



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 – McQuiston 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 McQuiston 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 fifteen (15) 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 fifteen (15) 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

A4H2303

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD McQuiston

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

Table with client sample details: Client Sample ID: Door 1 Fountain Left, Sample Matrix: Drinking Water, Lab Sample ID: A4H2303-01, Collected By: Vittoria LaRosa, Collection Date: 08/21/2024 8:39

Table with analytical results for Door 1 Fountain Left: Metals Total by ICPMS, Method: EPA 200.8, Rv. 5.4 (1994), Lead result <0.000400 mg/L

Table with client sample details: Client Sample ID: Door1 Fountain Right, Sample Matrix: Drinking Water, Lab Sample ID: A4H2303-02, Collected By: Vittoria LaRosa, Collection Date: 08/21/2024 8:39

Table with analytical results for Door1 Fountain Right: Metals Total by ICPMS, Method: EPA 200.8, Rv. 5.4 (1994), Lead result <0.000400 mg/L

Table with client sample details: Client Sample ID: Nurses Office Sink, Sample Matrix: Drinking Water, Lab Sample ID: A4H2303-03, Collected By: Vittoria LaRosa, Collection Date: 08/21/2024 8:36

Table with analytical results for Nurses Office Sink: Metals Total by ICPMS, Method: EPA 200.8, Rv. 5.4 (1994), Lead result 0.000417 mg/L

Table with client sample details: Client Sample ID: Nurses Exam Sink, Sample Matrix: Drinking Water, Lab Sample ID: A4H2303-04, Collected By: Vittoria LaRosa, Collection Date: 08/21/2024 8:36

Table with analytical results for Nurses Exam Sink: Metals Total by ICPMS, Method: EPA 200.8, Rv. 5.4 (1994), Lead result 0.00678 mg/L

(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

A4H2303

<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 8:25
<b>Lab Sample ID:</b> A4H2303-05	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00801	0.015	0.000400	mg/L		08/27/24 1408	08/27/24 1408	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 8:31
<b>Lab Sample ID:</b> A4H2303-06	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00569	0.015	0.000400	mg/L		08/27/24 1409	08/27/24 1409	SEV

<b>Client Sample ID:</b> Door 8 Fountain Left	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:43
<b>Lab Sample ID:</b> A4H2303-07	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.000741	0.015	0.000400	mg/L		08/27/24 1417	08/27/24 1417	SEV

<b>Client Sample ID:</b> Door 8 Fountain Right Restroom	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:42
<b>Lab Sample ID:</b> A4H2303-08	

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 1420	08/27/24 1420	SEV

<b>Client Sample ID:</b> Principl's Office Sink	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:38
<b>Lab Sample ID:</b> A4H2303-09	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.000532	0.015	0.000400	mg/L		08/27/24 1421	08/27/24 1421	SEV



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2303

<b>Client Sample ID:</b> Gym Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:32
<b>Lab Sample ID:</b> A4H2303-10	

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 1422	08/27/24 1422	SEV

<b>Client Sample ID:</b> Room 20 Fountain Left	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:29
<b>Lab Sample ID:</b> A4H2303-11	

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 1426	SEV

<b>Client Sample ID:</b> Room 20 Fountain Right	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:29
<b>Lab Sample ID:</b> A4H2303-12	

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 1426	08/27/24 1426	SEV

<b>Client Sample ID:</b> LS Room Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:45
<b>Lab Sample ID:</b> A4H2303-13	

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 1427	08/27/24 1427	SEV

<b>Client Sample ID:</b> Sensory Room Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:34
<b>Lab Sample ID:</b> A4H2303-14	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00178	0.015	0.000400	mg/L		08/27/24 1428	08/27/24 1428	SEV



Microbac Laboratories Inc., Pittsburgh Division  
 CERTIFICATE OF ANALYSIS  
 A4H2303

<b>Client Sample ID:</b> Cafe Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:26
<b>Lab Sample ID:</b> A4H2303-15	

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 1429	08/27/24 1429	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 Vollenentine  
 Service Center Manager  
 Reported: 08/30/2024 14:00



Pittsburgh Division  
100 Marshall Drive  
Warrendale, PA 15086  
724.772.0610 p

Erie Division  
5340 Fryling road  
Erie, PA 16510  
814.825.8533 p



A 4 H 2 3 0 3  
Gannett Fleming, Inc. - Pittsburgh, PA  
PM: Carolyn Vellentine

**CHAIN OF CUSTODY RECORD**

Number \_\_\_\_\_  
Instructions on back  
TO BE COMPLETED BY MICROBAC

Temperature Upon Receipt (°C) **13.9**  
Therm ID **T63**

Holding Time \_\_\_\_\_

Samples Received on Ice? Yes No **N/A**

Custody Seals Intact? Yes No **N/A**

Lab Report Address

Client Name: **GANNETT FLEMING INC.**

Address: **FOSTER PLAZA B, SUITE 400, 730 HOLIDAY DR**

City, State, Zip: **PUGH, PA 15220**

Contact: **ERIC BUZZA**

Telephone No.: **412-503-4343**

Invoice Address

Client Name: **SAME**

Address:

City, State, Zip:

Contact:

Telephone No.:

Routine (5 to 7 business days)  
 RUSH\* (notify lab)

(needed by)

Report Type

Results Only  Level 1  Level 2  Level 3  Level 4  EDD

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

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

Project: **BUTLER AREA - SD**

Location: **MCQUISTON**

PO No.:

Compliance Monitoring?  Yes  No  
 Agency/Program

Sampled by (PRINT): **VICTORIA LAROSA**

Sampler Signature: *[Signature]*

Sampler Phone No.: **412-403-4958**

\* 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
					DWG		U X LEAD	

**SEE ATTACHED**

**HNO<sub>3</sub> Preserved**  
HNO<sub>3</sub>: **A401578**  
Date: **8-22-24**  
Time: **1449**  
Initials: **US**

Possible Hazard Identification  
Comments

Hazardous  Non-Hazardous  Radioactive

Sample Disposition  Dispose as appropriate  Return  Archive

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time



	Location	Site ID	Time
1	Door 1 Fountain Left	1-L	8:39
2	Door 1 Fountain Right	1-R	8:39
3	Nurses Office Sink	NURSE OFF	8:36
4	Nurses Exam Sink	NURSE EX	8:36
5	Food Service Sink	FOOD	8:25
6	Faculty Room Sink	FACULTY	8:31
7	Door 8 Fountain Left	8-L	8:43
8	Door 8 Fountain Right (RESTROOM)	8-R	8:42
9	Principal's Office Sink	PRINC	8:38
10	Gym Fountain	GYM	8:32
11	Room 20 Fountain Left	20-L	8:29
12	Room 20 Fountain Right (Fountain)	20-R	8:29
13	LS Room Fountain	LS	8:45
14	Sensory Room Fountain	SENSORY	8:34
15	Café Fountain	CAFÉ	8:26



A 4 H 2 3 0 3  
 Gannett Fleming, Inc. - Pittsburgh, PA  
 PM: Carolyn Vollentine