client Sample ID	Matrix	Date Collected	Date Received	Method	Lab ID
79003	1-1-KIT-KF(L)-F	Aqueous	11/04/2022 06:33	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79004	1-1-KIT-KF(S)-F	Aqueous	11/04/2022 06:34	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79005	1-1-KIT-KF(R)-F	Aqueous	11/04/2022 06:35	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79006	1-1-ENT-F-F	Aqueous	11/04/2022 06:37	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79007	1-1-109bath-BF-F	Aqueous	11/04/2022 06:40	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79008	1-1-HAL(by118)-WD-F	Aqueous	11/04/2022 06:41	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79009	1-1-118(Tod1)-CF-F	Aqueous	11/04/2022 06:42	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79010	1-1-116bath-BF-F	Aqueous	11/04/2022 06:44	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79011	1-1-120bath-BF-F	Aqueous	11/04/2022 06:46	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79012	1-1-HAL(by123)-WD-F	Aqueous	11/04/2022 06:47	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79013	1-1-123(Tod2)-CF-F	Aqueous	11/04/2022 06:49	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79014	1-1-130bath-BF-F	Aqueous	11/04/2022 06:50	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79015	1-1-129(Inf)-CF-F	Aqueous	11/04/2022 06:51	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN
79016	1-1-129(Inf)-WD-F	Aqueous	11/04/2022 06:52	11/04/2022 11:50	EPA-200.8 (DW)	WP MTN



Summary of Detected Analytes

Project: Ship's Ahoy Children's Academy

Report Number: 22-308-0042

Client Sample ID	Lab Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
1-1-130bath-BF-F	A 79014					
EPA-200.8 (DW)	Lead	0.827	μg/L	0.500	11/10/2022 14:27	



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project Information: Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0042 **Report Date:** 11/11/2022

Sample Results

1-1-KIT-KF(L)-F Date Collected 11/04/2022 06:33 WPA Lab No 79003

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:55:37	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

1-1-KIT-KF(S)-F Date Collected 11/04/2022 06:34 WPA Lab No 79004

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:57:26	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

1-1-KIT-KF(R)-F Date Collected11/04/2022 06:35 **WPA Lab No** 79005 **Date Received**11/04/2022 11:50 **Matrix**Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 13:59:16	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

Qualifiers/ Definitions

J Estimated value

MQL Method Quantitation Limit

MDL Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0042 Report Date: 11/11/2022

Sample Results

Date Collected 11/04/2022 06:37 **WPA Lab No** 79006 1-1-ENT-F-F

> **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 14:01:05	BKN	L648364

CAS# **Parameter** Result MQL Units 7439-92-1 0.500 Lead ND μg/L

Date Collected 11/04/2022 06:40 **WPA Lab No** 79007 1-1-109bath-BF-F

> **Date Received** 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 14:02:56	BKN	L648364

CAS# Units **Parameter** Result MQL 7439-92-1 Lead ND 0.500 μg/L

Date Collected 11/04/2022 06:41 **WPA Lab No** 79008 1-1-HAL(by118)-WD-F

Date Received 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648148	EPA-200.8	50 mL	1	11/10/2022 14:04:46	BKN	L648364

CAS# **Parameter** Result MQL Units 7439-92-1 Lead ND 0.500 μg/L

Qualifiers/ **Definitions**

Estimated value J

MQL Method Quantitation Limit MDL Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0042 Report Date: 11/11/2022

Sample Results

1-1-118(Tod1)-CF-F **Date Collected** 11/04/2022 06:42 **WPA Lab No** 79009

> **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648149	EPA-200.8	50 mL	1	11/10/2022 14:18:39	BKN	L648364

CAS# **Parameter** Result MQL Units 7439-92-1 0.500 Lead ND μg/L

Date Collected 11/04/2022 06:44 **WPA Lab No** 79010 1-1-116bath-BF-F

> **Date Received** 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648149	EPA-200.8	50 mL	1	11/10/2022 14:20:28	BKN	L648364

Units CAS# **Parameter** Result MQL 7439-92-1 Lead ND 0.500 μg/L

Date Collected 11/04/2022 06:46 **WPA Lab No** 79011 1-1-120bath-BF-F **Date Received** 11/04/2022 11:50 Matrix Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648149	EPA-200.8	50 mL	1	11/10/2022 14:22:18	BKN	L648364

CAS# **Parameter** Result MQL Units 7439-92-1 Lead ND 0.500 μg/L

Qualifiers/ **Definitions**

Estimated value J

MQL Method Quantitation Limit MDL Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project Information Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0042 **Report Date:** 11/11/2022

Sample Results

1-1-HAL(by123)-WD-F Date Collected 11/04/2022 06:47 WPA Lab No 79012

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

 Prep Date
 Prep Batch
 Prep Method
 Sample
 Dilution
 Analysis Date
 By
 Analytical Batch

 11/10/2022 11:14
 L648149
 EPA-200.8
 50 mL
 1
 11/10/2022 14:24:08
 BKN
 L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

1-1-123(Tod2)-CF-F Date Collected 11/04/2022 06:49 WPA Lab No 79013

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

 Prep Date
 Prep Batch
 Prep Method
 Sample
 Dilution
 Analysis Date
 By
 Analytical Batch

 11/10/2022 11:14
 L648149
 EPA-200.8
 50 mL
 1
 11/10/2022 14:25:58
 BKN
 L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

1-1-130bath-BF-F Date Collected 11/04/2022 06:50 **WPA Lab No** 79014

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

 Prep Date
 Prep Batch
 Prep Method
 Sample
 Dilution
 Analysis Date
 By
 Analytical Batch

 11/10/2022 11:14
 L648149
 EPA-200.8
 50 mL
 1
 11/10/2022 14:27:49
 BKN
 L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 0.827
 0.500
 μg/L

Qualifiers/ Definitions

J Estimated value

MQL Method Quantitation Limit

MDL Meth

Method Detection Limit



Ms. Dawn Brown

2798 O'Neal Lane, Building F Baton Rouge, LA 70818

Project

Ship's Ahoy Children's Academy

Information:

Report Number: 22-308-0042 **Report Date:** 11/11/2022

Sample Results

1-1-129(Inf)-CF-F Date Collected 11/04/2022 06:51 WPA Lab No 79015

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648149	EPA-200.8	50 mL	1	11/10/2022 14:34:26	BKN	L648364

 CAS#
 Parameter
 Result
 MQL
 Units

 7439-92-1
 Lead
 ND
 0.500
 μg/L

1-1-129(Inf)-WD-F Date Collected 11/04/2022 06:52 WPA Lab No 79016

Date Received 11/04/2022 11:50 **Matrix** Aqueous

EPA-200.8 (DW)

Prep Date	Prep Batch	Prep Method	Sample	Dilution	Analysis Date	Ву	Analytical Batch
11/10/2022 11:14	L648149	EPA-200.8	50 mL	1	11/10/2022 14:36:15	BKN	L648364

CAS#	Parameter	Result	MQL	Units
7439-92-1	Lead	ND	0.500	μg/L

Qualifiers/ Definitions

J Estimated value MQL Method Quantitation Limit MDL

Method Detection Limit



Quality Control Data

Client ID: Matrix New World Engineering
Project Description: Ship's Ahoy Children's Academy

Report No: 22-308-0042

QC Prep: L648148 **QC Analytical Batch(es):** L648364

QC Prep Batch Method: EPA-200.8 Analysis Method: EPA-200.8 (DW)

Analysis Description: Metals Analyses

Lab Reagent BlankLRB-L648148Matrix: AQU

Associated Lab Samples: 79003, 79004, 79005, 79006, 79007, 79008

 Parameter
 Units
 Blank Result
 MQL
 Analyzed

 Lead
 μg/L
 < 0.500</td>
 0.500
 11/10/22 13:22

Laboratory Control Sample LCS-L648148

 Parameter
 Units
 Spike Conc.
 LCS Result
 LCS %Rec Limits

 Lead
 μg/L 50.0
 49.9
 100
 85-115

Matrix Spike & Matrix Spike Duplicate A 79008-MS-L648148 A 79008-MSD-L648148

Parameter	Units	Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS %Rec	MSD %Rec	%Rec Limits	RPD	Max RPD
Lead	μg/L	< 0.505	50.5	50.5	49.3	49.6	98.0	98.0	70-130	0.6	20.0

Date: 11/11/2022 11:24 AM

Page 1 of 2



Quality Control Data

Client ID: Matrix New World Engineering
Project Description: Ship's Ahoy Children's Academy

Report No: 22-308-0042

QC Prep: L648149 **QC Analytical Batch(es):** L648364

QC Prep Batch Method: EPA-200.8 EPA-200.8 (DW)

Analysis Description: Metals Analyses

 Lab Reagent Blank
 LRB-L648149
 Matrix: AQU

Associated Lab Samples: 79009, 79010, 79011, 79012, 79013, 79014, 79015, 79016

Parameter Units Result MQL Analyzed

Lead $\mu g/L < 0.500$ 0.500 11/10/22 14:08

Laboratory Control Sample LCS-L648149

Parameter Units Spike LCS LCS %Rec % Rec Limits

Lead $\mu g/L$ 50.0 49.1 98.0 85-115

Matrix Spike & Matrix Spike Duplicate A 79028-MS-L648149 A 79028-MSD-L648149

MS Spike MSD **MS Result MSD** MS **MSD** %Rec Max **Parameter** Units Result Spike %Rec %Rec Limits RPD **RPD** Conc. Result Conc. Lead < 0.505 50.5 50.5 50.7 49.2 100 97.0 70-130 3.0 20.0 μg/L

Date: 11/11/2022 11:24 AM

Page 2 of 2



Shipment Receipt Form

Customer Number: 01312

Customer Name: Matrix New World Engineering

22-308-0042 Report Number:

Shipping Method

		•		
○ Fed Ex	US Postal	Lab	Other:	
UPS	Client	Courier	Thermometer ID:	
Shipping contain	ner/cooler uncompron	nised?	Yes	
Number of coole	ers/boxes received		1	
Custody seals ir	ntact on shipping cont	ainer/cooler?	Yes No	Not Present
Custody seals ir	ntact on sample bottle	s? O	Yes No	Not Present
Chain of Custod	y (COC) present?	O ,	Yes No	
COC agrees wit	h sample label(s)?	•	Yes No	
COC properly co	ompleted	•	Yes No	
Samples in prop	er containers?	•	Yes No	
Sample containe	ers intact?		Yes No	
Sufficient sampl	e volume for indicated	d test(s)?	Yes No	
All samples rece	eived within holding tir	ne?	Yes No	
Cooler temperat	ure in compliance?	O '	Yes No	
	arrived at the laborat onsidered acceptable gun.		Yes No	
Water - Sample	containers properly p	reserved •	Yes No	○ N/A
Water - VOA via	ls free of headspace	\bigcirc	Yes No	● N/A
Trip Blanks rece	eived with VOAs	\bigcirc	Yes No	● N/A
Soil VOA metho	d 5035 – compliance	criteria met 🔘 🗀	res No	● N/A
High concen	tration container (48 h	nr)	Low concentration En	Core samplers (48 hr)
High concent	tration pre-weighed (n	nethanol -14 d)	Low conc pre-weighed	vials (Sod Bis -14 d)
Special precauti	ons or instructions inc	cluded?	Yes No	
Comments:				

Page 12 of 14

Signature: Brandi Hidalgo

Date & Time: 11/04/2022 11:50:00



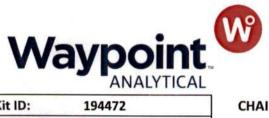
Kit ID:	194472	
Initiated By:	Amy Jackson	
Initiated Date:	10/26/2022	
Project Comme	ent	

CHAIN-OF-CUSTODY

Matrix New World Engineering Ship's Ahoy Children's Academy 22-308-0042 01312 11-04-2022 19:00:14

Company Name Company Nur		Company Number		Client	Project	Manager/Contact		Purchase	Order Number	
Matrix New	World Engine	eering	01312		Ms. Dav	vn Brow	n			
Ship's Ahoy Children's Academy				RUSH – Additional charges apply Special Detection Limits(s) Date Results Needed				Method of Shipment Fed Ex UPS USPS Courier Client Drop Off Other		
LIMS Proje	ct ID		Project Manager Phone	:#	Project	Manag	er Email		Site/Faci	ity ID #
			225-292-3271		dbrown	@mnwe	e.com			
Date	Time		Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Pres	ervation	Analyses
11/4/22	6133	1-1-KIT-K	F(L)-F 79003	Aqueous		1	Plastic - 250ml	LOS ARDESES	3 - Nitric Acid	200.8 - Lead in DW
	6139	1-1-KIT-KF		Aqueous		1	Plastic - 250ml	1,015,050,000	3 - Nitric Acid	200.8 - Lead in DW
	6135	1-1-KIT-KF	F(R)-F 79005	Aqueous		1	Plastic - 250ml	11/2/2001/2019	3 - Nitric Acid	200.8 - Lead in DW
	6:37	1-1-ENT-F	F 79006	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW
	6140	1-1-109ba	oth-BF-F 79007	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW
	6:91		y118)-WD-F 79008	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW
	6192		od1)-CF-F 79009	Aqueous		1	Plastic - 250ml	0.00	3 - Nitric Acid	200.8 - Lead in DW
1	6:44	1-1-116ba		Aqueous		1	Plastic - 250ml	100000000000000000000000000000000000000	3 - Nitric Acid	200.8 - Lead in DW

	For Laborator	ry Use Only	Sampled by (Name - Print)	Client Remark	Client Remarks/Comments						
Ice	Custody	Lab Comments	Tristan Singletary								
	Seals		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time					
YN	YAN		1 m hom	1141228150	P. Howard	11/4 0050					
			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time					
Blank/Co	ooler Temp		P. Howard	11/4 1150	Brandi Hidelas	11-4-22					
EMA	ient		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time					



Kit ID:	194472	
Initiated By:	Amy Jackson	
Initiated Date:	10/26/2022	
Project Comme	ent	

IN-O		

Company	Name		Company Number		Client	Project	Manager/Contact		Purchase	Order Number	
Matrix New	World Engin	eering	01312		Ms. Dav	vn Brow	'n				
Site Name Project Number Ship's Ahoy Children's Academy				RUSH – Additional charges apply Special Detection Limits(s) Date Results Needed				Method of Shipment Fed Ex UPS USPS Courier Client Drop Off Other			
LIMS Proje	ect ID		Project Manager Phone	:#	Project	Manag	ger Email		Site/Faci	lity ID #	
			225-292-3271		dbrown	@mnwe	e.com				
Date	Time		Sample ID	Matrix	Grab/ Comp	# of Cont	Container Type	Pres	ervation	Analyses	
11/4/22	6146	1-1-120b	ath-BF-F 79011	Aqueous		1	Plastic - 250ml		3 - Nitric Acid	200.8 - Lead in DW	
	6.97	1-1-HAL(I	by123)-WD-F 79012	Aqueous		1	Plastic - 250ml	9.333.33	3 - Nitric Acid	200.8 - Lead in DW	
	6:99	1-1-123(7	Tod2)-CF-F 79013	Aqueous		1	Plastic - 250ml	0.00000	3 - Nitric Acid	200.8 - Lead in DW	
	6:50	1-1-130b	[4]	Aqueous		1	Plastic - 250ml	(0.000,000	3 - Nitric Acid	200.8 - Lead in DW	
	6:51	1-1-129(1	nf)-CF-F 79015	Aqueous		1	Plastic - 250ml	(8000)103	3 - Nitric Acid	200.8 - Lead in DW	
	Gisz	1-1-129(1	nf)-WD-F 79016	Aqueous		1	Plastic - 250ml	(2.000.000	3 - Nitric Acid	200.8 - Lead in DW	

	For Laborator	y Use Only	Sampled by (Name - Print)	Client Remark	cs/Comments	
Ice	Custody	Lab Comments	Tristan Singletary			
	Seals		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Y/W	Y/N		12 182	1/4/22 8 150	P. Hounel	11/4 0850
			Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time
Blank/Co	oler Temp		P. Haware	11/4 1150	Branch Hidales	11-4-22
Amb	ient		Relinquished by: (SIGNATURE)	Date Time	Received by: (SIGNATURE)	Date Time



ATTACHMENT 2

ESTABLISHING ROUTINE PRACTICES

(Module 6 of EPA's 3Ts Manual)



Establishing Routine Practices

Schools and child care facilities should establish routine practices to reduce exposure to elevated lead levels and other environmental hazards (e.g., bacteria). These activities should not be conducted immediately prior to collecting a water sample but should be planned as part of the school's or child care facility's overall water management program to improve drinking water quality. Below are examples of routine activities that should be conducted to prevent exposure to drinking water contaminants:

Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

Module 7

Cleaning

- Clean drinking water fountains regularly. Consider posting a cleaning time card by the water fountains to allow the cleaning times to be recorded.
- Create an aerator (faucet screen) and water fountain strainer cleaning maintenance schedule and clean debris from all accessible aerators and strainers frequently. Establish a recordkeeping procedure to record when the aerators and strainers are cleaned.
- Consider setting a reminder on the calendar to notify the maintenance staff when it is time to clean the aerators and water fountain strainers.

Temperature Control

- Use only cold water for food and beverage preparation. Hot water will dissolve lead more quickly than cold water and may contain increased lead levels.
- If hot water is needed, it should be taken from the cold water faucet and heated on a stove or in a microwave oven. Consider creating notices that can be posted in the food and beverage preparation areas to remind students and staff to use cold water.

Point-of-Use Filter Maintenance

- If POU devices have been installed, make sure they are maintained. An example
 of a POU device is a filter on a faucet or within a drinking water fountain or
 water bottle filler.
- Ensure that the selected POU device is certified to remove lead (or any other
 contaminants of concern). To select a lead-reducing POU filter, check with the
 manufacturer or a third-party website (such as nsf.org or wqa.org) to verify the
 product was tested and certified against NSF/ANSI Standard 53 (for lead
 removal). For additional protection for particulate lead, look for a POU filter



that is also certified against NSF/ANSI Standard 42 (for class I particulate reduction, 0.5 μ m to <1 μ m).

• Consider setting a reminder on the calendar when it is time to change the filter.

Cross-Connections Control

• Evaluate the facility for the presence of cross-connections (e.g., connections of nonpotable water to potable sources) and address any issues.

Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

Module 7

Communication

- Create and post placards near bathroom sinks with notices that water should not be consumed. As an example, indicate that a sink is a hand-washing only sink to prevent students and staff from misunderstanding and utilizing sinks for brushing teeth, washing food or other activities that ultimately result in water being consumed.
- Use pictures if there are small children using bathrooms.
- Consider organizing an event for the community to explain how everyone can help.

Routine Flushing Practices

- Regularly flush all water outlets used for drinking or food preparation, particularly after weekends and long vacations when water may have been stagnant for a long period of time.
- Flushing involves opening valves and faucets and letting the water run to remove water that has been standing in the interior pipes and/or the outlets. The flushing time varies by the type of outlet being cleared.
- Be careful not to flush too many outlets at once. This could dislodge sediments that might create further lead problems, or it could reduce pressure in the system below safe levels. If the flow from outlets is reduced noticeably during flushing, too many outlets have likely been turned on at once.



Flushing Directions by Outlet Type

Remember that each drinking water outlet should be flushed individually; flushing a toilet will not flush the water fountains. All flushing should be recorded in a log submitted to the individual in charge of this program.

Locate the faucet furthest away from the service line on each wing and floor of the building, open the faucets wide, and let the water run for 10 minutes. For best results, calculate the volume of the plumbing and the flow rate at the tap and adjust the flushing time accordingly. This 10-minute time-frame is considered adequate for most buildings.

Open valves at all drinking water fountains without refrigeration units and let the water run for roughly 30 seconds to one minute, or until cold.

Let the water run on all refrigerated water fountains for 15 minutes. Because of the long time period required, routinely flushing refrigerated fountains may not be feasible. It may therefore be necessary, and more economical, to replace these outlets with "lead-free" NSF-approved devices.

Open all kitchen faucets (and other faucets where water will be used for drinking and/or cooking) and let the water run for 30 seconds to one minute, or until cold.

Flushing is not recommended as a practical remedy for water coolers.

Module 1

Module 2

Module 3

Module 4

Module 5

Module 6

Module 7



Communication Plan: Your continual effort to improve water quality in your facility will be of interest to parents, staff, and the community. Consider sending updates in newsletters.

Don't forget to maintain a record!

Record schedules for upkeep and maintenance and set calendar reminders to help you keep on schedule.

