



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 Township 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 Township 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 eighteen (18) 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 eighteen (18) 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
 A4H2312

GANNETT FLEMING, INC. - PITTSBURGH PA

Project Name: Butler Area SD Center Twp Elem

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

Client Sample ID:	Nurses Office Sink	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 8:43
Lab Sample ID:	A4H2312-01		

Metals Total by ICPMS	Result	Limit(s) ⁽¹⁾	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000923	0.015	0.000400	mg/L		08/27/24 1505	08/27/24 1505	SEV

Client Sample ID:	Faculty Work Room Sink	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 8:40
Lab Sample ID:	A4H2312-02		

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 1507	08/27/24 1507	SEV

Client Sample ID:	Faculty Room 47 Fountain Left	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 8:39
Lab Sample ID:	A4H2312-03		

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 1508	08/27/24 1508	SEV

Client Sample ID:	Food Service Sink	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	08/21/2024 8:41
Lab Sample ID:	A4H2312-04		

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 1509	08/27/24 1509	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.



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CERTIFICATE OF ANALYSIS

A4H2312

Client Sample ID: Cafeteria Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:01
Lab Sample ID: A4H2312-05	

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		08/27/24 1510	08/27/24 1510	SEV

Client Sample ID: Mp Room Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:44
Lab Sample ID: A4H2312-06	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000576	0.015	0.000400	mg/L		08/27/24 1514	08/27/24 1514	SEV

Client Sample ID: MP Room Fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:45
Lab Sample ID: A4H2312-07	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000702	0.015	0.000400	mg/L		08/27/24 1515	08/27/24 1515	SEV

Client Sample ID: Principal Office Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:47
Lab Sample ID: A4H2312-08	

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 1516	08/27/24 1516	SEV

Client Sample ID: Room 61 Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:48
Lab Sample ID: A4H2312-09	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000519	0.015	0.000400	mg/L		08/27/24 1517	08/27/24 1517	SEV



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2312

Client Sample ID: Room 61 fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:49
Lab Sample ID: A4H2312-10	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000451	0.015	0.000400	mg/L		08/27/24 1518	08/27/24 1518	SEV

Client Sample ID: Room 72 Fountain	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:50
Lab Sample ID: A4H2312-11	

Metals Total by ICPMS	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4 (1994)								
Lead	0.000554	0.015	0.000400	mg/L		08/27/24 1626	08/27/24 1626	SEV

Client Sample ID: Room 27 Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:56
Lab Sample ID: A4H2312-12	

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 1631	08/27/24 1631	SEV

Client Sample ID: Room 27 Fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:57
Lab Sample ID: A4H2312-13	

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 1632	08/27/24 1632	SEV

Client Sample ID: Room 20 Fountain left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:54
Lab Sample ID: A4H2312-14	

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 1635	08/27/24 1635	SEV



Microbac Laboratories Inc., Pittsburgh Division

CERTIFICATE OF ANALYSIS

A4H2312

Client Sample ID: Room 20 fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:55
Lab Sample ID: A4H2312-15	

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 1636	08/27/24 1636	SEV

Client Sample ID: Room 37 Fountain Left	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 8:59
Lab Sample ID: A4H2312-16	

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 1637	08/27/24 1637	SEV

Client Sample ID: Room 37 Fountain Right	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 08/21/2024 9:00
Lab Sample ID: A4H2312-17	

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 1638	08/27/24 1638	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 | 7



A 4 H 2 3 1 2
Gannett Fleming, Inc. - Pittsburgh, PA
PM: Carolyn Volentine

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

(needed by)

Report Type

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

Client Name: Gannett Fleming, Inc

Address: Foster plaza 8, Suite 400, 730 holiday Dr

City, State, Zip: Pittsburgh, PA 15220

Contact: Eric Buzzza

Telephone No.: (412) 503-4343

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

Project: LHT Stormwater

Sampled by (PRINT): Eric Buzzza

Invoice Address

Client Name: Same

Address:

City, State, Zip:

Contact:

Telephone No.:

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

Location: Neville Island *Conifer Turp*

13.9
103

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Lab ID

Client Sample ID

Date Collected

Time Collected

No. of Containers

Matrix

Grab / Comp

Preservative Types **

keep

Additional Notes

See Attached

HNO3 Preserved

Date: 8-22-24

Time: 10:53

Initials: 1445

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
Center Twp. Elementary - 19

Date: 8/21/20

	Location	Site ID	Time
1	Nurses Office Sink	NURSE	843
2	Faculty Work Room Sink	FACULTY	840
3	Faculty Room 47 Fountain Left	47-L	839
	Faculty Room 47 Fountain Right	47-R	
5	Food Service Sink	FOOD	841
	Cafeteria Fountain	CAFE	844 901
15	MP Room Fountain Left	MP-L	844
16	MP Room Fountain Right	MP-R	845
17	Principal Office Fountain	PRINCIPAL	847
18	Room 61 Fountain Left	61-L	848
19	Room 61 Fountain Right	61-R	849
20	Room 72 Fountain	72	850
21	Room 27 Fountain Left	27-L	856
22	Room 27 Fountain Right	27-R	857
23	Room 20 Fountain Left	20-L	854
24	Room 20 Fountain Right	20-R	855
25	Room 37 Fountain Left	37-L	859
26	Room 37 Fountain Right	37-R	900



A 4 H 2 3 1 2

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

139
763