



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 – Emily Brittain 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 Emily Brittain 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  
 A4H2306

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Emily Brittain

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**

<b>Client Sample ID:</b>	Nurses Office Sink	<b>Collected By:</b>	Vittoria LaRosa
<b>Sample Matrix:</b>	Drinking Water	<b>Collection Date:</b>	08/21/2024 7:40
<b>Lab Sample ID:</b>	A4H2306-01		

Metals Total by ICPMS	Result	Limit(s) <sup>(1)</sup>	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00187	0.015	0.000400	mg/L		08/27/24 1430	08/27/24 1430	SEV

<b>Client Sample ID:</b>	Nurses Office sink	<b>Collected By:</b>	Vittoria LaRosa
<b>Sample Matrix:</b>	Drinking Water	<b>Collection Date:</b>	08/21/2024 7:41
<b>Lab Sample ID:</b>	A4H2306-02		

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00191	0.015	0.000400	mg/L		08/27/24 1431	08/27/24 1431	SEV

<b>Client Sample ID:</b>	Food Service Sink	<b>Collected By:</b>	Vittoria LaRosa
<b>Sample Matrix:</b>	Drinking Water	<b>Collection Date:</b>	08/21/2024 7:42
<b>Lab Sample ID:</b>	A4H2306-03		

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00318	0.015	0.000400	mg/L		08/27/24 1433	08/27/24 1433	SEV

<b>Client Sample ID:</b>	Faculty Room Sink	<b>Collected By:</b>	Vittoria LaRosa
<b>Sample Matrix:</b>	Drinking Water	<b>Collection Date:</b>	08/21/2024 7:44
<b>Lab Sample ID:</b>	A4H2306-04		

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.000928	0.015	0.000400	mg/L		08/27/24 1437	08/27/24 1437	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.



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2306

<b>Client Sample ID:</b> Art Room Sink Front	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 7:49
<b>Lab Sample ID:</b> A4H2306-05	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.000690	0.015	0.000400	mg/L		08/27/24 1438	08/27/24 1438	SEV

<b>Client Sample ID:</b> Art Room Sink Back	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 7:49
<b>Lab Sample ID:</b> A4H2306-06	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00581	0.015	0.000800	mg/L		08/27/24 1129	08/27/24 1857	SEV

<b>Client Sample ID:</b> 1st Floor Mp Room Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 7:44
<b>Lab Sample ID:</b> A4H2306-07	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1439	08/27/24 1439	SEV

<b>Client Sample ID:</b> Room 9 Fountain High	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 7:47
<b>Lab Sample ID:</b> A4H2306-08	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1440	08/27/24 1440	SEV

<b>Client Sample ID:</b> Room 9 Fountain Low	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 7:47
<b>Lab Sample ID:</b> A4H2306-09	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1441	08/27/24 1441	SEV



Microbac Laboratories Inc., Pittsburgh Division  
 CERTIFICATE OF ANALYSIS  
 A4H2306

<b>Client Sample ID:</b> Room 17 Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 7:52
<b>Lab Sample ID:</b> A4H2306-10	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1442	08/27/24 1442	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:**

Carolyn Vollentine  
 Service Center Manager  
 Reported: 08/30/2024 14:00



Gannett Fleming, Inc. - Pittsburgh, PA

PM: Carolyn Vollentine  
 RUSH\* (notify lab)

CHAIN OF CUSTODY RECORD

Number of Containers: \_\_\_\_\_  
 Instructions on back  
 3E COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) \_\_\_\_\_  
 Sample ID \_\_\_\_\_  
 Holding Time \_\_\_\_\_  
 Samples Received on Ice?  Yes  No  N/A  
 Custody Seals Intact?  Yes  No  N/A

139103

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 *Burton Area SD* Location: ~~Neville Island~~ *EMILY BRITAIN*  
 Sampled by (PRINT): ~~Eric Buzza~~ *VITTORIA LAROSA* Sampler Signature: *[Signature]*

PO No.: \_\_\_\_\_ Compliance Monitoring?  Yes  No  
 Agency/Program NPDES

Sampler Phone No.: (412) 503-4343 *412-503-4958*

\* 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>SEE ATTACHED</i>	<i>8/21/24</i>			<i>DW G</i>	<i>U</i>	<i>U</i>	

**HNO<sub>3</sub> Preserved**  
 HNO<sub>3</sub>: *A40578*  
 Date: *8-22-24*  
 Time: *1443*  
 Initials: *WS*

Possible Hazard Identification Comments  Hazardous  Non-Hazardous  Radioactive

Sample Disposition  Dispose as appropriate  Return  Archive

Relinquished By (signature) <i>[Signature]</i>	Date/Time <i>8/21/24 10:46</i>	Received By (signature) <i>[Signature]</i>	Date/Time <i>8/21/24 10:55</i>
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time

Butler Area School District  
Emily Brittain Elementary - 10

Date: 8/21/24

	Location	Site ID	Time
1	Nurses Office Sink	NURSE OFF	7:40
2	Nurses Exam Sink	NURSE EX	7:41
3	Food Service Sink	FOOD	7:42
4	Faculty Room Sink	FACULTY	7:44
5	Art Room Sink Front	ART-FR	7:49
6	Art Room Sink Back	ART-BA	7:49
7	1 <sup>st</sup> Floor MP Room Fountain	MP RM	7:44
8	Room 9 Fountain High	9-HIGH	7:47
9	Room 9 Fountain Low	9-LOW	7:47
10	Room 17 Fountain	17	7:52



A 4 H 2 3 0 6

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