



Environmental Works, Inc.

November 17, 2023 (Amended December 10, 2024)

Healthy Drinking Water Unit
Missouri Department of Health and Senior Services
P.O. Box 570
Jefferson City, MO 65102

**RE: Lead in Drinking Water Report
Frontier Schools – FSI Elementary School
6800 Corporate Drive, Kansas City, Missouri 64120**

Dear Healthy Drinking Water Unit, Parents and Teachers:

Environmental Works, Inc. (EWI), on behalf of Frontier Schools (Frontier), has prepared this Lead in Drinking Water Report for Frontier School of Innovation (FSI) Elementary School (FSI Elementary) located at 6700 Corporate Drive in Kansas City Missouri. This report summarizes the lead in drinking water sampling and testing performed during the August 2023 – July 2024 reporting year and follow-up testing during the August 2024 – July 2025 school year. Sampling and testing was performed to satisfy the requirement of “Get the Lead Out of School Drinking Water Act”, Revised Statutes of Missouri (RSMo) Chapter 160 Section 077 (160.077).

Background

RSMo 160.077 requires schools to conduct an inventory, prepare a sampling and testing plan, perform sampling, and complete a remediation plan (final report) of all water outlets used for drinking water and water dispensed for cooking and cleaning of eating and cooking utensils.

The Environmental Protection Agencies (EPA) lead drinking water standard limit is 15 micrograms per liter (ug/L) or parts per billion (ppb); however, RSMo 160.077 requires that all Missouri schools achieve a 5 ug/L limit of lead in water. General information on the health effects of lead contamination and additional informational resources for employees and parents of children at each school will be provided upon request using the contact information in **Attachment A**.

Procedures for inventorying and sampling drinking water outlets (DWOs) were conducted under guidance from the Missouri Department of Health and Senior Services (MDHSS) in accordance with the RSMo 160.077 and the EPA 3T’s guidance for Reducing Lead in Drinking Water. Potential DWOs were identified by Frontier Schools based on the age and instructional capabilities of students, date of building construction, outlet condition, and utilization of building facilities. The building diagram(s) are attached as **Figure 1** and **2** and the outlets identified in the inventory are listed in **Table 1**.

Initial Sampling and Testing

On September 13, 2023 and September 17, 2024, EWI collected a total of 33 “first draw” samples from DWOs identified in the inventory including one outlet that underwent repairs after September 2023. Samples were taken after a stagnation period of 8 to 18 hours from the first water received when

outlets were turned on. First draw samples were labeled, managed under a chain of custody (COC), and sent to Pace Analytical Services, a certified Missouri Drinking Water laboratory, for analysis of lead by Method 200.8. FSI Elementary was occupied by students and staff prior to the initial sampling; therefore, flushing of water outlets was not necessary. Results of the initial sampling are summarized in **Table 1**, with the laboratory analytical report provided as **Attachment B** and photo documentation as **Attachment C**.

The initial sampling results indicated no concentrations of lead above the Missouri Lead in Drinking Water limit of 5 ug/L in any outlet sampled.

Subsequent Sampling and Testing

Since no outlet tested above the Missouri schools limit of 5 ug/L, subsequent sampling was not required at this time.

Limitations

This report was prepared based on information obtained during site visits and provided by Frontier Schools. The conclusions and recommendations of this report are professional opinions based solely upon those observations and interpretations of sampling techniques and sample analysis as described in our report. The data collected during the limited visual inspection, interview period, and short-term water collection event only allows us to determine if the results correspond to the characteristics of a building or facility at the time of the survey. A list of outlets that were non-operational and/or not included in the sampling plan established by Frontier Schools are listed on **Table 1** and appropriate signage to limit use of these outlets to handwashing and curricular activities have been posted at each outlet.

Summary & Recommendations

The September 2023 and 2024 sampling results indicate all outlets utilized within the FSI Elementary School building are non-detectible or below the 5 ug/L (ppb) limit for Missouri Lead in Drinking Water. Routine testing may be required on a 5-year basis consistent with the Get the Lead Out of School Drinking Water Act. However, routine cleaning with follow-up flushing or replacement of aerators is recommended.

Frontier Schools have satisfied the RSMo 160.077 requirements to complete an outlet inventory, sampling and testing, and remediation of drinking water outlets in their school. If you have any questions or need any additional information regarding this project, please contact EWI at 816-285-8410.

Sincerely,
ENVIRONMENTAL WORKS, INC.



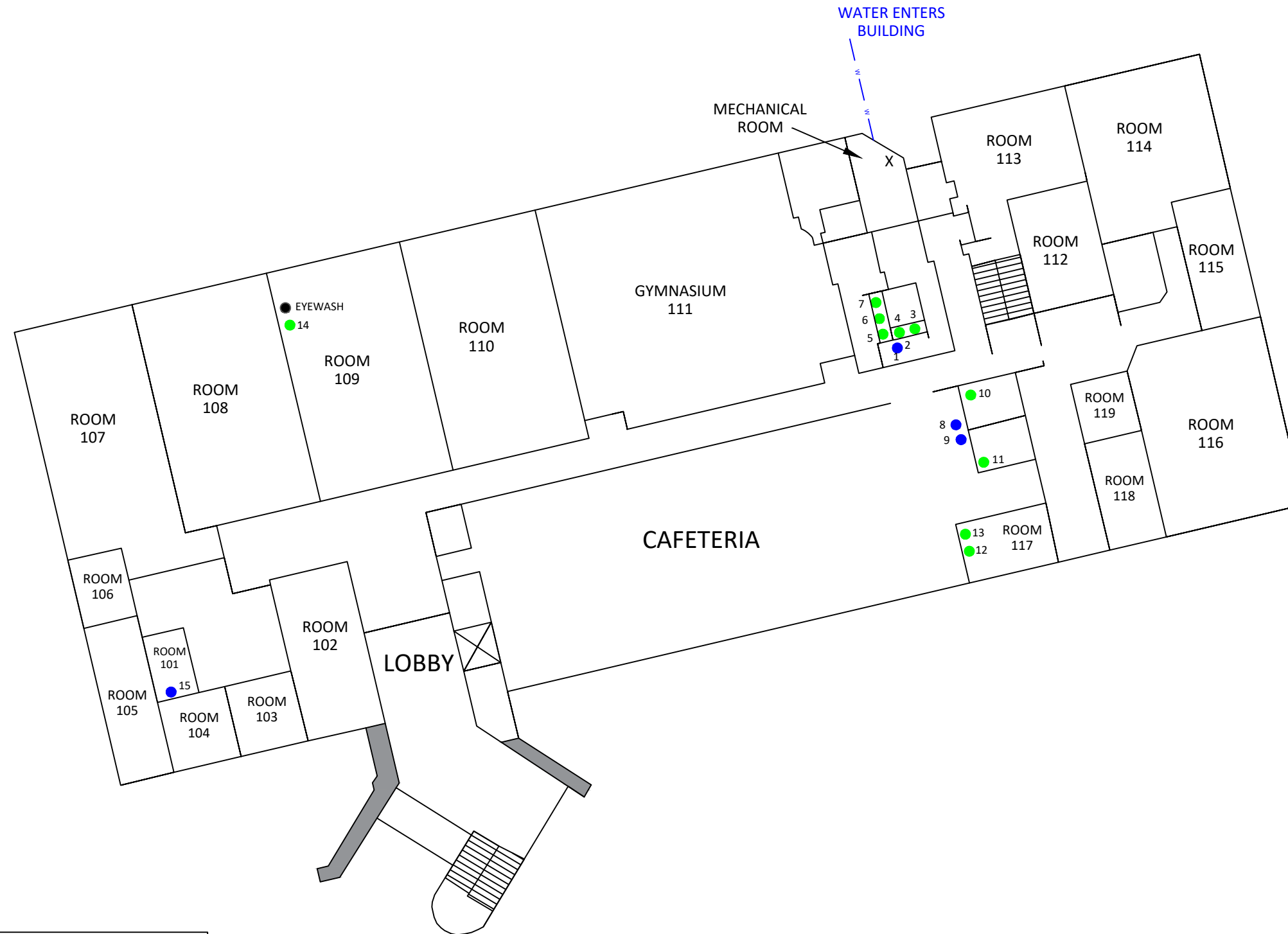
Rachel Dercher
Senior Project Manager

cc: Matthew Mercer, Frontier Schools (electronic)

Attachments (included on following page):

- Figure 1 – Building Diagram (First Floor)
- Figure 2 – Building Diagram (Second Floor)
- Table 1 – Summary of Outlet Water Analytical Results
- Attachment A – School Contact Information
- Attachment B – Laboratory Analytical Report
- Attachment C – Photo Documentation

FIRST FLOOR



LEGEND

APPROXIMATE OUTLET LOCATIONS:	BF BATHROOM FAUCET
● SAMPLED OUTLET (FAUCET)	CF CLASSROOM FAUCET
● SAMPLED OUTLET (DRINKING WATER)	SF SHOWER FAUCET
● NON-OPERATIONAL/NOT SAMPLED OUTLET	DW DRINKING WATER
X JANITORS FAUCET	# SAMPLE LOCATION



CHECKED BY:
R. DERCHER
E.W.I. # 233451.02
DRAWN BY: TW
Nov. 16, 2023

NOT TO SCALE



Kansas City Office Location:
1731 Locust Street
Kansas City, MO 64108
Phone: (417) 890-9500

BUILDING DIAGRAM
(FIRST FLOOR)
FSI ELEMENTARY SCHOOL
6700 CORPORATE DRIVE
KANSAS CITY, JACKSON COUNTY, MISSOURI

FIGURE
1


TABLE 1
Summary of Outlet Water Analytical Results
Frontier School District: Elementary School


Map ID	Program Sample ID	Outlet Type	Location <i>(hall, room #, etc.)</i>	Sample Type	Initial Sample Date	Lead Results
	Format (Bldg-floor-Rm-Outlet-Type-Sample Number)					200.8 Method ug/L (ppb)
1	02-01-00H-DW-P-1	Water Fountain	Hallway, at entrance of bathrooms	First Draw	9/13/2023	<1.0
2	02-01-00H-DW-P-2	Bottle Filler	Hallway, at entrance of bathrooms	First Draw	9/13/2023	<1.0
3	02-01-00H-BF-P-3	Faucet 1, Bathroom	Men's hall bathroom, E	First Draw	9/13/2023	<1.0
4	02-01-00H-BF-P-4	Faucet 2, Bathroom	Men's hall bathroom, W	First Draw	9/13/2023	<1.0
5	02-01-00H-BF-P-5	Faucet 1, Bathroom	Women's hall bathroom, S	First Draw	9/13/2023	1.0
6	02-01-00H-BF-P-6	Faucet 2, Bathroom	Women's hall bathroom, Center	First Draw	9/17/2024	<1.0
7	02-01-00H-BF-P-7	Faucet 3, Bathroom	Women's hall bathroom, N	First Draw	9/13/2023	<1.0
8	02-01-00C-DW-P-8	Water Fountain	Cafeteria, N	First Draw	9/13/2023	<1.0
9	02-01-00C-DW-P-9	Water Fountain	Cafeteria, S	First Draw	9/13/2023	<1.0
10	02-01-H00C-BF-P-10	Faucet, Bathroom	Hallway/Cafeteria, single bathroom, N	First Draw	9/13/2023	<1.0
11	02-01-H00C-BF-P-11	Faucet, Bathroom	Hallway/Cafeteria, single bathroom, S	First Draw	9/13/2023	<1.0
12	02-01-117-KF-P-12	Faucet	Rm. 117, Kitchen faucet, cafeteria	First Draw	9/13/2023	<1.0
13	02-01-117-HW-P-13	Faucet	Rm. 117, Kitchen	First Draw	9/13/2023	3.1
14	02-01-109-CF-P-14	Faucet, Classroom	Rm. 109, Classroom	First Draw	9/13/2023	1.6
15	02-01-101-DW-P-15	Water Dispenser	Rm. 101	First Draw	9/13/2023	<1.0
16	02-02-00H-BF-P-16	Faucet 1, Bathroom	Men's hall bathroom, next to stairs, E	First Draw	9/13/2023	2.2
17	02-02-00H-BF-P-17	Faucet 2, Bathroom	Men's hall bathroom, next to stairs, W	First Draw	9/13/2023	1.1
18	02-02-00H-BF-P-18	Faucet 1, Bathroom	Women's hall bathroom, next to stairs, S	First Draw	9/13/2023	<1.0
19	02-02-00H-BF-P-19	Faucet 2, Bathroom	Women's hall bathroom, next to stairs, C	First Draw	9/13/2023	<1.0
20	02-02-00H-BF-P-20	Faucet 3, Bathroom	Women's hall bathroom, next to stairs, N	First Draw	9/13/2023	<1.0
21	02-02-00H-BF-P-21	Faucet, Bathroom	Hallway, Staff single bathroom	First Draw	9/13/2023	<1.0
22	02-02-00H-DW-P-22	Water Fountain	Hallway, by staff bathroom, N	First Draw	9/13/2023	<1.0
23	02-02-00H-DW-P-23	Bottle Filler	Hallway, by staff bathroom	First Draw	9/13/2023	<1.0
24	02-02-00H-DW-P-24	Water Fountain	Hallway, by staff bathroom, S	First Draw	9/13/2023	<1.0
25	02-02-00H-BF-P-25	Faucet, Bathroom	Hallway, single bathroom men's	First Draw	9/13/2023	<1.0
26	02-02-00H-BF-P-26	Faucet, Bathroom	Hallway, single bathroom women's	First Draw	9/13/2023	<1.0
27	02-02-224-NF-P-27	Faucet	Rm. 224, Nurse's station	First Draw	9/13/2023	<1.0
28	02-02-224-NF-P-28	Ice Machine	Rm. 224, Nurse's station	First Draw	9/13/2023	<1.0
29	02-02-225-DW-P-29	Water Dispenser	Rm. 225, Teacher's lounge	First Draw	9/13/2023	<1.0
30	02-02-225-KF-P-30	Faucet, Kitchen	Rm. 225, Teacher's lounge	First Draw	9/13/2023	<1.0

TABLE 1
Summary of Outlet Water Analytical Results
Frontier School District: Elementary School

Map ID	Program Sample ID	Outlet Type	Location <i>(hall, room #, etc.)</i>	Sample Type	Initial Sample Date	Lead Results
	Format (Bldg-floor-Rm-Outlet-Type-Sample Number)					200.8 Method ug/L (ppb)
31	02-02-225-DW-P-31	Refrigerator Water	Rm. 225, Teacher's lounge	First Draw	9/13/2023	<1.0
32	02-02-225-DW-P-32	Refrigerator Ice	Rm. 225, Teacher's lounge	First Draw	9/13/2023	<1.0
33	02-02-201-CF-P-33	Faucet, Classroom	Rm. 201, Art Classroom	First Draw	9/13/2023	<1.0
33	Total Building Outlets					

Notes:

 Blue Shading indicates outlets with concentrations at or above the Missouri Get the Lead Out of schools lead limit (5ppb)

 Gray Shading indicates not applicable (NA) or no sample collected

< indicates concentrations below the laboratory reporting limits

All samples analyzed by Method 200.8 for Drinking Water

Bold text indicates detectable concentrations above the laboratory reporting limit

Exceedances of Missouri Lead Out Limit (5 ppb) as defined in the RSMo 160.077 indicate outlets that require remediation for use as drinking water

Sample IDs follow the EPA 3Ts Guidance; "P" indicates first draw, "F" indicates flush draw, "S" indicates retest of first draw; BF - Bathroom Faucet, CF - Classroom Faucet, KF - Kitchen Faucet, CW - Cleaning Water (Dishwasher), DW - Drinking Water (Fountains), NF or NS - Nurse's Sink

¹Signage applied to prevent drinking water use. Outlet limited to handwashing and curriculum use only and will not serve as a potable drinking water source for the building.

Outlets where water was not collected during sampling include the following:

Outlet Type	Location	Note
Classroom, Eyewash Station	Rm. 109, Classroom	Signage provided to prevent drinking

ATTACHMENT A
School Contact Information

School District and Contact Information

School Name: Frontier Elementary School

School District: Frontier School District

Building ID: 02

School Type: Charter

School Address: 6700 Corporate Dr.
Kansas City, Jackson County, Missouri 64120

Phone: (816) 683-8323 (O) and (816) 241-6201 (F)
Email: mvural@frontierschools.org

Contact: Matthew Mercer
Maintenance Manager
(816) 683-8323 (O)

School	Level	Grade	Address
Frontier School of Innovation Elementary School	Elementary	PK – 3rd	6700 Corporate Drive Kansas City, MO 64120

ATTACHMENT B
Laboratory Analytical Report



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

October 09, 2023

Rachel L. Dercher, RG
Environmental Works, Inc.
1731 Locust Street
Kansas City, MO 64108

RE: FSI Elementary-233451.02

Dear Rachel L. Dercher, RG:

Please find enclosed the analytical results for the **32** sample(s) the laboratory received on **9/15/23 10:30 am** and logged in under work order **GI02723**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read "Chenise Lambert-Sykes".

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order GI02723

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
YES	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

Case Narrative

The drinking water lead analysis was performed at Pace-Ormond Beach, FL. Please refer to the subcontract section of the report for details.



ANALYTICAL RESULTS

**Sample:
Name:**

**Sampled:
Received:**

Reg ID:

PO #:

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
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NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Chenise Lambert-Sykes, Project Manager



September 26, 2023

Chenise Lambert-Sykes
Pace Analytical Services, Inc - IL/MO
944 Anglum Road
Hazelwood, MO 63042

RE: Project: GI02723 FSI Elem 233451.02
Pace Project No.: 35829430

Dear Chenise Lambert-Sykes:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Ormond Beach

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brad Smith
brad.smith@pacelabs.com
(386) 672-5668
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #: ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

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SAMPLE ANALYTE COUNT

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35829430001	02-02-201-CF-P-33	EPA 200.8	EAP	1	PASI-O
35829430002	02-01-00C-DW-P-8	EPA 200.8	EAP	1	PASI-O
35829430003	02-01-00C-DW-P-9	EPA 200.8	EAP	1	PASI-O
35829430004	02-01-00H-BF-P-3	EPA 200.8	EAP	1	PASI-O
35829430005	02-01-00H-BF-P-4	EPA 200.8	EAP	1	PASI-O
35829430006	02-01-00H-BF-P-5	EPA 200.8	EAP	1	PASI-O
35829430007	02-01-00H-BF-P-7	EPA 200.8	EAP	1	PASI-O
35829430008	02-01-00H-DW-P-1	EPA 200.8	EAP	1	PASI-O
35829430009	02-01-00H-DW-P-2	EPA 200.8	EAP	1	PASI-O
35829430010	02-01-101-DW-P-15	EPA 200.8	EAP	1	PASI-O
35829430011	02-01-109-CF-P-14	EPA 200.8	EAP	1	PASI-O
35829430012	02-01-117-HW-P-13	EPA 200.8	EAP	1	PASI-O
35829430013	02-01-117-KF-P-12	EPA 200.8	LEC	1	PASI-O
35829430014	02-01-H00C-BF-P-10	EPA 200.8	EAP	1	PASI-O
35829430015	02-01-H00C-BF-P-11	EPA 200.8	EAP	1	PASI-O
35829430016	02-02-00H-BF-P-16	EPA 200.8	LEC	1	PASI-O
35829430017	02-02-00H-BF-P-17	EPA 200.8	LEC	1	PASI-O
35829430018	02-02-00H-BF-P-18	EPA 200.8	LEC	1	PASI-O
35829430019	02-02-00H-BF-P-19	EPA 200.8	LEC	1	PASI-O
35829430020	02-02-00H-BF-P-20	EPA 200.8	LEC	1	PASI-O
35829430021	02-02-00H-BF-P-21	EPA 200.8	LEC	1	PASI-O
35829430022	02-02-00H-BF-P-25	EPA 200.8	LEC	1	PASI-O
35829430023	02-02-00H-BF-P-26	EPA 200.8	LEC	1	PASI-O
35829430024	02-02-00H-DW-P-22	EPA 200.8	LEC	1	PASI-O
35829430025	02-02-00H-DW-P-23	EPA 200.8	LEC	1	PASI-O
35829430026	02-02-00H-DW-P-24	EPA 200.8	LEC	1	PASI-O
35829430027	02-02-224-NF-P-27	EPA 200.8	LEC	1	PASI-O
35829430028	02-02-224-NF-P-28	EPA 200.8	EAP	1	PASI-O
35829430029	02-02-225-DW-P-29	EPA 200.8	LEC	1	PASI-O
35829430030	02-02-225-DW-P-31	EPA 200.8	LEC	1	PASI-O
35829430031	02-02-225-DW-P-32	EPA 200.8	LEC	1	PASI-O
35829430032	02-02-225-KF-P-30	EPA 200.8	LEC	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-201-CF-P-33 Lab ID: 35829430001 Collected: 09/13/23 05:25 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		09/25/23 15:43	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00C-DW-P-8								
Lab ID: 35829430002								
Collected: 09/13/23 04:42								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 15:48	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00C-DW-P-9								
Lab ID: 35829430003								
Collected: 09/13/23 04:42 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 15:50	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00H-BF-P-3								
Lab ID: 35829430004								
Collected: 09/13/23 04:36								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 15:52	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00H-BF-P-4								
Lab ID: 35829430005								
Collected: 09/13/23 04:36								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 15:54	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00H-BF-P-5								
Lab ID: 35829430006								
Collected: 09/13/23 04:38								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	1.0	ug/L	1.0	1		09/25/23 15:56	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00H-BF-P-7								
Lab ID: 35829430007								
Collected: 09/13/23 04:39								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 15:58	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Sample: 02-01-00H-DW-P-1	Lab ID: 35829430008	Collected: 09/13/23 04:33	Received: 09/15/23 10:30	Matrix: Drinking Water					
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 16:00	7439-92-1		

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-00H-DW-P-2 Lab ID: 35829430009 Collected: 09/13/23 04:34 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		09/25/23 16:02	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-101-DW-P-15								
Lab ID: 35829430010								
Collected: 09/13/23 04:52								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 16:04	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-109-CF-P-14								
Lab ID: 35829430011								
Collected: 09/13/23 04:50								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	1.6	ug/L	1.0	1		09/25/23 16:06	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-117-HW-P-13								
Lab ID: 35829430012								
Collected: 09/13/23 04:48								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	3.1	ug/L	1.0	1		09/25/23 16:11	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-117-KF-P-12								
Lab ID: 35829430013								
Collected: 09/13/23 04:47								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:23	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-H00C-BF-P-10								
Lab ID: 35829430014								
Collected: 09/13/23 04:45								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 16:58	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-01-H00C-BF-P-11								
Lab ID: 35829430015								
Collected: 09/13/23 04:45								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/25/23 17:00	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-16								
Lab ID: 35829430016								
Collected: 09/13/23 05:02 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	2.2	ug/L	1.0	1		09/24/23 20:30	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-17								
Lab ID: 35829430017								
Collected: 09/13/23 05:02								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	1.1	ug/L	1.0	1		09/24/23 20:32	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-18								
Lab ID: 35829430018								
Collected: 09/13/23 05:02 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:33	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-19								
Lab ID: 35829430019								
Collected: 09/13/23 05:02								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:35	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-20								
Lab ID: 35829430020								
Collected: 09/13/23 05:03								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:36	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-21								
Lab ID: 35829430021								
Collected: 09/13/23 05:05								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:41	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-25								
Lab ID: 35829430022								
Collected: 09/13/23 05:11								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:43	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-BF-P-26								
Lab ID: 35829430023								
Collected: 09/13/23 05:11								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:44	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-DW-P-22 Lab ID: 35829430024 Collected: 09/13/23 05:08 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		09/24/23 20:46	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02
 Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-DW-P-23 Lab ID: 35829430025 Collected: 09/13/23 05:08 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:47	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-00H-DW-P-24 Lab ID: 35829430026 Collected: 09/13/23 05:09 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		09/24/23 20:49	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-224-NF-P-27 Lab ID: 35829430027 Collected: 09/13/23 05:15 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		09/24/23 20:50	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-224-NF-P-28								
Lab ID: 35829430028								
Collected: 09/13/23 05:16 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8 Preparation Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1	09/25/23 04:31	09/25/23 16:25	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02
 Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-225-DW-P-29								
Lab ID: 35829430029								
Collected: 09/13/23 05:19 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:52	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-225-DW-P-31 Lab ID: 35829430030 Collected: 09/13/23 05:23 Received: 09/15/23 10:30 Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water	Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach							
Lead	ND	ug/L	1.0	1		09/24/23 20:53	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-225-DW-P-32								
Lab ID: 35829430031								
Collected: 09/13/23 05:22								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:55	7439-92-1	

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ANALYTICAL RESULTS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Sample: 02-02-225-KF-P-30								
Lab ID: 35829430032								
Collected: 09/13/23 05:19								
Received: 09/15/23 10:30								
Matrix: Drinking Water								
200.8 MET ICPMS Drinking Water								
Analytical Method: EPA 200.8								
Pace Analytical Services - Ormond Beach								
Lead	ND	ug/L	1.0	1		09/24/23 20:59	7439-92-1	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

QC Batch:	952316	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35829430001, 35829430002, 35829430003, 35829430004, 35829430005, 35829430006, 35829430007, 35829430008, 35829430009, 35829430010, 35829430011, 35829430012		

METHOD BLANK:	5236698	Matrix:	Water
Associated Lab Samples:	35829430001, 35829430002, 35829430003, 35829430004, 35829430005, 35829430006, 35829430007, 35829430008, 35829430009, 35829430010, 35829430011, 35829430012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	09/25/23 16:17	

LABORATORY CONTROL SAMPLE: 5236699						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	45.7	91	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5236694											5236695	
Parameter	Units	35828540001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual	
Lead	ug/L	0.00022 U mg/L	50	50	57.2	56.7	114	113	70-130	1		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5236696											5236697	
Parameter	Units	35829430012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual	
Lead	ug/L	3.1	50	50	48.0	48.6	90	91	70-130	1		

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QUALITY CONTROL DATA

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

QC Batch:	952318	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET No Prep Drinking Water
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	35829430013, 35829430014, 35829430015, 35829430016, 35829430017, 35829430018, 35829430019, 35829430020, 35829430021, 35829430022, 35829430023, 35829430024, 35829430025, 35829430026, 35829430027, 35829430029, 35829430030, 35829430031, 35829430032		

METHOD BLANK:	5236708	Matrix:	Water
Associated Lab Samples:	35829430013, 35829430014, 35829430015, 35829430016, 35829430017, 35829430018, 35829430019, 35829430020, 35829430021, 35829430022, 35829430023, 35829430024, 35829430025, 35829430026, 35829430027, 35829430029, 35829430030, 35829430031, 35829430032		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	09/24/23 21:04	

LABORATORY CONTROL SAMPLE:	5236709					
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	48.2	96	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	5236704			5236705							
Parameter	Units	35829430013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	ND	50	50	60.2	60.9	119	121	70-130	1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:	5236706			5236707							
Parameter	Units	35829430032 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
Lead	ug/L	ND	50	50	55.7	55.2	111	110	70-130	1	

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QUALITY CONTROL DATA

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

QC Batch:	952431	Analysis Method:	EPA 200.8
QC Batch Method:	EPA 200.8	Analysis Description:	200.8 MET Drinking Water
		Laboratory:	Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35829430028

METHOD BLANK: 5236954 Matrix: Water

Associated Lab Samples: 35829430028

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	ug/L	ND	1.0	09/25/23 16:21	

LABORATORY CONTROL SAMPLE: 5236955

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	ug/L	50	45.8	92	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5236956 5236957

Parameter	Units	35829434001		5236956		5236957		% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
Lead	ug/L	1.0	50	50	44.9	44.8	88	88	70-130	0

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QUALIFIERS

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

U Compound was analyzed for but not detected.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GI02723 FSI Elem 233451.02

Pace Project No.: 35829430

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35829430028	02-02-224-NF-P-28	EPA 200.8	952431	EPA 200.8	952519
35829430001	02-02-201-CF-P-33	EPA 200.8	952316		
35829430002	02-01-00C-DW-P-8	EPA 200.8	952316		
35829430003	02-01-00C-DW-P-9	EPA 200.8	952316		
35829430004	02-01-00H-BF-P-3	EPA 200.8	952316		
35829430005	02-01-00H-BF-P-4	EPA 200.8	952316		
35829430006	02-01-00H-BF-P-5	EPA 200.8	952316		
35829430007	02-01-00H-BF-P-7	EPA 200.8	952316		
35829430008	02-01-00H-DW-P-1	EPA 200.8	952316		
35829430009	02-01-00H-DW-P-2	EPA 200.8	952316		
35829430010	02-01-101-DW-P-15	EPA 200.8	952316		
35829430011	02-01-109-CF-P-14	EPA 200.8	952316		
35829430012	02-01-117-HW-P-13	EPA 200.8	952316		
35829430013	02-01-117-KF-P-12	EPA 200.8	952318		
35829430014	02-01-H00C-BF-P-10	EPA 200.8	952318		
35829430015	02-01-H00C-BF-P-11	EPA 200.8	952318		
35829430016	02-02-00H-BF-P-16	EPA 200.8	952318		
35829430017	02-02-00H-BF-P-17	EPA 200.8	952318		
35829430018	02-02-00H-BF-P-18	EPA 200.8	952318		
35829430019	02-02-00H-BF-P-19	EPA 200.8	952318		
35829430020	02-02-00H-BF-P-20	EPA 200.8	952318		
35829430021	02-02-00H-BF-P-21	EPA 200.8	952318		
35829430022	02-02-00H-BF-P-25	EPA 200.8	952318		
35829430023	02-02-00H-BF-P-26	EPA 200.8	952318		
35829430024	02-02-00H-DW-P-22	EPA 200.8	952318		
35829430025	02-02-00H-DW-P-23	EPA 200.8	952318		
35829430026	02-02-00H-DW-P-24	EPA 200.8	952318		
35829430027	02-02-224-NF-P-27	EPA 200.8	952318		
35829430029	02-02-225-DW-P-29	EPA 200.8	952318		
35829430030	02-02-225-DW-P-31	EPA 200.8	952318		
35829430031	02-02-225-DW-P-32	EPA 200.8	952318		
35829430032	02-02-225-KF-P-30	EPA 200.8	952318		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full, without the written consent of Pace Analytical Services, LLC.

Internal Transfer Chain of Custody

WO#: 35829430



35829430

State of Origin: MO
 Cert. Needed: YES NO



FSI Elementary 233451.02- Owner Received
 Drinking Water Lead

Worker Name: Subcontract To:

Chenise Lambert-Sykes
 Pace Hazelwood
 944 Anglum Road
 Hazelwood, MO 63042
 Phone 800.333.3278

Pace Analytical Ormand Beach
 8 East Tower Circle
 Ormond Beach, FL 32174
 386-672-5668

Results Requested
 By: 9/27/2023

Date: 9/14/2023

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers	Requested Analysis	LAB USE ONLY	
1	02-02-201-CF-P-33	Grab	9/13/2023 0525	GI02723-01	DW				
2	02-01-00C-DW-P-8	Grab	9/13/2023 0442	GI02723-02	DW		Dw Lead (Pb)		
3	02-01-00C-DW-P-9	Grab	9/13/2023 0442	GI02723-03	DW		Turb Check		
4	02-01-00H-BF-P-3	Grab	9/13/2023 0436	GI02723-04	DW				
5	02-01-00H-BF-P-4	Grab	9/13/2023 0436	GI02723-05	DW				
6	02-01-00H-BF-P-5	Grab	9/13/2023 0438	GI02723-06	DW				
7	02-01-00H-BF-P-7	Grab	9/13/2023 0439	GI02723-07	DW				
8	02-01-00H-DW-P-1	Grab	9/13/2023 0433	GI02723-08	DW				
9	02-01-00H-DW-P-2	Grab	9/13/2023 0434	GI02723-09	DW				
10	02-01-101-DW-P-15	Grab	9/13/2023 0452	GI02723-10	DW				
Transfers Released By		Date/Time		Received By		Date/Time		Comments	
1					AS/Pace		9/15/23 1030		*SAMPLES UNPRESERVED AT COLLECTION
2									10 DAY TAT, Report to 1PPB, STD EXCEL EDD
3									LOG CLIENT SAMP. ID; Proj. FSI Elem 233451.02

Cooler Temperature on Receipt 18.6 °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

Internal Transfer Chain of Custody



State of Origin: MO
 Cert. Needed: YES NO

Workorder: G102723
 FSI Elementary 233451.02- Owner Received
 Drinking Water Lead
 Results Requested
 By: 9/27/2023

Report To:

Chenise Lambert-Sykes
 Pace Hazelwood
 944 Anglum Road
 Hazelwood, MO 63042
 Phone 800.333.3278

Subcontract To:

Pace Analytical Ormand Beach
 8 East Tower Circle
 Ormond Beach, FL 32174
 386-672-5668

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers	Dw Lead (Pb)	Turb Check	Requested Analysis	LAB USE ONLY
1	02-01-109-CF-P-14	Grab	9/13/2023 0450	G102723-11	DW		X	X		
2	02-01-117-HW-P-13	Grab	9/13/2023 0448	G102723-12	DW		X	X		
3	02-01-117-KF-P-12	Grab	9/13/2023 0447	G102723-13	DW		X	X		
4	02-01-H00C-BF-P-1C	Grab	9/13/2023 0445	G102723-14	DW		X	X		
5	02-01-H00C-BF-P-11	Grab	9/13/2023 0445	G102723-15	DW		X	X		
6	02-02-00H-BF-P-16	Grab	9/13/2023 0502	G102723-16	DW		X	X		
7	02-02-00H-BF-P-17	Grab	9/13/2023 0502	G102723-17	DW		X	X		
8	02-02-00H-BF-P-18	Grab	9/13/2023 0502	G102723-18	DW		X	X		
9	02-02-00H-BF-P-19	Grab	9/13/2023 0502	G102723-19	DW		X	X		
10	02-02-00H-BF-P-20	Grab	9/13/2023 0503	G102723-20	DW		X	X		
Transfers Released By										
1										
2										
3										

Date/Time
 Received By
 Date/Time
 Comments

AS Pace
 9/13/2023 31030
 *SAMPLES UNPRESERVED AT COLLECTION
 10 DAY TAT, Report to 1PPB, STD EXCEL EDD
 LOG CLIENT SAMP. ID; Proj. FSI Elem 233451.02

Cooler Temperature on Receipt 18.6 °C
 Custody Seal Y or N
 Received on Ice Y or N
 Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

Internal Transfer Chain of Custody



State of Origin: MO
 Cert. Needed: YES NO

Workorder: G102723
 FSI Elementary 233451.02- Owner Received
 Drinking Water Lead

Results Requested
 By: 9/14/2023 9/27/2023

Report To: Chenise Lambert-Sykes
 Pace Hazelwood
 944 Anglum Road
 Hazelwood, MO 63042
 Phone 800.333.3278

Subcontract To: Pace Analytical Ormand Beach
 8 East Tower Circle
 Ormond Beach, FL 32174
 386-672-5668

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers			Date/Time	Comments
						DW Lead (Pb)	Turb Check	LAB USE ONLY		
1	02-02-00H-BF-P-21	Grab	9/13/2023 0505	G102723-21	DW	X	X			
2	02-02-00H-BF-P-25	Grab	9/13/2023 0511	G102723-22	DW	X	X			
3	02-02-00H-BF-P-26	Grab	9/13/2023 0511	G102723-23	DW	X	X			
4	02-02-00H-DW-P-22	Grab	9/13/2023 0508	G102723-24	DW	X	X			
5	02-02-00H-DW-P-23	Grab	9/13/2023 0508	G102723-25	DW	X	X			
6	02-02-00H-DW-P-24	Grab	9/13/2023 0509	G102723-26	DW	X	X			
7	02-02-224-NF-P-27	Grab	9/13/2023 0515	G102723-27	DW	X	X			
8	02-02-224-NF-P-28	Grab	9/13/2023 0516	G102723-28	DW	X	X			
9	02-02-225-DW-P-29	Grab	9/13/2023 0519	G102723-29	DW	X	X			
10	02-02-225-DW-P-30	Grab	9/13/2023 0523	G102723-30	DW	X	X			

Transfers Released By: *AS/PLP* Received By: *AS/PLP* Date/Time: *9/15/2023 10:00*

10 DAY TAT, Report to 1PPB, STD EXCEL EDD
 LOG CLIENT SAMP. ID; Proj. FSI Elem 233451.02

Cooler Temperature on Receipt: *18.6* °C Custody Seal: *X* or N Received on Ice: *Y* or N Sample Intact: *Y* or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.

Internal Transfer Chair of Custody



State of Origin: MO
 Cert. Needed: YES NO

Workorder: G102723
 FSI Elementary 233451.02- Owner Received
 Drinking Water Lead Date: 9/14/2023
 Results Requested By: 9/27/2023

Report To:
 Chenise Lambert-Sykes
 Pace Analytical
 944 Anglum Road
 Hazelwood, MO 63042
 Phone 800.333.3278

Subcontract To:
 Pace Analytical Ormand Beach
 8 East Tower Circle
 Ormond Beach, FL 32174
 386-672-5668

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		Date/Time	Received By	Date/Time	Comments
						DW Lead (Pb)	Turb Check				
1	02-02-225-DW-P-32	Grab	9/13/2023	G102723-01	DW	X	X	9/15/23	AS/P/MLC	9/15/23 1032	*SAMPLES UNPRESERVED AT COLLECTION 10 DAY TAT, Report to 1PPB, STD EXCEL EDD LOG CLIENT SAMP. ID; Proj. FSI Elem 233451.02
2	02-02-225-KF-P-30	Grab	9/13/2023	G102723-02	DW	X	X				
3											
4											
5											
6											
7											
8											
9											
10											
Transfers Released By											
1											
2											
3											

Cooler Temperature on Receipt 18.6 °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
 This chain of custody is considered complete as is since this information is available in the owner laboratory.



Scan QR Code for instructions

CHAIN-OF-CUSTODY Analytical Request Document
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Pace® Location Requested (City/State): Pace Analytical Kansas, 9608 Loiret Blvd., Lenexa, KS 66219

Company Name: ENVIRONMENTAL WORKS
Street Address: 1731 LOCUST ST, Kansas City, MO 64108

Contact/Report To: Dercher, Rachel
Phone #: (816)285-8426
E-Mail: rdercher@environmentalworks.com
Cc E-Mail:

Invoice To: **Frontier Schools**
Invoice E-Mail:

Customer Project #: 233451.02 FSI Elementary
Project Name:

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET [] Missouri

Data Deliverables:
 Level II [] Level III [] Level IV
 EQUIS
 Other

Regulatory Program (DW, RCRA, etc.) as applicable: **Missouri**

Rush (Pre-approval required): **Get the Lead Out**
 DW PWSID # or WW Permit # as applicable:
 2 Day [] 3 day [] 5 day [] Yes No
 Field Filtered (if applicable):
 Date Results Requested: **9/27/23**
 Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Collected		Composite End		Res. CLZ		Number & Type of Containers		200 g Lead	Sample Comment
		Comp / Grab	Date	Date	Time	Time	Time	Plastic	Glass		
02-02-201-CE-P-33	DW	6	9/13/23	0525	---	---	---	---	---	X	Preservation non-conformance identified for sample.
02-01-00C-DW-P-8	DW	6	9/13/23	0525	---	---	---	1	---	X	
02-01-00C-DW-P-9	DW	6	9/13/23	0442	---	---	---	1	---	X	
	DW	6	9/13/23	0442	---	---	---	1	---	X	

Additional Instructions from Pace®:

Collected By: **Kali Wellman**
 Printed Name: **Kali Wellman**
 Signature: *Kali Wellman*

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp. (°C) Corrected Temp. (°C)

Tracking Number: **9-13/23-31**
 Date/Time: **9/13/23**
 Delivered by: [] In-Person [] Courier
 Date/Time: **9/13/23 09:10:30**
 Delivered by: [] FedEx [] UPS [] Other
 Date/Time:
 Delivered by/Company: (Signature)
 Date/Time:
 Delivered by/Company: (Signature)
 Date/Time:
 Delivered by/Company: (Signature)
 Date/Time:
 Delivered by/Company: (Signature)

Page: **1** of **4**

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Pace* Location Requested (City/State):
 Pace Analytical Kansas,
 9608 Loiret Blvd., Lenexa, KS 66219

Company Name: ENVIRONMENTAL WORKS
 Street Address: 1731 LOCUST ST., Kansas City, MO 64108

Customer Project #: 233451.02 FSI Elementary
 Project Name:

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Dercher, Rachel
 Phone #: (816)285-8426
 E-Mail: rdercher@environmentalworks.com
 Cc E-Mail:

Invoice To: **Frontier Schools**
 Invoice E-Mail:

Purchase Order # (if applicable):
 Quote #:

Scan QR Code for instructions

Specify Container Size **
 Identify Container Preservative Type ***
 Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) Encore, (8) TerraCore, (9) Other
 *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Proj. Mgr:
Chenise Lambert-Sykes
 AcctNum./Client ID:
 Table #:
 Profile / Template:
Hazelwood event
 Prelog / Bottle Ord. ID:
1143134

Time Zone Collected: [] AK [] MT [] CT [] ET
 Data Deliverables:
 Level II [] Level III [] Level IV
 EQUIS
 Other

Regulatory Program (DW, RCRA, etc.) as applicable: Missouri
 DW PWSID # or WW Permit # as applicable: **Get the Lead Out**

Rush (Pre-approval required):
 2 Day [] 3 day [] 5 day [] Other
 Field Filtered (if applicable): [] Yes [X] No
 Date Results Requested: **9/27/23**
 Analysis:

Customer Sample ID	Matrix *	Comp / Grab	Collected		Composite End		Res. CLZ	Number & Type of Containers		200 g Lead	Preservation non-conformance identified for
			Date	Time	Date	Time		Plastic	Glass		
02-01-00H-BF-P-3	DW	G	9/13/23	0436						X	
02-01-00H-BF-P-4	DW			0436						X	
02-01-00H-BF-P-5	DW			0438						X	
02-01-00H-BF-P-6	DW									X	
02-01-00H-BF-P-7	DW			6439						X	
02-01-00H-DW-P-1	DW			0453						X	
02-01-00H-DW-P-2	DW			6454						X	
02-01-101-DW-P-15	DW			0452						X	
02-01-109-CF-P-14	DW			6450						X	
02-01-117-HW-P-13	DW			0449						X	

Additional Instructions from Pace*:
 Collected By: **Rachel Dercher**
 Printed Name: **Rachel Dercher**
 Signature: *[Signature]*

Received by/Company: (Signature)
 Date/Time: **9/13/23**
 Signature: *[Signature]*

Received by/Company: (Signature)
 Date/Time: **9/13/23**
 Signature: *[Signature]*

Received by/Company: (Signature)
 Date/Time: **9/13/23**
 Signature: *[Signature]*

Received by/Company: (Signature)
 Date/Time: **9/13/23**
 Signature: *[Signature]*

Received by/Company: (Signature)
 Date/Time: **9/13/23**
 Signature: *[Signature]*

Tracking Number:
9-13-23 / 10531
4752310130

Delivered by: [] In-Person [] Courier
 [] FedEx [] UPS [] Other

Date/Time:
 Page: **2** of **4**

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY - Affix Workorder/Login Label Here

Scan QR Code for instructions

Pace* Location Requested (City/State):
Pace Analytical Kansas
9608 Loiret Blvd., Lenexa, KS 66219

Company Name: ENVIRONMENTAL WORKS
Street Address: 17311 LOCUST ST, Kansas City, MO 64108

Customer Project #: 233451.02 FSI Elementary
Project Name:

Site Collection Info/Facility ID (as applicable):

Contact/Report To: Dercher, Rachel
Phone #: (816)285-8426
E-Mail: rdercher@environmentalworks.com
Cc E-Mail:

Invoice To: Frontier Schools
Invoice E-Mail:

Purchase Order # (if applicable):
Quote #:

County / State origin of sample(s): Missouri

Regulatory Program (DW, RCRA, etc.) as applicable:

Get the Lead Out

DW PWSID # or WW Permit # as applicable:

Rush (Pre-approval required):
[] 2 Day [] 3 day [] 5 day [] Other

Date Results Requested: 9/27/23
Field Filtered (if applicable): [] Yes [X] No
Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected		Composite End		Res. CLZ		Number & Type of Containers	
			Date	Time	Date	Time	Time	Time	Plastic	Glass
02-01-117-KF-P-12	DW	G	9/13/23	0447	-	-	-	-	1	
02-01-H00C-BF-P-10	DW			0445						
02-01-H00C-BF-P-11	DW			0445						
02-02-00H-BF-P-16	DW			0502						
02-02-00H-BF-P-17	DW			0502						
02-02-00H-BF-P-18	DW			0502						
02-02-00H-BF-P-19	DW			0502						
02-02-00H-BF-P-20	DW			0503						
02-02-00H-BF-P-21	DW			0505						
02-02-00H-BF-P-25	DW			0511						

Customer Remarks / Special Conditions / Possible Hazards:

meet mg/L reporting limit
Electronic Deliverable

Collected By: Kelli Wellman
Printed Name: Kelli Wellman
Signature: Kelli Wellman

Received by/Company: (Signature)
Kelli Wellman (EWI)
Date/Time: 9/13/23

Received by/Company: (Signature)
Date/Time: 9/13/23

Received by/Company: (Signature)
Date/Time: 9/15/23 6:30

Received by/Company: (Signature)
Date/Time: 9-13-10-31

Received by/Company: (Signature)
Date/Time:

Received by/Company: (Signature)
Date/Time:

Received by/Company: (Signature)
Date/Time:

Received by/Company: (Signature)
Date/Time:

Tracking Number:
Delivered by: [] In Person [] Courier
[] FedEx [] UPS [] Other
Page: 3 of 4

CHAIN-OF-CUSTODY Analytical Request Document
 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

Pace* Location Requested (City/State): Pace Analytical Kansas, 9608 Loreet Blvd., Lenasa, KS 66219

Company Name: ENVIRONMENTAL WORKS
Street Address: 1731 LOCUST ST, Kansas City, MO 64108

Contact/Report To: Dercher, Rachel
Phone #: (816)285-8426
E-Mail: rdercher@environmentalworks.com
Cc E-Mail:

Invoice To: Frontier Schools
Invoice E-Mail:

Purchase Order # (if applicable):
Quote #:

Specify Container Size **
 125mL (5) 100mL (6) 40mL vial (7) EnCore (8)
 TerraCore (9) Other

Identify Container Preservative Type ***
 *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET
Data Deliverables:
 Level II [] Level III [] Level IV
 EQUIS
 Other

Regulatory Program (DW, RCRA, etc.) as applicable: Missouri
County / State origin of sample(s): Missouri

Rush (Pre-approval required): DW PWSID # or WW Permit # as applicable:
 2 Day [] 3 day [] 5 day [] Other

Date Results Requested: 9/27/23
Field Filtered (if applicable): [] Yes No
Analysis:

Customer Sample ID	Matrix *	Collected		Composite End		Res. CLZ	Number & Type of Containers		200.8 Lead	Preservation non-conformance identified for
		Comp / Grab	Date	Time	Date		Time	Plastic		
02-02-00H-BF-P-26	DW	G	9/13/23	0511			1		X	
02-02-00H-DW-P-22	DW			0508					X	
02-02-00H-DW-P-23	DW			0508					X	
02-02-00H-DW-P-24	DW			0509					X	
02-02-224-NF-P-27	DW			0515					X	
02-02-224-NF-P-28	DW			0516					X	
02-02-225-DW-P-29	DW			0519					X	
02-02-225-DW-P-31	DW			0523					X	
02-02-225-DW-P-32	DW			0522					X	
02-02-225-KF-P-30	DW			0519					X	

Customer Remarks / Special Conditions / Possible Hazards:
 Meet ImgtL reporting limit
 Electronic Deliverable

Collected By: Kali Wellman
Printed Name: Kali Wellman
Signature: Kali Wellman

Received by/Company: (Signature)
 Received by/Company: (Signature)
 Received by/Company: (Signature)
 Received by/Company: (Signature)

Date/Time: 9/13/23
Date/Time:
Date/Time:
Date/Time:

Tracking Number: 9-13/10:31
Date/Time: 9/15/2023/1:30
Date/Time:

Delivered by: [] In-Person [] Courier
 [] FedEx [] UPS [] Other

Page: 4 of 4

Pace

Sample Condition Upon Receipt Form (COC)
WO#: 35829430
 PM: BTS Due Date: 09/27/23
 CLIENT: PACHAZ

Project #
 Project Manager:
 Client:

Date and Initials of person:
 Examining contents: AS
 Label: _____
 Deliver: _____
 pH: _____
 Initials: CEJ

Thermometer Used: T-108 Date: 9-18-23 Time: 10:51

State of Origin: _____
 For WV projects, all containers verified to $\leq 6^\circ\text{C}$
 Cooler #1 Temp. $^\circ\text{C}$ 18.5 (Visual) 10.1 (Correction Factor) 18.6 (Actual)
 Cooler #2 Temp. $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #3 Temp. $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #4 Temp. $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #5 Temp. $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #6 Temp. $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Recheck for OOT $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Time: _____ Initials: _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____
 Shipping Method: Standard Overnight First Overnight Priority Overnight Ground International Priority Other: _____
 Billing: Recipient Sender Third Party Credit Card Unknown

Tracking # 6432 1392 1497

Custody Seal Present: Yes No Seal properly placed and intact: Yes No

Ice: Wet Blue Dry None Melted

Packing Material: Bubble Wrap Bubble Bags None Other: _____

Samples shorted to lab: Yes No (If yes, complete the following)

Shorted Date: _____ Shorted Time: _____
 Bottle Quantity / Type: _____

Chain of Custody:	Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Relinquished From Pace: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Sampler Name: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
	Relinquished To Pace: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sampling Date(s): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sampling Time(s): <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Samples Arrived within Hold Time	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Rush Turnaround Requested on COC	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Sufficient Volume	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Correct Containers Used	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Containers Intact	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
Sample Labels Match COC (Sample ID, Date/Time of Collection)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
All containers needing acid / base preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
All containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Exceptions: Vials, Microbiology, U&G, PHAS Headspace in Volatile Vials? (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Comments / Resolutions (use back for additional comments): _____ _____ _____	

Preservation Information
 Preservative: AA03 Date: 9/22/23
 Lot / Trace: 3514736 Time: 0904
 Amount added (mL): 1 Initials: AS



Pace Analytical Services, LLC

2231 W. Altorfer Drive

Peoria, IL 61615

(800)752-6651

September 27, 2024

Rachel L. Dercher
Environmental Works - Kansas City, MO
1731 Locust Street
Kansas City, MO 64108

RE: 233451.02_Frontier Elementary-Drinking Water Lead

Dear Rachel L. Dercher:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **9/21/24 11:45 am** and logged in under work order **HI04133**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read "Chenise Lambert-Sykes".

Chenise Lambert-Sykes
Project Manager
(314)432-0550
Chenise.Lambert-Sykes@pacelabs.com



SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

Work Order HI04133

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided



ANALYTICAL RESULTS

Sample: HI04133-01
Name: 02-01-00H-BF-P-6
Matrix: Drinking Water - Grab

Sampled: 09/17/24 05:30
Received: 09/21/24 11:45

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Lead	< 1.00	ug/L		09/25/24 10:58	1	1.00	09/25/24 13:37	BRS	EPA 200.8 REV 5.4



NOTES

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Chenise Lambert-Sykes, Project Manager

Internal Transfer Chain of Custody

HI04133105



State of Origin: MO

Cert. Needed: YES NO

Workorder: GLOXXXX

Workorder Name: 233451.02_Frontier Elementary - Drinking Water Lead

Owner Received Date: 9/20/2024

Results Requested By: 10/10/2024

Report To:	Subcontract To:	Requested Analysis									
Chenise Lambert-Sykes Pace Hazelwood 944 Anglum Road Hazelwood, MO 63042 Phone 800.333.3278	Pace Analytical Services-Peoria 2231 W Altorfer Drive Peoria, IL 61615 800.752.6651										

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers				DW Lead (Pb)	Turb Check	LAB USE ONLY	
1	02-01-00H-BF-P-6	Grab	9/17/2027	530	GLOXXXX-01	DW					X	X	
2													
3													
4													
5													
6													
7													
8													
9													
10													

Transfers	Released By	Date/Time	Received By	Date/Time	Comments
1	<i>[Signature]</i> EWE	9/20/2024	<i>[Signature]</i>	9/20/2024	*SAMPLES UNPRESERVED AT COLLECTION
2					
3				9/21/24 11:45	Report to 1PPB, EDD

Cooler Temperature on Receipt 6.0 °C Custody Seal Y or N Received on Ice Y or N Sample Intact Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

IR Gun # 15 Correction Factor (Deg C) 0.0
Observed Temp (Deg C) 6.0 Corrected Temp (Deg C) 6.0
Delivery Method: FedEx UPS Walk-in USPS Courier

300/2000

eris

[Handwritten scribbles]

[Handwritten scribbles]

ATTACHMENT C
Photo Documentation

Water Outlet Photo Documentation

FSI Elementary School
6700 Corporate Dr.,
Kansas City, Jackson County, Missouri 64120



Prepared by
Environmental Works, Inc.
1731 Locust Street
Kansas City, MO 64108

Prepared for
Frontier Schools
6800 Corporate Drive
Kansas City, MO 64120

September 13, 2023 and
September 17, 2024
Project # 233451.02



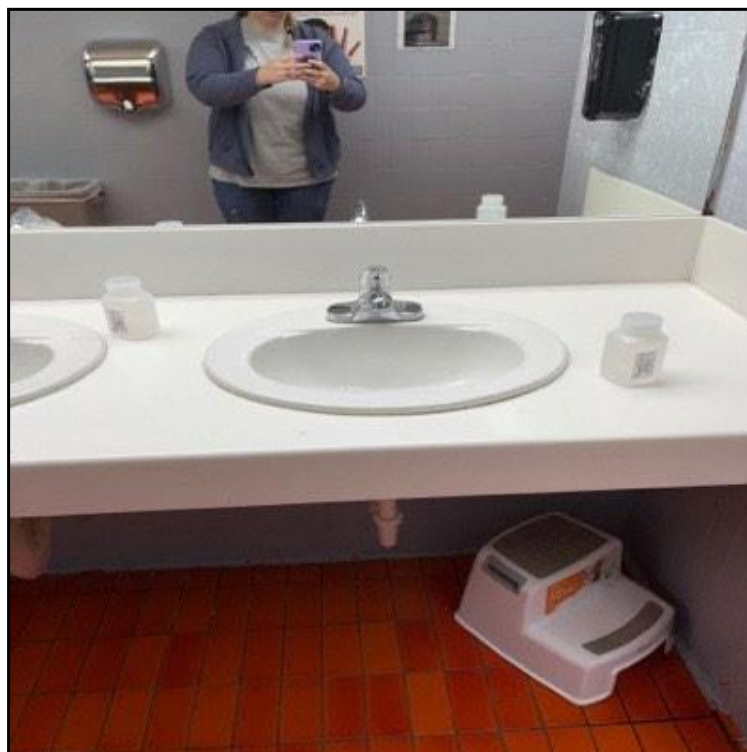
View of potential DWO and sample 02-01-00H-DW-P-1 and 02-01-00H-DW-P-2



View of potential DWO and sample 02-01-00H-BF-P-3



View of potential DWO and sample 02-01-00H-BF-P-4



View of potential DWO and sample 02-01-00H-BF-P-5



View of potential DWO and sample 02-01-00H-BF-P-6
(No sample taken. Outlet is offline.)



View of potential DWO and sample 02-01-00H-BF-P-7



View of potential DWO and sample 02-01-00C-DW-P-8



View of potential DWO and sample 02-01-00C-DW-P-9



View of potential DWO and sample 02-01-H00C-BF-P-10



View of potential DWO and sample 02-01-H00C-BF-P-11



View of potential DWO and sample 02-01-117-KF-P-12



View of potential DWO and sample 02-01-117-HW-P-13



View of potential DWO and sample 02-01-109-CF-P-14



View of potential DWO and sample 02-01-101-DW-P-15



View of potential DWO and sample 02-02-00H-BF-P-16



View of potential DWO and sample 02-02-00H-BF-P-17



View of potential DWO and sample 02-02-00H-BF-P-18



View of potential DWO and sample 02-02-00H-BF-P-19



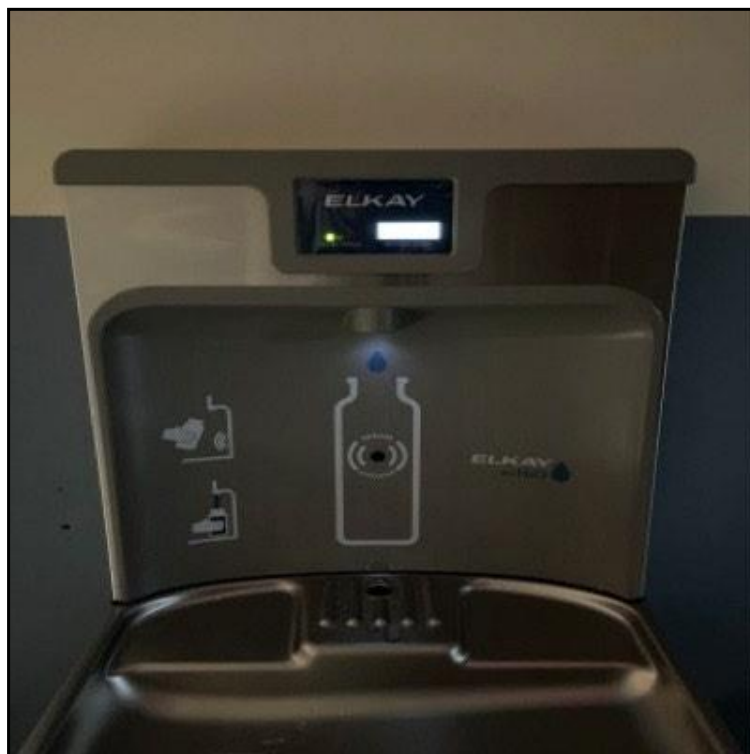
View of potential DWO and sample 02-02-00H-BF-P-20



View of potential DWO and sample 02-02-00H-BF-P-21



View of potential DWO and sample 02-02-00H-DW-P-22



View of potential DWO and sample 02-02-00H-DW-P-23



View of potential DWO and sample 02-02-00H-DW-P-24



View of potential DWO and sample 02-02-00H-BF-P-25



View of potential DWO and sample 02-02-00H-BF-P-26



View of potential DWO and sample 02-02-224-NF-P-27



View of potential DWO and sample 02-02-224-NF-P-28



View of potential DWO and sample 02-02-225-DW-P-29



View of potential DWO and sample 02-02-225-KF-P-30



View of potential DWO and sample 02-02-225-DW-P-31



View of potential DWO and sample 02-02-225-DW-P-32



View of potential DWO and sample 02-02-201-CF-P-33



View of potential DWO and sample 02-01-00H-BF-P-6
(Initial sample taken following notice of repairs. Outlet
was offline during September 13, 2023 sampling.)