



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 - Broad Street Elementary*

Dear Dr. White:

Gannett Fleming TranSystems is pleased to submit the lead testing results for sampling of drinking water fountains at the Butler Area School District's Broad Street 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 ten (10) 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 ten (10) 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

A4H2293

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Broad St Elem

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

Project / PO Number: N/A
Received: 08/22/2024
Reported: 09/10/2024

Analytical Testing Parameters

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Nurses Office Sink, Drinking Water, A4H2293-01, Eric Buzza, 08/21/2024 9:17.

Table with 9 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.000960 and limit 0.015.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Nurses Exam Sink, Drinking Water, A4H2293-02, Eric Buzza, 08/21/2024 9:18.

Table with 9 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.000752 and limit 0.015.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Faculty Lounge Sink, Drinking Water, A4H2293-03, Eric Buzza, 08/21/2024 9:16.

Table with 9 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.00283 and limit 0.015.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Food Service Sink, Drinking Water, A4H2293-04, Eric Buzza, 08/21/2024 9:20.

Table with 9 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.00110 and limit 0.015.

(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.



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2293

Client Sample ID: Gym Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:19
Lab Sample ID: A4H2293-05	

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		09/09/24 1315	09/09/24 1315	SEV

Client Sample ID: Main Entrance Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:15
Lab Sample ID: A4H2293-06	

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			09/09/24 1318	SEV

Client Sample ID: Computer Lab Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:23
Lab Sample ID: A4H2293-07	

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		09/09/24 1320	09/09/24 1320	SEV

Client Sample ID: Computer Lab Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:24
Lab Sample ID: A4H2293-08	

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		09/09/24 1323	09/09/24 1323	SEV

Client Sample ID: Room 22 Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:26
Lab Sample ID: A4H2293-09	

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		09/09/24 1325	09/09/24 1325	SEV



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2293

Client Sample ID: Room 22 Fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:27
Lab Sample ID: A4H2293-10	

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		09/09/24 1328	09/09/24 1328	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

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:



Rachel McCoy
Client Relations Specialist
Reported: 09/10/2024 20:11



Gannett Fleming, Inc. - Pittsburgh, PA

PM: Carolyn Vollentine

- routine (5 to 7 business days)
- RUSH* (notify lab)

CHAIN OF CUSTODY RECORD

per
actions on back
COMPLETED BY MICROBAC

13.9
163

Temperature Upon Receipt (°C)
Therm ID

Holding Time

Samples Received on Ice? Yes No N/A

Custody Seals Intact? Yes No N/A

(needed by)

Report Type

- Results Only
- Level 1
- Level 2
- Level 3
- Level 4
- EDD

Send Invoice via: Mail Fax e-mail (address)

- Compliance Monitoring? Yes No
- Agency/Program NPDES

Lab Report Address

Client Name: Gannett Fleming, Inc

Address: Foster plaza 8, Suite 400, 730 holiday Dr

City, State, Zip: Pittsburgh, PA 15220

Contact: Eric Buzza

Telephone No.: (412) 503-4343

Send Report via: Mail Fax e-mail (address)

Project: LHT Stormwater *Butler Area SD*

Sampled by (PRINT): Eric Buzza

Invoice Address

Client Name: Same

Address:

City, State, Zip:

Contact:

Telephone No.:

Location: *Neville Island Broad St Flam*

Sampler Signature: *E Buzz*

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>	<i>Lead</i>

See Attached

HNO₃ Preserved
Date: 8-22-24
Time: 1402
Initials: LLS

Possible Hazard Identification Comments

- Hazardous
- Non-Hazardous
- Radioactive

Sample Disposition Dispose as appropriate Return Archive

Relinquished By (signature)

Relinquished By (signature)

Relinquished By (signature)

Date/Time

Date/Time

Date/Time

Received By (signature)

Received By (signature)

Received By (signature)

Date/Time

Date/Time

Date/Time

8/24/24 10:50

[Signature]

8/21/24 10:55

Butler Area School District
Broad Street Elementary - 10

Date: 8/21/24

Location	Site ID	Time
Nurses Office Sink	NURSE OFF	9:17
Nurses Exam Sink	NURSE EX	9:18
Faculty Lounge Sink	LOUNGE	9:18
Food Service Sink	FOOD	9:20
Gym Fountain	GYM	9:19
Main Entrance Fountain	MAIN	9:15
Computer Lab Left	COMPL	9:23
Computer Lab Right	COMPR	9:24
Room 22 Fountain Left	22-L	9:26
Room 22 Fountain Right	22-R	9:27

