



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 - Center Avenue 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 Center Avenue 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 seven (7) 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 seven (7) 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

A4H2302

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Center Ave

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 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Nurses Room Sink, Drinking Water, A4H2302-01, Vittoria LaRosa, 08/21/2024 8:06.

Table with 10 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.000776.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Faculty Room Sink Left, Drinking Water, A4H2302-02, Vittoria LaRosa, 08/21/2024 8:07.

Table with 10 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.00492.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Faculty Room Sink Right, Drinking Water, A4H2302-03, Vittoria LaRosa, 08/21/2024 8:08.

Table with 10 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.000533.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Food Service Sink Left, Drinking Water, A4H2302-04, Vittoria LaRosa, 08/21/2024 8:11.

Table with 10 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result 0.00319.

(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

A4H2302

<b>Client Sample ID:</b> Food Service Sink Right	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:11
<b>Lab Sample ID:</b> A4H2302-05	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	0.00613	0.015	0.000400	mg/L		08/27/24 1402	08/27/24 1402	SEV

<b>Client Sample ID:</b> Gym Boys Rest Room Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:09
<b>Lab Sample ID:</b> A4H2302-06	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4 (1994)</b>								
Lead	<0.000400	0.015	0.000400	mg/L		08/27/24 1403	08/27/24 1403	SEV

<b>Client Sample ID:</b> Room 11 Fountain	<b>Collected By:</b> Vittoria LaRosa
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 08/21/2024 8:13
<b>Lab Sample ID:</b> A4H2302-07	

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 1404	08/27/24 1404	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 14:01



A 4 H 2 3 0 2

Gannett Fleming, Inc. - Pittsburgh, PA

PM: Carolyn Vollentine

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

(needed by)

Report Type

Results Only  Level 1  Level 2  Level 3  Level 4  EDD

CHAIN OF CUSTODY RECORD

Signature \_\_\_\_\_  
Date/Time \_\_\_\_\_

LAB USE 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  
763

MICROBAC® 100 Marshall Dr., Warrendale, PA 15086 | 724.772.0610 p | 724.772.0611 f

Lab Report Address  
Client Name: GANNETT FLEMING INC  
Address: FOSTER PLAZA 8, SUITE 400  
730 HOLIDAY DR  
City, State, Zip: PUGH, PA 15220  
Contact: ERIC BUZZA  
Telephone No.: 412-503-4743  
Send Report via:  Mail  Fax  e-mail (address)

Invoice Address  
Client Name: SAME  
Address:  
City, State, Zip:  
Contact:  
Telephone No.:

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

Project: BUTLOR AREA SD Location: CENTER AVE PO No.: Compliance Monitoring?  Yes  No  
 Agency/Program

Sampled by (PRINT): VITTORIA LAROSA Sampler Signature: [Signature] Sampler Phone No.: 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

Lab ID	Client Sample ID	Date Collected	Time Collected	No. of Containers	Matrix	Grab / Comp	Preservative Types **	Additional Notes
	SEE ATTACHED	8/21/24			DW G		U	X LEAD

HNO3 Preserved  
HNO3: A401570  
Date: 8-22-24  
Time: 1430  
Initials: LLS

Possible Hazard Identification  Hazardous  Non-Hazardous  Radioactive Sample Disposition  Dispose as appropriate  Return  Archive

Comments	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
	[Signature]	8/21/24 10:56	[Signature]	8/21/24 1053
	Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time	

Butler Area School District  
Center Ave. Elementary - 7

Date: 8/21/24

	Location	Site ID	Time
1	Nurses Room Sink	NURSE	8:06
2	Faculty Room Sink Left	FAC L	8:07
3	Faculty Room Sink Right	FAC R	8:08
4	Food Service Sink Left	FOOD L	8:11
5	Food Service Sink Right	FOOD R	8:11
6	Gym Boys Rest Room Fountain	GYM	8:09
7	Room 11 Fountain	11	8:13

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