

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 Central Office
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) Central Office located at 6800 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 retesting 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 Statues 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 fifteen (15) micrograms per liter (ug/L) or parts per billion (ppb); however, RSMo 160.077 requires that all Missouri schools achieve a five (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 November 7, 2024, EWI collected a total of 16 "first draw" samples from DWOs identified in the inventory including two additional DWOs that were installed 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 (Pace), a certified Missouri Drinking Water laboratory, for analysis of

lead by Method 200.8. Frontier Central 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 concentrations of lead above the Missouri Lead in Drinking Water limit of 5 ug/L and EPA drinking water standard of 15 ug/L in one (1) outlet. The remaining 15 lead results were below the Missouri Lead in Drinking Water limit and/or the laboratory detection limit (<1.0 ug/L).

Subsequent Sampling and Testing

After remedial activities outlined in the next section were conducted, subsequent sampling was performed. On November 7, 2024, one (1) "first draw" sample was collected from the remediated outlet (outlet ID 7). Results of the subsequent sampling are summarized in **Table 1**, with the laboratory analytical report provided as **Attachment B**. The remediated outlet sample was below the Missouri schools limit of 5 ug/L and/or not detected (<1.0 ug/L).

Remedial Action Plan and Implementation

The Frontier Schools District conducted remedial action to address lead over 5 ug/L from the one outlet which tested above the Missouri Lead in Drinking Water limit. Remediation activities included removal and replacement of the faucet. The remediated outlet was flushed for at least 10 minutes and allowed a stagnation period of 8 to 18 hours prior to subsequent sampling.

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 at the bottom of **Table 1**.

Summary & Recommendations

The September 2023 and November 2024 sampling results indicate all outlets utilized within the Frontier Central Office 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.

Environmental Works, Inc. Page 2 of 3

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 building. 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:

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

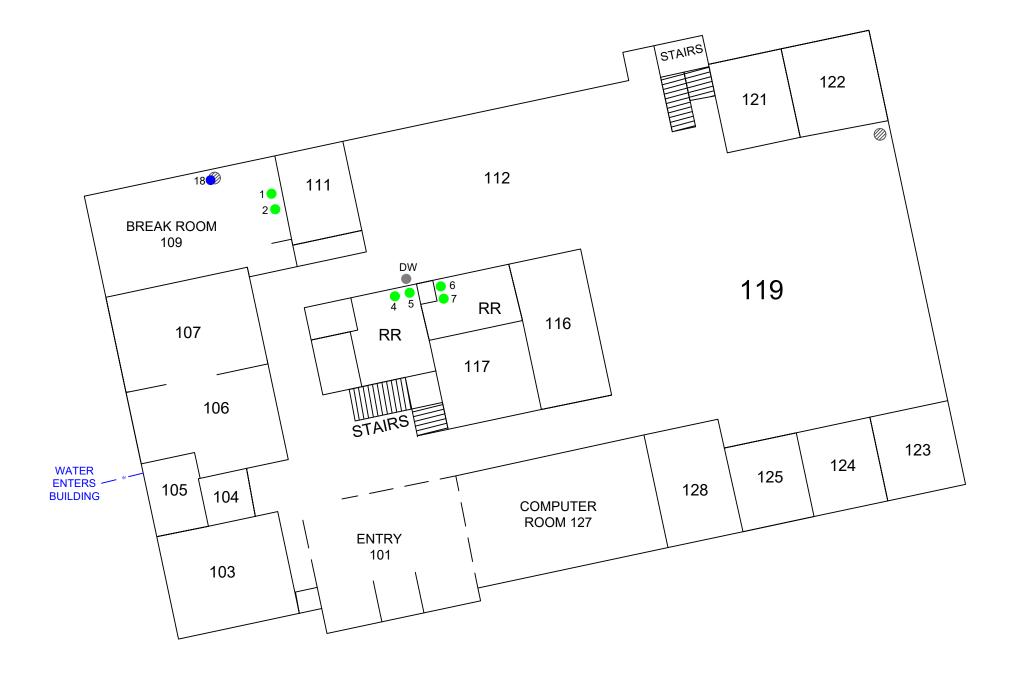
Attachment B – Laboratory Analytical Report

Attachment C – Photo Documentation

Environmental Works, Inc. Page 3 of 3

FIGURES

FIRST FLOOR



	LEGEND
APPROXIMATE OUTLET LOCATIONS:	BF BATHROOM FAUCET
OUTLET (FAUCET)	CF CLASSROOM FAUCET
OUTLET (DRINKING WATER)	SF SHOWER FAUCET
NON-OPERATIONAL OUTLET	DW DRINKING WATER
	RR RESTROOM
X JANITORS FAUCET	SERVICED BY WATER DISTRIBUTOR (NOT SAMPLED)

NORTH

CHECKED BY: R. DERCHER

E.W.I. # 233451.01 NOT TO SCALE DRAWN BY: TW Nov. 13, 2023



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

FRONTIER SCHOOLS CENTRAL OFFICE 6800 CORPORATE DRIVE KANSAS CITY, JACKSON COUNTY, MISSOURI FIGURE

1

SECOND FLOOR



		LEG	END	
A	PPROXIMATE OUTLET LOCATIONS:	BF	BATHROOM FAUCET	
	OUTLET (FAUCET)	CF	CLASSROOM FAUCET	
	OUTLET (DRINKING WATER)	SF	SHOWER FAUCET	
	,	DW	DRINKING WATER	
	NON-OPERATIONAL OUTLET	RR	RESTROOM	
	X JANITORS FAUCET	0	SERVICED BY WATER DISTRIBUTOR (NOT SAMPLED)	

NORTH

CHECKED BY: R. DERCHER

E.W.I. # 233451.01 DRAWN BY: TW Nov. 13, 2023



Kansas City Office Location: 1731 Locust Street Kansas City, MO 64108 Phone: (417) 890-9500 BUILDING DIAGRAM 2ND FLOOR

FRONTIER SCHOOLS CENTRAL OFFICE 6800 CORPORATE DRIVE KANSAS CITY, JACKSON COUNTY, MISSOURI FIGURE

2

TABLE

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

	Program Sample ID					Lead Results					Lead Results
Map ID	Format (Bldg-floor-Rm-Outlet- Type-Sample Number)	Outlet Type	Location (hall, room #, etc.)	Sample Type	Initial Sample Date	200.8 Method ug/L (ppb)	Remedial Activity	Sample Type	Subsequent Sample Program ID	Subsequent Sample Date	200.8 Method ug/L (ppb)
1	01-01-109-KF-P-1	Faucet	Rm. 109, kitchen	First Draw	9/13/2023	<1.0	N/A				
2	01-01-109-CW-P-2	Dishwasher, cleaning water	Rm. 109, kitchen	First Draw	9/13/2023	1.0	N/A				
4	01-01-112-BF-P-4	Faucet 1, Bathroom	Rm. 112, bathroom, W	First Draw	9/13/2023	3.2	N/A				
5	01-01-112-BF-P-5	Faucet 2, Bathroom	Rm. 112, bathroom, E	First Draw	9/13/2023	<1.0	N/A				
6	01-01-112-BF-P-6	Faucet 1, Bathroom	Rm. 112, bathroom, N	First Draw	9/13/2023	1.9	N/A				
7	01-01-112-BF-P-7	Faucet 2, Bathroom	Rm. 112, bathroom, S	First Draw	9/13/2023	15.7	Faucet Replaced	First Draw	01-01-112-BF-S-7	11/7/2024	<1.0
8	01-02-203-BF-P-8	Faucet, Bathroom	Rm. 203, single bathroom	First Draw	9/13/2023	2.1	N/A				
9	01-02-213-BF-P-9	Faucet 1, Bathroom	Rm. 213, bathroom, N	First Draw	9/13/2023	<1.0	N/A				
10	01-02-213-BF-P-10	Faucet 2, Bathroom	Rm. 213, bathroom, S	First Draw	9/13/2023	2.1	N/A				
11	01-02-216-BF-P-11	Faucet 1, Bathroom	Rm. 216, bathroom, N	First Draw	9/13/2023	<1.0	N/A				
12	01-02-216-BF-P-12	Faucet 2, Bathroom	Rm. 216, bathroom, S	First Draw	9/13/2023	<1.0	N/A				
14	01-02-219-KF-P-14	Faucet	Rm. 219, kitchen	First Draw	9/13/2023	<1.0	N/A				
15	01-02-219-DW-P-15	Refrigerator Water	Rm. 219, kitchen	First Draw	9/13/2023	<1.0	N/A				
17	01-02-218-BF-P-17	Faucet, Bathroom	Rm. 218, single bathroom	First Draw	9/13/2023	<1.0	N/A				
18	01-01-109-DW-P-18	New Water Dispenser Added	Rm. 109, kitchen	First Draw	11/7/2024	<1.0	N/A				
19	01-02-219-DW-P-19	New Water Dispenser Added	Rm. 219, kitchen	First Draw	11/7/2024	<1.0	N/A				
16	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

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

Outlet Type	Location	Note
Water Cooler (Filtered Jugs)	1st Floor, Rm. 109, kitchen	No direct water source from building; Filtered
	11st Floor Rm 119 Office	water maintained by service contract
Water Fountain (Cooler)	1st Floor, Rm. 112, Tech Classroom, location 3	Fountain turned off for removal

ATTACHMENT A School Contact Information

School District and Contact Information

School Name: Frontier Central Office

School District: Frontier School District

Building ID: 01

School Type: Charter

School Address: 6800 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 Central Office	Administrative;	Limited 4th –	6800 Corporate Dr.
	Limited	12th	Kansas City, MO 64120

ATTACHMENT B Laboratory Analytical Report



October 09, 2023

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

RE: Frontier Central Office-233451.01

Dear Rachel L. Dercher, RG:

Please find enclosed the analytical results for the **14** sample(s) the laboratory received on **9/15/23 4:23 pm** and logged in under work order **GI02722**. 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.

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 GI02722
Y	Samples received within temperature compliance when applicable
Y	COC present upon sample receipt
Y	COC completed & legible
Y	Sampler name & signature present
Y	Unique sample IDs assigned
Y	Sample collection location recorded
Y	Date & time collected recorded on COC
Y	Relinquished by client signature on COC
Y	COC & labels match
Y	Sample labels are legible
Y	Appropriate bottle(s) received
Y	Sufficient sample volume received
Y	Sample containers received undamaged
Y	Zero headspace, <6 mm present in VOA vials
	O Trip blank(s) received
Y	ES All non-field analyses received within holding times
Y	Short hold time analysis
Y	Current PDC COC submitted

Case narrative provided

Customer #: 72-101013 www.pacelabs.com

NO



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.

Customer #: 72-101013



ANALYTICAL RESULTS

Sample: Name:							Sampled: Received:		
Reg ID:						ı	PO #:		
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method



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

TNI TNI TNI TNI



September 26, 2023

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

RE: Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

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

Badles Smith

Project Manager

Enclosures





8 East Tower Circle Ormond Beach, FL 32174 (386)672-5668

CERTIFICATIONS

Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

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

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

REPORT OF LABORATORY ANALYSIS



SAMPLE ANALYTE COUNT

Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
35829434001	01-01-109-CW-P-2	EPA 200.8	EAP	1	PASI-O
35829434002	01-01-109-KF-P-1	EPA 200.8	EAP	1	PASI-O
35829434003	01-01-112-BF-P-4	EPA 200.8	EAP	1	PASI-O
35829434004	01-01-112-BF-P-5	EPA 200.8	EAP	1	PASI-O
35829434005	01-01-112-BF-P-6	EPA 200.8	EAP	1	PASI-O
35829434006	01-01-112-BF-P-7	EPA 200.8	EAP	1	PASI-O
35829434007	01-02-203-BF-P-8	EPA 200.8	EAP	1	PASI-O
35829434008	01-02-213-BF-P-10	EPA 200.8	EAP	1	PASI-O
35829434009	01-02-213-BF-P-9	EPA 200.8	EAP	1	PASI-O
35829434010	01-02-216-BF-P-11	EPA 200.8	EAP	1	PASI-O
35829434011	01-02-216-BF-P-12	EPA 200.8	EAP	1	PASI-O
35829434012	01-02-218-BF-P-17	EPA 200.8	EAP	1	PASI-O
35829434013	01-02-219-DW-P-15	EPA 200.8	EAP	1	PASI-O
35829434014	01-02-219-KF-P-14	EPA 200.8	EAP	1	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

REPORT OF LABORATORY ANALYSIS



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-01-109-CW-P-2 Lab ID: 35829434001 Collected: 09/13/23 05:55 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 Preparation Method: EPA 200.8 Pace Analytical Services - Ormond Beach 1.0 Lead ug/L 1.0 09/25/23 04:31 09/25/23 16:27 7439-92-1



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-01-109-KF-P-1 Lab ID: 35829434002 Collected: 09/13/23 05:46 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:29 7439-92-1

REPORT OF LABORATORY ANALYSIS



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-01-112-BF-P-4	Lab ID: 3	829434003	Collected: 09/13/2	23 05:53	Received: 09	9/15/23 10:30	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Mo	ethod: EPA 20	00.8					
	Pace Analyti	cal Services	Ormond Beach					
Lead	3.2	ua/l	1.0	1		09/23/23 14:3	1 7/30-02-1	



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-01-112-BF-P-5 Lab ID: 35829434004 Collected: 09/13/23 05:53 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:32 7439-92-1



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-01-112-BF-P-6	Lab ID: 358	329434005	Collected: 09/13/2	23 05:56	Received: 09	9/15/23 10:30	Matrix: Drinking	Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.8 MET ICPMS Drinking Water	Analytical Met	Analytical Method: EPA 200.8							
	Pace Analytic	al Services - 0	Ormond Beach						

REPORT OF LABORATORY ANALYSIS



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-01-112-BF-P-7	Lab ID: 358	29434006	Collected: 09/13/2	23 05:57	Received: 09	9/15/23 10:30	Matrix: Drinking	Water
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.8 MET ICPMS Drinking Water	Analytical Met		0.8 Ormond Beach					
Lead	15.7	ug/L	1.0	1		09/23/23 14:38	7439-92-1	

REPORT OF LABORATORY ANALYSIS



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-203-BF-P-8	Lab ID: 35	829434007	Collected: 09/13/2	23 06:04	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 Me	Analytical Method: EPA 200.8								
	Pace Analytic	al Services -	Ormond Beach							



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-213-BF-P-10	Lab ID: 35829434008		Collected: 09/13/23 06:09		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	2.1	ug/L	1.0	1		09/23/23 14:4	1 7439-92-1	



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-213-BF-P-9 Lab ID: 35829434009 Collected: 09/13/23 06:09 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:42 7439-92-1



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-216-BF-P-11 Lab ID: 35829434010 Collected: 09/13/23 06:12 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:44 7439-92-1

REPORT OF LABORATORY ANALYSIS



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-216-BF-P-12 Lab ID: 35829434011 Collected: 09/13/23 06:12 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:45 7439-92-1



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-218-BF-P-17 Lab ID: 35829434012 Collected: 09/13/23 06:20 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:46 7439-92-1



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-219-DW-P-15 Lab ID: 35829434013 Collected: 09/13/23 06:18 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:48 7439-92-1



Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Sample: 01-02-219-KF-P-14 Lab ID: 35829434014 Collected: 09/13/23 06:16 Received: 09/15/23 10:30 Matrix: Drinking Water DF **Parameters** Results Units Report Limit Prepared Analyzed CAS No. Qual 200.8 MET ICPMS Drinking Water Analytical Method: EPA 200.8 Pace Analytical Services - Ormond Beach ND 1.0 Lead ug/L 1 09/23/23 14:49 7439-92-1



QUALITY CONTROL DATA

Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

QC Batch: 952232 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: 35829434002, 35829434003, 35829434004, 35829434005, 35829434006, 35829434007, 35829434008,

35829434009, 35829434010, 35829434011, 35829434012, 35829434013, 35829434014

METHOD BLANK: 5236259 Matrix: Water

Associated Lab Samples: 35829434002, 35829434003, 35829434004, 35829434005, 35829434006, 35829434007, 35829434008,

35829434009, 35829434010, 35829434011, 35829434012, 35829434013, 35829434014

Blank Reporting

Parameter Units Result Limit Analyzed Qualifiers

Lead ug/L ND 1.0 09/23/23 14:56

LABORATORY CONTROL SAMPLE: 5236260

LCS LCS Spike % Rec Parameter Units Conc. Result % Rec Limits Qualifiers Lead ug/L 50 47.1 94 85-115

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5236255 5236256

MS MSD 35827885038 Spike Spike MS MSD MS MSD % Rec Parameter Units Result Conc Conc. Result Result % Rec % Rec Limits **RPD** Qual 0.0023 50 50 51.4 51.0 98 97 70-130 1 Lead ug/L mg/L

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5236257 5236258

MS MSD Spike 35829434014 Spike MS MSD MS MSD % Rec **RPD** Parameter Units Result Conc. Conc. Result Result % Rec % Rec Limits

Lead ug/L ND 50 50 46.4 48.7 93 97 70-130 5

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

Qual



QUALITY CONTROL DATA

Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

QC Batch: 952431

QC Batch Method: EPA 200.8 Analysis Method:

ND

EPA 200.8

Analysis Description:

200.8 MET Drinking Water

Laboratory:

Pace Analytical Services - Ormond Beach

Associated Lab Samples: 35829434001

METHOD BLANK: 5236954 Matrix: Water

Associated Lab Samples: 35829434001

Parameter

Parameter

Blank

Result

Reporting

Limit

Analyzed

Qualifiers

Lead ug/L

LABORATORY CONTROL SAMPLE: 5236955

Units

ug/L

Spike

LCS Result

LCS % Rec

1.0 09/25/23 16:21

% Rec Limits

Lead

Parameter

Lead

Units ug/L

35829434001

Result

Units

Conc. 50

45.8

92

Qualifiers

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:

5236956

MSD

Spike

50

Conc.

50

44.8

MSD

88

85-115

% Rec

RPD

Qual

1.0

MS

Spike Conc.

MS Result

44.9

5236957

MSD Result

MS % Rec

% Rec

88

Limits

70-130 0

Date: 09/26/2023 10:44 AM

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.



QUALIFIERS

Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

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

Date: 09/26/2023 10:44 AM

U Compound was analyzed for but not detected.



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GI02722 Frontier Central Offic

Pace Project No.: 35829434

Date: 09/26/2023 10:44 AM

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
35829434001	01-01-109-CW-P-2	EPA 200.8	952431	EPA 200.8	952519
35829434002	01-01-109-KF-P-1	EPA 200.8	952232		
35829434003	01-01-112-BF-P-4	EPA 200.8	952232		
35829434004	01-01-112-BF-P-5	EPA 200.8	952232		
35829434005	01-01-112-BF-P-6	EPA 200.8	952232		
35829434006	01-01-112-BF-P-7	EPA 200.8	952232		
35829434007	01-02-203-BF-P-8	EPA 200.8	952232		
35829434008	01-02-213-BF-P-10	EPA 200.8	952232		
35829434009	01-02-213-BF-P-9	EPA 200.8	952232		
35829434010	01-02-216-BF-P-11	EPA 200.8	952232		
35829434011	01-02-216-BF-P-12	EPA 200.8	952232		
35829434012	01-02-218-BF-P-17	EPA 200.8	952232		
35829434013	01-02-219-DW-P-15	EPA 200.8	952232		
35829434014	01-02-219-KF-P-14	EPA 200.8	952232		

Internal Transfer Chain of Custody

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29	
58	
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No × ate of Origin: MO rt. Needed:

Pace Analytical

9/14/2023 **Jwner Received** Date:

Frontier Central Ullice

233451.01-Drinking

Subcontract To:

Chenise Lambert-Sykes

Workorder: GI02722

Report To:

Hazelwood, MO 63042

944 Anglum Road

Pace Hazelwood

Phone 800.333.3278

Workorder Name:

9/27/2023

Results Requested

Requested Analysis

By:

Pace Analytical Ormand Beach

Ormond Beach, FL 32174

386-672-5668

8 East Tower Circle

DW Lead (Pb)

Preserved Containers

Turb Check

Matrix 2

LAB USE ONLY

A O M Mα M

> 0555 0546

Collect Date/Time 9/13/2023 9/13/2023 9/13/2023 9/13/2023

Sample Type

Grab Grab Grab

01-01-109-CW-P-2

Item Sample ID

01-01-109-KF-P-1

01-01-112-BF-P-4 01-01-112-BF-P-5 01-01-112-BF-P-6

0553 0556

Grab

0553

Μ GI02722-01 Lab ID

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Μ ΜQ M GI02722-02 GI02722-03 GI02722-04 GI02722-05 GI02722-06 GI02722-08 GI02722-09 GI02722-07

1000 2 Reveived By GI02722-10 Date/Time 0612 9/13/2023

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01-02-213-BF-P-10

01-02-203-BF-P-8

01-01-112-BF-P-7

01-02-216-BF-P-11

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Transfers | Released By

01-02-213-BF-P-9

0604

0557

9/13/2023 9/13/2023 9/13/2023 9/13/2023

9/13/2023

Grab Grab Grab Grab Grab Grab

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Cooler Temperature on Receipt

Custody Seal 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,

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1

INT SAMP. ID; Proj. Frontier Central Office 233451.01 PRO

Sample Intact Yor N

Received on Ice Y or N

10 DAY TAT, Report to 1PPB, STD EXCEL EDD

9 115/23 103 0 *SAMPLES UNPRESERVED AT COLLECTION

Comments

Date/Time

Page 27 of 34

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							State of Origin: MO Cert. Needed:	YES X NO		Face Analytical
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The poor			onne	Suproninger 10:				Rec	Requested Analysis	
Chenise	Chenise Lambert-Sykes									
Pace Hazelwood	elwood		Pace	Analytical O	Pace Analytical Ormand Beach					
944 Anglum Road	um Road		8 Eas	8 East Tower Circle	Ð					
Hazelwoo	Hazelwood, MO 63042 Phone 800 333 3278		Ormo	Ormond Beach, FL 32174	L 32174					
				2000			Preserved Containers	(dq)		
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1 01-(01-02-216-BF-P-12	Grab	9/13/2023	0612	GI02722-11	ΜQ		_		
2 01-(01-02-218-BF-P-17	Grab	9/13/2023	0620	GI02722-12	DW		×		
3 01-0	01-02-219-DW-P-15	Grab	9/13/2023	0618	GI02722-13	ΜQ		×		
4 01-0	01-02-219-KF-P-14	Grab	9/13/2023	0616	GI02722-14	DW		×		
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					1 /					

Sample Intact Y or N
 Cooler Temperature on Receipt
 "C \ ______"C
 Custody Seal. Y or N
 Received on Ice Y or N
 Sample

 ***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.

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1

Page 23 of 28 Page 28 of 34

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Colon billing this is to be applicable Colon billing this is to be applica					Specify Container Size **	125mL, (2) 30mL, (6) 40mL vial, (7) Encore, (8)
	Site Collection Info/Facility ID (as applicable);		Purchase Order # (f		Identify Container Preservative Type***	"=" Preservative Types: (1) None, (2) HNO3, (3)
			Quote #:		Analysis Requested	NaHSO4, (4) Tru, (3) NaOrt, (9) An Accade, (7) NaHSO4, (8) Sod, Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other
	TA[]	1 30	County / State orig n of sample(s):	Missouri		1
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01-02-213-BF-P-9 DW O6612 X X P	01-02-213-BF-P-10	Md	_		×	
101-02-216-BF-P-11 DW Dot Dot Dot Date/Time: DW Dot Date/Time:	01-02-213-BF-P-9	DW	6090		×	
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County State origin of sample(s): March 1 1 1 1 1 1 1 1 1	Analysis Requested	H2SO4 (4) HCI (5) NaOH: (6) 7n Acetate (7)
County State crigin of sample 3 Number 1 Numb	Analysis kequested	NaHSO4, (8) Sod Thiosulfate, (9) Ascorbic Acid, (10)
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Televician Tel		
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artix Codes (Insert in Matrix box below); Erinking Water (DW), Ground water (GW), Waste water (WW), Product (P), Soil/Soilid (SS), Pr (OT), Surface Water (SW), Sediment (SED), Sludge (St), Caulk Oustomer Sample ID DW G q/13/2023 0618 1-02-219-DW-P-15 DW G q/13/2023 0618 1-02-219-DW-P-16 DW G q/13/2023 0618 1-02-219-KF-P-14 DW G q/13/2023 0618 DW G d/13/2023 06		Hazelwood event
1-02-218-BF-P-17 DW G 4/13/20.33 Obit	Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V),	
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11-02-218-BF-P-17 11-02-219-DW-P-15 11-02-219-DW-P-15 11-02-219-KF-P-14 11-02-219-KF-	Plastic Glass	
11-02-219-DW-P-15 13-02-219-DW-P-15 11-02-219-KF-P-14 11-02-219-KF-	×	
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quished by/Company: (Signature) FWT Date/Time: 9/(2/5)? Reco	# Coolers: Thermometer ID: Correction	Correction Factor ("C): Obs. Temp. ("C) Corrected Temp. ("C)
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witting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Condition	ons found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/	ENV-FRM-CORQ-0019 v01 082123 @

alqris *** Preservative Types: (1) None, (2) HNO3, (3)
H2SO4, (4) HCJ, (5) NaOH, (6) Zn Acetate, (7)
NaHSO4, (8) Sod, Thiosulfate, (9) Ascorbic Acid, (10) Preservation non-conformance Identified for Corrected Temp, (°C) **Container Size: (1) 11, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) ENV-FRM-CORQ-0019_v01_082123 @ []FedEX []UPS []Other Delivered by: [] In- Person [] Courier Sample Comment Chenise Lambert-Sykes relog / Bottle Ord. ID: AcctNum / Client ID: ō Hazelwood event Profile / Template: Obs. Temp. (°C) FerraCore, (9) Other MeOH, (11) Other Proj. Mgr.: 1143132 Lab Use Only Profile / LAB USE ONLY- Affix Workorder/Login Label Here racking Number Page: Correction Factor ("C): Scan QR Code for instructions Identify Container Preservative Type*** Additional Instructions from Pace®: Specify Container Size ** Thermometer ID: Analysis Requested itting a sample via this chain of custady constitutes acknowledgment and acceptance of the Pace* Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/ Date/Time: \times × \times \times \times × × \times × × 200,8 Lead Number & Type of Containers Plastic Glass * Matrix Codes (Insert in Matrix box below): Linking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Soild (SS), Oil (OU), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk Field Filtered (if applicable): [] Yes [🗸 No CHAIN-OF-CUSTODY Analytical Request Document DW PWSID # or WW Permit # as applicable; Collected By: Rachel Derche Res. CL2 Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields Time Regulatory Program (DW, RCRA, etc.) as applicable: Get the Less Out Received by/Company: (Signature) Received by/Company; (Signature) rdercher@environmentalworks.com Composite End Printed Name: Date Frantier Schools Missouri Analysis Signature: Dercher, Rachel (816)285-8426 3/13/2013 0555 County / State origin of sample(s): 9/13/2003 OSA6 9/13/2023 0553 (or Composite Start)
Date Ti Rush (Pre-approval required): []2 Day []3 day []5 day []Other 04/27/2023 Collected 9/13/23 Contact/Report To: urchase Order # (if Ivoice E-Mail: voice To: applicable): Cc E-Mail: Quote #: E-Mail: Date/Time: Date/Time: Matrix * Comp / Grab <u></u> Date Results 9 ഗ Requested: DΝ Μ Š M Š Š Š M Δ Š] [1731 LOCUST ST, Kansas City, MO 64108 []ct 233451.01 Frontier Central Office 9608 Loiret Blvd., Lenexa, KS 66219 [] [] Level IV ENVIRONMENTAL WORKS Pace Analytical Kansa Customer Sample 10 ite Collection Info/Facility ID (as applicable): Electronic delinerabl []PT [] Level III Customer Remarks / Special Con hed by/Company: (Signature) shed by/Company: (Signature) hed by/Company: (Signature) shed by/Company: (Signature [] AK 01-01-109-CW-P-2 01-01-109-KF-P-1 01-01-112-BF-P-4 Расе ime Zone Collected: ustomer Project #: Jata Deliverables: ompany Name: treet Address: [V Level II oject Name: [] Equis [] Other Page 31 of 34

DC#_Irtle: ENV-FRM-ORB1-0093 Sample Condition Upon Receipt Form Version: 3 | Effective Date: 12/29/2021 | Issued by: Ormond Beach

Sample Condition Upon Receipt Form (SCUR)

Project #

WO#: 35829434

Project Manager:

PM: BTS

Due Date: 09/27/23

Client:

CLIENT: PACHAZ

1 400	
Date and Initials of person:	
Examining contents:	
Label:	
Deliver:	
рН:	
Initials: FASI	

1.451	¥	рН:	
Thermometer Used:	Date: 9/15/23	Time: 1038 Initials: EAS	
State of Origin:	☐ For WV projects, all contain		
Cooler #1 Temp.°C 10 (Visual)	(Correction Factor)	12	
Cooler #2 Temp,°C(Visual)		process has begun,	
Cooler #3 Temp.°C(Visual)		a sumples of ice, cooling process has begun.	
Cooler #4 Temp.°C(Visual)	(Correction Factor)	and the state of t	
Cooler #5 Temp.°C(Visual)	(Correction Factor)	process has begun	
Cooler #6 Temp.°C(Visual)	(Correction Factor)	stribe, cooling process has begun.	
Recheck for OOT °C(Visual)	(Contraction Factor)	(Actual) ☐ Samples on ice, cooling process has begun.	
Courier: Fed Ex DUPS DUSPS Client Commerce	(Correction Factor)	(Actual) Time: Initials:	
Shipping Method: Standard Overnight First Overnight	APposits Oursell Se		
Billing: Recipient Sender Third Party Credit Card	☐Unknown	☐International Priority ☐Other:	
Tracking # 632 1	300 1468		
Custody Seal Present: A Seal properly placed a	12/100		
Packing Material: Bubble Wrap Bubble Bags None		ice: □Wet □Blue □Dry None □Melted	
	□ Other:		
Samples shorted to lab: ☐Yes ☐No (If yes, complete the folk Shorted Date:	owing)		
Bottle Quantity / Type:		Shorted Time:	
	market and the second		
Chain of Custody: Present: Yes No Filled Out: Yes	□No □N/A Relinquished Fron	m Pace: □Yes □No □N/A Sampler Name: □Yes □No □N/A	
Relinquished To Pace: Yes No NA	Sampling Date(s)	Tampier Haine. Lifes Lino Lin/A	
Samples Arrived within Hold Time		O TN/A I Sampling Time to Company	
	EYes ONO ON/A	o □N/A Sampling Time(s): □Yes □No □N/A Comments:	
Rush Turnaround Requested on COC	Yes No NA	○ □N/A Sampling Time(s): □Yes □No □N/A Comments: Comments:	
Rush Turnaround Requested on COC. Sufficient Volume	Yes No NA	Comments;	
Rush Turnaround Requested on COC. Sufficient Volume Correct Containers Used.	☐Yes ☐No ☐N/A	Comments:	
Rush Turnaround Requested on COC. Sufficient Volume Correct Containers Used. Containers Intact.	Tyes INO IN/A IYes INO IN/A IYes INO IN/A IYes INO IN/A	Comments: Camments Camments	
Rush Turnaround Requested on COC. Sufficient Volume Correct Containers Used. Containers Intact. Sample Labels Match COC (Sample ID, Date/Time of Collection).	Yes	Comments: Camments Comments Comments	
Rush Turnaround Requested on COC. Sufficient Volume Correct Containers Used. Containers Intact.	Yes ONO ON/A OYES ONO ON/A	Comments: Camments Comments Comments: Comments: Comments:	
Rush Turnaround Requested on COC. Sufficient Volume Correct Containers Used. Containers Intact. Sample Labels Match COC (Sample ID, Date/Time of Collection).	Yes	Comments Comments Comments Comments Comments: Comments: Preservation Information	
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Inte	rnal Transfer Chain of Custody	,																9	フ	
							St	ate of	Origin	: MO							_ /	P	ace	Analytical®
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Pho	ne 800.333.3278		386-6	572-5668				_] [2	2								
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	Sample ID	Sample Type	Collect Date/	_	Lab ID	722.04	Matrix			+				_	-		+	₩	$+$ $^{\text{L}}$	AB USE ONLY
1	01-01-109-CW-P-2	Grab	9/13/2023	0555		722-01	DW			+	X	_		_	-		+	₩	+	
2	01-01-109-KF-P-1	Grab	9/13/2023	0546		722-02	DW			+	X	_					—	₩	+	
3	01-01-112-BF-P-4	Grab	9/13/2023	0553		722-03	DW			+	Х	_					_	₩	+	
4	01-01-112-BF-P-5	Grab	9/13/2023	0553		722-04	DW			$\perp \perp$	Х	_					┷	\sqcup	+	
5	01-01-112-BF-P-6	Grab	9/13/2023	0556		722-05	DW				Х	_						\sqcup	\bot	
6	01-01-112-BF-P-7	Grab	9/13/2023	0557		722-06	DW				Х	_					\bot	\sqcup	_	
7	01-02-203-BF-P-8	Grab	9/13/2023	0604	+	722-07	DW				Х	_					\bot	\sqcup	_	
8	01-02-213-BF-P-10	Grab	9/13/2023	0609		722-08	DW				Х	_					$oldsymbol{\perp}$	Ш		
9	01-02-213-BF-P-9	Grab	9/13/2023	0609	GI027	722-09	DW				Х	Х						Ш	丄	
	01-02-216-BF-P-11	Grab	9/13/2023	0612	GI027	722-10	DW			Ш	Х						丄	Ш	丄	
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2													10 E	DAY T	AT. Re	port t	to 1P	PB. ST	D EX	CEL EDD

Cooler Temperature on Receipt °C	Custody Seal Y or N	Received on Ice Y or N	Sample Intact Y or N
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ENT SAMP. ID; Proj. Frontier Central Office 233451.01 PRO

^{***}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.

Inter	nal 1	Transfer Chain of Custoo	dy																	ر	0	7	
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Item	Sam	ple ID	Sample Type	Collect Date/	Гime	Lab ID	N	/latrix					2	Ţ								LAE	B USE ONLY
1	01-0	2-216-BF-P-12	Grab	9/13/2023	0612	GI027	722-11 D	W					Х	Χ									
	01-0	2-218-BF-P-17	Grab	9/13/2023	0620	GI027	722-12 D	W					Х	Х									
	01-0	2-219-DW-P-15	Grab	9/13/2023	0618	GI027	722-13 D	W					Х	Х									
	01-0	2-219-KF-P-14	Grab	9/13/2023	0616	GI027	722-14 D	W					Х	Х									
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3														ENT	SAN	1P. ID	; Proj	. Fron	ntier C	entr	al Off	ice 23	3451.01 PRC

Cooler Temperature on Receipt °C		Custody Seal Y or N	Received on Ice Y or N	Sample Intact Y or N
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FMT-ALL-C-002rev.00 24March2009

^{***}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.



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

November 23, 2024

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

RE: 233451.01_ Frontier Central Office - Drinking Water Lead

Dear Rachel L. Dercher:

Please find enclosed the analytical results for the 3 sample(s) the laboratory received on 11/8/24 2:30 pm and logged in under work order HK01793. 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.

Chenise Lambert-Sykes Project Manager

(314)432-0550

Chenise.Lambert-Sykes@pacelabs.com

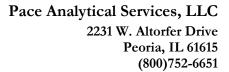


SAMPLE RECEIPT CHECK LIST

Items not applicable will be marked as in compliance

	Work Order HK01793
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
YES	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Customer #: 72-106154 www.pacelabs.com





ANALYTICAL RESULTS

Sample: HK01793-01
Name: 01-01-112-BF-S-7
Matrix: Drinking Water - Grab

Sampled: 11/07/24 04:50

Received: 11/08/24 14:30

Parameter	Result	Unit	Qualifier Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA								
Lead	< 1.00	ug/L	11/20/24 11:22	1	1.00	11/20/24 13:28	BRS	EPA 200.8 REV 5.4
Sample: HK01793-02		•				Sampled: 11/07/2	24 04:48	

Name: 01-01-109-DW-P-18

Matrix: Drinking Water - Grab

Name: 01-02-219-DW-P-19

Matrix: Drinking Water - Grab

Total Metals - PIA

Received: 11/08/24 14:30

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method

Lead < 1.00 ug/L 11/20/24 11:22 1 1.00

Sample: HK01793-03

Sampled: 11/07/24 04:52

BRS

EPA 200.8 REV 5.4

Received: 11/08/24 14:30

11/20/24 13:29

Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ua/L		11/20/24 11:22	1	1 00	11/20/24 13:30	BRS	FPA 200 8 REV 5 4

Customer #: 72-106154 www.pacelabs.com



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

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



		233451.01 Frontier	State of Origin: MO Cert. Needed:	10 YES X NO		Pace Analytical " www.paeclabs.com
		Central Office - Drinking Owner Received	Owner Received		Results Requested	
corder: GLOXXXX	Workorder Name:	Name: Water Lead	Date:	11/7/2024	By:	11/22/2024
rt To:	Subcontract To:			Req	Requested Analysis	

HICO MAS

				ŭ	Central Office - Drinking	ting Owner Received	eceived		Results Requested	uested	
Workorder: GLOXXXX			Workorder N	Name: W	Water Lead	Date:	ď	11/7/2024	By:	11	11/22/2024
Report To:			Subcontract To:	act To:				Re	Requested Analysis	S	
Chenise Lambert-Sykes	Se										
Pace Hazelwood			Pace Ana	llytical Serv	Pace Analytical Services-Peoria						
944 Anglum Road			2231 W /	2231 W Altorfer Drive	ve						
Hazelwood, MO 63042	2		Peoria, IL 61615	. 61615							
Phone 800.333.3278			800.752.6651	6651		Prese	Preserved Containers				
Item Sample ID	5	Sample Type	Sample Type Collect Date/Time		Lab ID	Matrix		DW Leac			LAB USE ONLY
1 01-01-112-BF-S-7		Grab	11/7/2024	450	GL0XXXX-01	DW		×			
2 01-01-109-DW-P-18	p-18	Grab	11/7/2024	448	GL0XXXX-02	DW		×			
3 01-02-219-DW-P-19	p-19	Grab	11/7/2024	452	GL0XXXX-03	DW		×			
4											
2							/				
9											
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8									/		
6									_	7	
10						/				/	
Transfers Released By	У		Q	Date/Time	Reveived By	Ву	Date/	Date/Tjme	Com	Comments	
1 Roll	IMS EME		/	11/07/2024	- CM	7	(C)/	15*35,CJ	**SAMPLES UNPRESERVED AT COLLECTION	ERVED AT C	OLLECTION
2						Jan	MS /	8			
3	lead		11	16/ 8.	50	2	11/8/11	_	Report to	Report to 1PPB, EDD	
	\				1			1		(
Cooler Temperature on Receipt	Receipt]	°C Custoc	Custody Seal Y or N	r/N)	Ŗ	Received on Ice Y or N	e YorM	Sample	Sample Intact Y or	or N

This chain of custody is considered complete as is since this information is available in the owner laboratory.

FMT-ALL-C-002rev.00 24March2009

Page 1 of 1

ENV-FRM-PEOR-0098 v02_Sample Condition Upon Receipt

Pace

Client Name: FWI

Work Order #:

+1401793

Completed by Initials/Date: 20

Sample Intake Notes: Custody Seal Present on Package(s) No Yes If yes, was seal intact Yes No Samples received within temperature compliance Yes No NA Was Project Manager contacted if samples were received out of temperature compliance Yes No Chain of Custody Present Yes No Current PACE CoC Submitted Yes No Rush Turn Around Time Requested Yes No CoC is Legible Yes No Sampler Name Present (Yes) No Sampler Signature Present Yes/ No USDA Regulated Soil Yes (N/A Country of Origin Yes No State of Origin Unique Sample ID's Present on CoC Yes No (If not, Note Container ID's & Contact Project Manager) Container(s) Received Intact Yes No (If not, Note & Contact Project Manager) Containers Received Labeled Yes No Container Labels are Legible Yes No Sample Collection Date Present on CoC Yes No Sample Collection Time Present on CoC Yes No CoC Relinquished by Client Yes No CoC and Sample Container Labels Match Yes No Appropriate Bottles Yes No Sufficient Sample Volume Yes No Zero Headspace (<6 mm or no bubbles) present in No NA Yes VOA vials (If headspace is present, note sample ID and # of vials) Trip Blank(s) Received No NA Yes If present, are they Listed on CoC Yes No All (Non-Field) Analysis Received Within Hold Times Yes No Short Hold Time Analysis Requested (48 Hours or No Yes Less) Case Narrative Needed Yes No Client Notification/Resolution: If checked, please see attached form for additional comments Person Contacted: _____ Date/Time: Comments/Resolution: _ PM Review is documented electronically in LIMS. By releasing the project, the PM acknowledges they have reviewed the sample. Qualtrax ID: 296090 Effective Date: 07/16/24 Page 1 of 1

Pace® Analytical Services, LLC (PAS)

ATTACHMENT **C** Photo Documentation

Water Outlet Photo Documentation

FSI Central Office 6800 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



01-01-109-KF-P-1



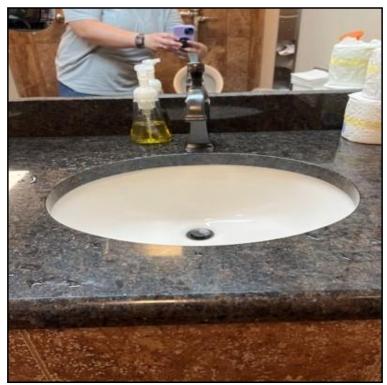
01-01-109-CW-P-2



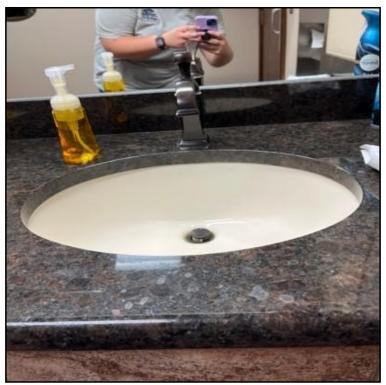
01-01-112-DW-P-3, Outlet offline and not sampled.



01-01-112-BF-P-4



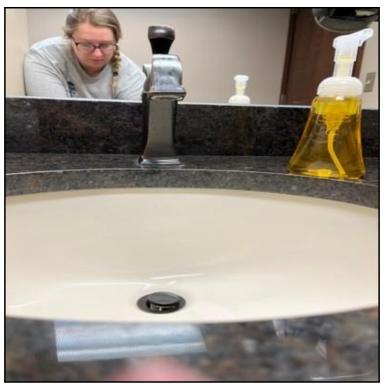
01-01-112-BF-P-5



01-01-112-BF-P-6



01-01-112-BF-P-6



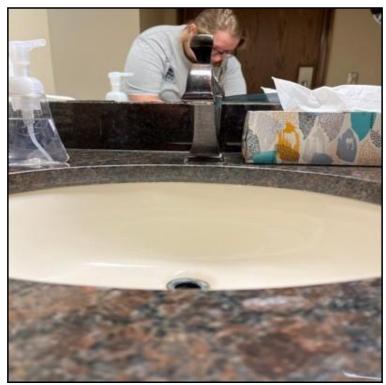
01-01-112-BF-P-7



01-02-203-BF-P-8



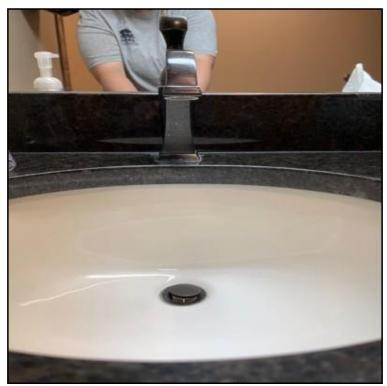
01-02-213-BF-P-9



01-02-213-BF-P-10



01-02-216-BF-P-11



01-02-216-BF-P-12



01-02-219-KF-P-14



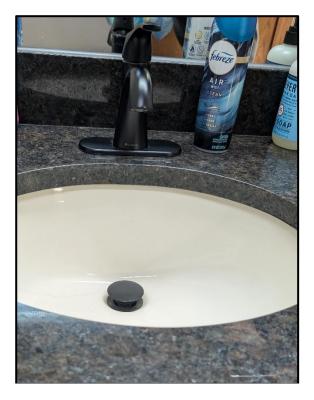
01-02-219-DW-P-15



01-02-218-BF-P-17



01-01-109-DW-P-18, New DWO



01-01-112-BF-P-7; Replaced faucet and resampled.



01-02-219-DW-P-19; New DWO