



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 - Connoquenessing 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 Connoquenessing 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 eleven (11) 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 eleven (11) 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

A4H2307

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Connoquenessing

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 Office Fountain Left, Drinking Water, A4H2307-01, Eric Buzza, 08/21/2024 8:05.

Table with 10 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result <0.000400.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Nurses Office Fountain Right, Drinking Water, A4H2307-02, Eric Buzza, 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 <0.000400.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Nurses Office Sink, Drinking Water, A4H2307-03, Eric Buzza, 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 0.000777.

Table with 2 columns: Client Sample ID, Sample Matrix, Lab Sample ID and Collected By, Collection Date. Values include Gym/ Mp Fountain, Drinking Water, A4H2307-04, Eric Buzza, 08/21/2024 8:09.

Table with 10 columns: Metals Total by ICPMS, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row for Lead with result <0.000400.

(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

A4H2307

Client Sample ID: Food Service Sink	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:10
Lab Sample ID: A4H2307-05	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000577	0.015	0.000400	mg/L		08/27/24 1456	08/27/24 1456	SEV

Client Sample ID: Boys Restroom Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:11
Lab Sample ID: A4H2307-06	

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		08/27/24 1456	08/27/24 1456	SEV

Client Sample ID: Boys Restroom Fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:12
Lab Sample ID: A4H2307-07	

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		08/27/24 1457	08/27/24 1457	SEV

Client Sample ID: Girls Restroom Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:13
Lab Sample ID: A4H2307-08	

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		08/27/24 1458	08/27/24 1458	SEV

Client Sample ID: Girls Restroom Fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:14
Lab Sample ID: A4H2307-09	

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		08/27/24 1502	08/27/24 1502	SEV



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2307

Client Sample ID: Faculty Room Sink	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:16
Lab Sample ID: A4H2307-10	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000857	0.015	0.000400	mg/L		08/27/24 1503	08/27/24 1503	SEV

Client Sample ID: Room 12 Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:17
Lab Sample ID: A4H2307-11	

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		08/27/24 1504	08/27/24 1504	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 13:59



100 Marshall Dr., Warrendale, PA 15086 | 724.772.0610 p | 724.7



A 4 H 2 3 0 7

Gannett Fleming, Inc. - Pittsburgh, PA

PM: Carolyn Vollentine

RUSH* (notify lab)

CHAIN OF CUSTODY RECORD

number
instructions on back

TO BE 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

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 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 Buzzza Contact:
 Telephone No.: (412) 503-4343 Telephone No.:
 Send Report via: Mail Fax e-mail (address)
 Project: LIT Stormwater *Fittes Area SD* Location: *Neville Island* *Connoquenessing River*
 Sampled by (PRINT): Eric Buzzza Sampler Signature: 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>S</i>	<i>U</i>	

See Attached

HNO₃ Preserved
 HNO₃: *1401578*
 Date: *8/22/24*
 Time: *1440*
 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

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Relinquished By (signature)

Date/Time

Received By (signature)

Date/Time

Butler Area School District
 Connoquenessing Elementary - 11

Date: 8/21/24

	Location	Site ID	Time
1	Nurses Office Fountain Left	NURSE L	805
2	Nurses Office fountain Right	NURSE R	806
3	Nurses Office Sink	NURSE SINK	807
4	Gym / MP Fountain	GYM	809
5	Food Service Sink	FOOD	810
6	Boys Restroom Fountain Left	BOYS L	811
7	Boys Restroom Fountain Right	BOYS R	812
8	Girls Restroom Fountain Left	GIRLS L	813
9	Girls Restroom Fountain Right	GIRLS R	814
10	Faculty Room Sink	FACULTY	816
11	Room 12 Fountain	12	817



A 4 H 2 3 0 7

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