



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- Summit 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 Summit 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 nine (9) 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 nine (9) 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

A4H2296

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Summit

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

Project / PO Number: N/A
Received: 08/21/2024
Reported: 09/10/2024

Analytical Testing Parameters

Table with client sample details: Client Sample ID: Nurses Office Sink, Sample Matrix: Drinking Water, Lab Sample ID: A4H2296-01, Collected By: Vittoria LaRosa, Collection Date: 08/22/2024 9:14

Table with analytical results for Lead: Metals Total by ICPMS, Result: <0.000400, Limit(s): 0.015, RL: 0.000400, Units: mg/L, Prepared: 09/09/24 1338, Analyzed: 09/09/24 1338, Analyst: SEV

Table with client sample details: Client Sample ID: Food Service Sink, Sample Matrix: Drinking Water, Lab Sample ID: A4H2296-02, Collected By: Vittoria LaRosa, Collection Date: 08/22/2024 9:09

Table with analytical results for Lead: Metals Total by ICPMS, Result: <0.000400, Limit(s): 0.015, RL: 0.000400, Units: mg/L, Prepared: 09/09/24 1348, Analyzed: 09/09/24 1348, Analyst: SEV

Table with client sample details: Client Sample ID: Faculty Room Sink, Sample Matrix: Drinking Water, Lab Sample ID: A4H2296-03, Collected By: Vittoria LaRosa, Collection Date: 08/22/2024 9:13

Table with analytical results for Lead: Metals Total by ICPMS, Result: <0.000400, Limit(s): 0.015, RL: 0.000400, Units: mg/L, Prepared: 09/09/24 1351, Analyzed: 09/09/24 1351, Analyst: SEV

Table with client sample details: Client Sample ID: Gym Fountain Right, Sample Matrix: Drinking Water, Lab Sample ID: A4H2296-04, Collected By: Vittoria LaRosa, Collection Date: 08/22/2024 9:08

Table with analytical results for Lead: Metals Total by ICPMS, Result: <0.000400, Limit(s): 0.015, RL: 0.000400, Units: mg/L, Prepared: 09/09/24 1353, Analyzed: 09/09/24 1353, Analyst: 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

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A4H2296

Client Sample ID: Gym Fountain Left	Collected By: Vittoria LaRosa
Sample Matrix: Drinking Water	Collection Date: 08/22/2024 9:08
Lab Sample ID: A4H2296-05	

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 1700	09/09/24 1700	SEV

Client Sample ID: Gym Hall Fountain	Collected By: Vittoria LaRosa
Sample Matrix: Drinking Water	Collection Date: 08/22/2024 9:10
Lab Sample ID: A4H2296-06	

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 1711	09/09/24 1711	SEV

Client Sample ID: Main Hall Fountain	Collected By: Vittoria LaRosa
Sample Matrix: Drinking Water	Collection Date: 08/22/2024 9:12
Lab Sample ID: A4H2296-07	

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 1713	09/09/24 1713	SEV

Client Sample ID: End of Long Hall Fountain Right	Collected By: Vittoria LaRosa
Sample Matrix: Drinking Water	Collection Date: 08/22/2024 9:17
Lab Sample ID: A4H2296-08	

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 1716	09/09/24 1716	SEV

Client Sample ID: End of Long Hall Fountain Left	Collected By: Vittoria LaRosa
Sample Matrix: Drinking Water	Collection Date: 08/22/2024 9:17
Lab Sample ID: A4H2296-09	

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 1718	09/09/24 1718	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.



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CERTIFICATE OF ANALYSIS

A4H2296

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:

Handwritten signature of Rachel McCoy

Rachel McCoy
Client Relations Specialist
Reported: 09/10/2024 20:13



CHAIN OF CUSTODY RECORD

Instructions on back
 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

13.9
16.3

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~~ Butuce Area SD Location: ~~Neville Island~~ Summit PO No.:

Compliance Monitoring? Yes No
 Agency/Program NPDES

Sampled by (PRINT): Eric Buzza Victoria Larosa Sampler Signature: [Signature] 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
	See Attached	8/21/24			DW	G	U	X LEAD

HNO3 Preserved
 Date: 8-22-24
 Time: 1433
 Initials: LS

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
[Signature]	8/21/24 10:47	[Signature]	8/21/24 10:55
Relinquished By (signature)	Date/Time	Received By (signature)	Date/Time

Butler Area School District
Summit Elementary - 9

Date: 8/21/24

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Location	Site ID	Time
Nurses Office Sink	NURSE	9:14
Food Service Sink	FOOD	9:09
Faculty Room Sink	FACULTY	9:13
Gym Fountain Right	GYM R	9:08
Gym Fountain Left	GYM L	9:05
Gym Hall Fountain	GYM HALL	9:10
Main Bathroom Fountain	MAIN	9:12
End of Long Hall Fountain Right	HALL R	9:17
End of Long Hall Fountain Left	HALL L	9:17



A 4 H 2 2 9 6

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