



Foster Plaza 8, Suite 400
730 Holiday Drive
Pittsburgh, PA 15220
412-503-4343

October 2, 2024

Dr. Brian White, Superintendent
Butler Area School District
110 Campus Lane
Butler, PA 16001

Subject: *Butler Area School District
Potable Water Lead Testing Results – Northwest Elementary*

Dear Dr. White:

Gannett Fleming TranSystems is pleased to submit the lead testing results for sampling of drinking water fixtures at the Butler Area School District's Northwest Elementary School.

This facility receives potable water from the Pennsylvania American Water Company which is the public water supplier for the Butler area.

Sampling was conducted on August 21, 2024 at eight (8) locations at the school.

Sampling was conducted by Gannett Fleming TranSystems personnel following United States Environmental Protection Agency (USEPA) 3Ts guidance recommendations for conducting lead sampling in schools. Sampling locations were identified, and sampling was conducted using 250 mL samples. The original USEPA 3Ts guidance recommended that sampling locations showing more than 0.020 mg/L of lead in the sample be examined to determine the cause of the elevated result. Recent revisions to the 3Ts guidance do not specify a remediation level for lead; rather, USEPA encourages schools to prioritize remediation efforts based on the highest lead sample results and to use the steps in the 3Ts guidance to pinpoint potential lead sources to reduce their lead levels.

Of the eight (8) samples collected, none exceeded the USEPA's suggested 0.020 mg/L Action Level for lead in 250 mL first draw samples.

Please find attached the laboratory reports for this testing.

Gannett Fleming TranSystems would like to thank the School District's administrative and maintenance staff for their assistance in completing this project. Please feel free to contact us if you have any questions or comments.

Sincerely,
GANNETT FLEMING TRANSYSTEMS

VITTORIA LAROSA
Water/Wastewater Designer

Attachments

cc: Les Zang, Butler Area School District
GFTS File



Microbac Laboratories Inc., Pittsburgh Division
 CERTIFICATE OF ANALYSIS
 A4H2322

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Northwest Elem

ERIC BUZZA
 FOSTER PLAZA III- SUITE 200 601 HOLIDAY DRIVE
 PITTSBURGH, PA 15220

Project / PO Number: N/A
 Received: 08/21/2024
 Reported: 08/30/2024

Analytical Testing Parameters

Client Sample ID:	Nurses Office Sink	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 7:41
Lab Sample ID:	A4H2322-01		

Metals Total by ICPMS	Result	Limit(s) ⁽¹⁾	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000740	0.015	0.000400	mg/L		08/27/24 1639	08/27/24 1639	SEV

Client Sample ID:	Nurses Exam Sink	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 7:42
Lab Sample ID:	A4H2322-02		

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.00145	0.015	0.000400	mg/L		08/27/24 1640	08/27/24 1640	SEV

Client Sample ID:	Food Service Sink	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 7:47
Lab Sample ID:	A4H2322-03		

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000830	0.015	0.000400	mg/L		08/27/24 1641	08/27/24 1641	SEV

Client Sample ID:	Food Service Fountain	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 7:46
Lab Sample ID:	A4H2322-04		

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1642	08/27/24 1642	SEV

(1) The 0.015 mg/L limit is based on 1 L first-draw samples.
 BASD follows US EPA 3Ts recommendation which uses 250 mL first-draw samples and a recommended limit of 0.020 mg/L.



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 CERTIFICATE OF ANALYSIS
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Client Sample ID: Faculty Room Sink	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 7:43
Lab Sample ID: A4H2322-05	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.00304	0.015	0.000400	mg/L		08/27/24 1647	08/27/24 1647	SEV

Client Sample ID: Room 32 Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 7:43
Lab Sample ID: A4H2322-06	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1648	08/27/24 1648	SEV

Client Sample ID: Custodial Office Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 7:38
Lab Sample ID: A4H2322-07	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1649	08/27/24 1649	SEV

Client Sample ID: Jaitors Closet Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 7:40
Lab Sample ID: A4H2322-08	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1650	08/27/24 1650	SEV

Results in **bold** have exceeded a limit defined for this project. Limits are provided for reference but as regulatory limits change frequently, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits and units of concentration with the appropriate Federal, state or local authorities before acting on the data.

Definitions

mg/L: Milligrams per Liter
RL: Reporting Limit

Project Requested Certification(s)

Microbac Laboratories Inc., Pittsburgh Division
 02-00257

Pennsylvania Department of Environmental Protection
 Pennsylvania Department of Environmental Protection - PARULE



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2322

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

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

Reviewed and Approved By:

A handwritten signature in blue ink that reads "Carolyn M. Vollentine". The signature is written in a cursive style and is placed on a light yellow rectangular background.

Carolyn Vollentine

Service Center Manager

Reported: 08/30/2024 13:59



Gannett Fleming, Inc. - Pittsburgh, PA
PM: Carolyn Volentine

CHAIN OF CUSTODY RECORD

Number
Instructions on back
TO BE COMPLETED BY MICROBAC
Temperature Upon Receipt (°C)
Therm ID
Holding Time
Samples Received on Ice? Yes No N/A
Custody Seals Intact? Yes No N/A

13.9
10.10.3

Lab Report Address Invoice Address
Client Name: Gannett Fleming, Inc Client Name: Same
Address: Foster plaza 8, Suite 400, 730 holiday Dr Address:
City, State, Zip: Pittsburgh, PA 15220 City, State, Zip:
Contact: Eric Buzza Contact:
Telephone No.: (412) 503-4343 Telephone No.:
Send Report via: Mail Fax e-mail (address) Send Invoice via: Mail Fax e-mail (address)
Project: ~~LHT Stormwater~~ *Butler Area SD* Location: *Neville Island about halfway to Lake M*
Sampled by (PRINT): Eric Buzza Sampler Signature: *E. Buzza* Sampler Phone No.: (412) 503-4343

* Matrix Types: Soil/Solid (S), Sludge, Oil, Wipe, Drinking Water (DW), Groundwater (GW), Surface Water (SW), Waste Water (WW), Other (specify)
** Preservative Types: (1) HNO3, (2) H2SO4, (3) HCl, (4) NaOH, (5) Zinc Acetate, (6) Methanol, (7) Sodium Bisulfate, (8) Sodium Thiosulfate, (9) Hexane, (U) Unpreserved
REQUESTED ANALYSIS

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types **	Additional Notes
					<i>DW</i>	<i>G</i>	<i>U</i>	

See Attached

HNO₃ Preserved
Date: 8-22-24
Time: 1435
Initials: us

Possible Hazard Identification Comments

Hazardous Non-Hazardous Radioactive

Sample Disposition Dispose as appropriate Return Archive

Relinquished By (signature)
E. Buzza
Relinquished By (signature)

Date/Time
8/21/24 1050
Date/Time

Received By (signature)
[Signature]
Received By (signature)

Date/Time
8/21/24 1055
Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Butler Area School District
 Northwest Elementary - 9

Date: 8/21/24

	Location	Site ID	Time
1	Nurses Office Sink	NURSE OFF	741
2	Nurses Exam Sink	NURSE EX	742
3	Food Service Sink	FOOD SINK	747
4	Food Service Fountain Left	FOOD L	746
	Food Service Fountain Right	FOOD R	
5	Faculty Room Sink	FACULTY	743
6	Room 32 Fountain	32	744
7	Custodial Office Fountain	CUSTODIAL	730
8	Janitors Closet Fountain	JANITOR	740 740



A 4 H 2 3 2 2
 Gannett Fleming, Inc. - Pittsburgh, PA
 PM: Carolyn Vollentine