



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

1811657

Gannett Fleming, Inc.

Project Name: BASD

Eric Buzza  
Foster Plaza III, Suite 200, 601 Holiday Drive  
Pittsburgh, PA 15220

Project / PO Number: N/A  
Received: 09/18/2018  
Reported: 09/30/2018

Analytical Testing Parameters

Client Sample ID:	Jr/Sr High School Girls Restroom South Entrance	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	09/18/2018 9:35
Lab Sample ID:	1811657-01		

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4							
Copper	1.71	0.0010	mg/L		09/26/18 0904	09/26/18 1341	NJP
Lead	0.0160	0.0010	mg/L		09/26/18 0904	09/26/18 1341	NJP

Client Sample ID:	Jr/Sr High School Jr High Science Rm. 205	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	09/18/2018 9:37
Lab Sample ID:	1811657-02		

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4							
Copper	5.51	0.102	mg/L		09/26/18 0904	09/27/18 1008	DLO
Lead	0.0863	0.0010	mg/L		09/26/18 0904	09/26/18 1347	NJP

Client Sample ID:	Jr./ Sr. High School Cafeteria - Kitchen	Collected By:	Eric Buzza
Sample Matrix:	Drinking Water	Collection Date:	09/18/2018 9:14
Lab Sample ID:	1811657-03		

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.8, Rv. 5.4							
Copper	1.65	0.0010	mg/L		09/26/18 0904	09/26/18 1349	NJP
Lead	0.0383	0.0010	mg/L		09/26/18 0904	09/26/18 1349	NJP



Microbac Laboratories, Inc. - Erie

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18I1657

<b>Client Sample ID:</b> Jr/Sr High School Athletic Training - Water Fountain	<b>Collected By:</b> Eric Buzzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 9:28
<b>Lab Sample ID:</b> 18I1657-04	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.227	0.0010	mg/L		09/26/18 0904	09/26/18 1350	NJP
Lead	<0.0010	0.0010	mg/L		09/26/18 0904	09/26/18 1350	NJP

<b>Client Sample ID:</b> Jr. Sr High Visiting Team Locker Room	<b>Collected By:</b> Eric Buzzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 9:25
<b>Lab Sample ID:</b> 18I1657-05	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	6.77	0.102	mg/L		09/26/18 0904	09/27/18 1010	DLO
Lead	0.0037	0.0010	mg/L		09/26/18 0904	09/27/18 1010	DLO

<b>Client Sample ID:</b> Jr/ Sr High School Boys Phys Ed Locker Room	<b>Collected By:</b> Eric Buzzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 9:20
<b>Lab Sample ID:</b> 18I1657-06	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.876	0.0010	mg/L		09/26/18 0904	09/26/18 1354	NJP
Lead	0.0189	0.0010	mg/L		09/26/18 0904	09/27/18 1014	DLO

<b>Client Sample ID:</b> Jr./ Sr. High School Maintenance Shop - Before Booster/Treatment System	<b>Collected By:</b> Eric Buzzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 9:05
<b>Lab Sample ID:</b> 18I1657-07	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.494	0.0010	mg/L	M6	09/26/18 1355	09/27/18 0909	DLO
Lead	0.0985	0.0010	mg/L		09/26/18 1355	09/27/18 0909	DLO



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<b>Client Sample ID:</b> Jr./ Sr. High School Maintenance Shop - After Booster/Treatment System	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 9:10
<b>Lab Sample ID:</b> 1811657-08	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.0691	0.0010	mg/L		09/26/18 1355	09/27/18 0914	DLO
Lead	0.0231	0.0010	mg/L		09/26/18 1355	09/27/18 0914	DLO

<b>Client Sample ID:</b> Jr/ Sr High School Maintenance Shop Hand Sink	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 9:12
<b>Lab Sample ID:</b> 1811657-09	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	1.66	0.0010	mg/L		09/26/18 0904	09/26/18 1400	NJP
Lead	0.0195	0.0010	mg/L		09/26/18 0904	09/26/18 1400	NJP

<b>Client Sample ID:</b> Chicora Elem Room 203	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:35
<b>Lab Sample ID:</b> 1811657-10	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.198	0.0010	mg/L		09/26/18 0904	09/26/18 1402	NJP
Lead	0.0757	0.0010	mg/L		09/26/18 0904	09/26/18 1402	NJP

<b>Client Sample ID:</b> Chicora Elem Boys Restroom- Primary	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:57
<b>Lab Sample ID:</b> 1811657-11	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	1.69	0.0010	mg/L	M6	09/26/18 0904	09/26/18 1407	NJP
Lead	0.845	0.0010	mg/L		09/26/18 0904	09/26/18 1407	NJP





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<b>Client Sample ID:</b> Chicora Elem Cafeteria - Kitchen	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:48
<b>Lab Sample ID:</b> 1811657-12	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.119	0.0010	mg/L		09/26/18 0904	09/26/18 1403	NJP
Lead	0.0045	0.0010	mg/L		09/26/18 0904	09/26/18 1403	NJP

<b>Client Sample ID:</b> Chicora Elem Boys Locker Room	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:52
<b>Lab Sample ID:</b> 1811657-13	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.458	0.0010	mg/L		09/26/18 0904	09/26/18 1405	NJP
Lead	0.175	0.0010	mg/L		09/26/18 0904	09/26/18 1405	NJP

<b>Client Sample ID:</b> Chicora Elem Girls Restroom - Secondary	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:42
<b>Lab Sample ID:</b> 1811657-14	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.105	0.0010	mg/L		09/26/18 0904	09/26/18 1411	NJP
Lead	0.0072	0.0010	mg/L		09/26/18 0904	09/26/18 1411	NJP

<b>Client Sample ID:</b> Chicora Elem Room 120	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:40
<b>Lab Sample ID:</b> 1811657-15	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.349	0.0010	mg/L		09/26/18 0904	09/26/18 1413	NJP
Lead	0.0261	0.0010	mg/L		09/26/18 0904	09/26/18 1413	NJP



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<b>Client Sample ID:</b> Chicora Elem Maintenance Room- not from the hose on the wall, we need a spigot to sample	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:45
<b>Lab Sample ID:</b> 18I1657-16	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.0181	0.0010	mg/L		09/26/18 1528	09/26/18 1626	NJP
Lead	0.0019	0.0010	mg/L		09/26/18 1528	09/26/18 1626	NJP

<b>Client Sample ID:</b> Sugar Creek Elem Maintenance Sink	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:10
<b>Lab Sample ID:</b> 18I1657-17	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.199	0.0010	mg/L		09/26/18 1528	09/27/18 1115	DLO
Lead	0.0071	0.0010	mg/L		09/26/18 1528	09/26/18 1611	NJP

<b>Client Sample ID:</b> Sugar Creek Elem Room 53	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:05
<b>Lab Sample ID:</b> 18I1657-18	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.610	0.0010	mg/L		09/26/18 1528	09/26/18 1628	NJP
Lead	0.753	0.0010	mg/L		09/26/18 1528	09/26/18 1628	NJP

<b>Client Sample ID:</b> Sugar Creek Elem Room 27	<b>Collected By:</b> Eric Buzza
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 09/18/2018 10:12
<b>Lab Sample ID:</b> 18I1657-19	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Dayville

Metals, Total - ICP/MS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.8, Rv. 5.4</b>							
Copper	0.172	0.0010	mg/L		09/26/18 0904	09/26/18 1415	NJP
Lead	0.0015	0.0010	mg/L		09/26/18 0904	09/26/18 1415	NJP



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**Definitions**

**AL:** US EPA Action Level  
**M6:** Matrix spike recovery was not calculated. The analyte concentration is greater than 4X the spiking level.  
**RL:** Reporting Limit

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**Project Requested Certification(s)**

Microbac Laboratories, Inc. - Dayville  
68-04413

Pennsylvania Department of Environmental Protection

Microbac Laboratories, Inc. - Erie  
PA DEP# 25-00067

PA Department of Environmental Protection  
PADEP Accreditation by Rule

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**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.*

**Reviewed and Approved By:**

Carolyn Vollentine  
Project Manager  
Reported: 09/30/2018 10:00



\*1811657\*

Gannett Fleming, Inc.

814.825.8533

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eriemmm@microbac.com

Microbac Erie Division  
1962 Wager Road  
Erie, PA 16509

Client /Company Name: <del>SA 3 GF</del>		Contact Name: Eric Buza		Analyses																		
Address: Foster Plaza 8 Suite 400 730 Independence Dr		Bill To/PO#:																				
City/State/Zip: Pittsburgh PA 15720		Potential Hazards: Non-Hazard <input checked="" type="checkbox"/> Hazard <input type="checkbox"/> Radioactive <input type="checkbox"/>																				
Phone: 412 922 5575		Email/Fax: ebuza@gfnet.com																				
Project Name/ID: Karns City School District		Disposal: Dispose of <input checked="" type="checkbox"/> Return <input type="checkbox"/> Retain <input type="checkbox"/>																				
Sampled By: Eric Buza		Due Date:																				
Shipped By:		Tracking #:																				
Type Code: G-Grab C-Composite		Comp. Start:																				
Matrix Code: DW-Potable water WW-Nonpotable water SS-Soil/Sludge F-Food S-Swab O-Other		Comp. Stop:																				
Sample Identification	Date Taken	Type	Matrix	Tot. # Cont.	None	HNO3	H2SO4	NaOH	HCl	Thio	Other											
	Time Taken	G	C	1																		
Instructions/Comments: See Attached Lead + Copper													Date/Time:	7/18/18	12:50	Received By:	John Dunt	Date/Time:	9/18/18	12:50	Temp:	21.5°C
													Date/Time:			Received By:		Date/Time:			Iced:	Y (N)
													Date/Time:			Received By:		Date/Time:			Intact:	Y (N)
													Date/Time:			Received By:		Date/Time:				

1811657

Karns City Area School District

Lead and Copper Sampling Locations - 9/18/18

Collected by Eric Burza  
Time

Junior / Senior High School

- ✓ Girls Restroom – South Entrance 9:35
  - ✓ Jr High Science – Room 205 9:37
  - ✓ Cafeteria – Kitchen 9:14
  - ✓ Athletic Training – Water Fountain 9:28
  - ✓ Visiting Team Locker Room 9:25
  - ✓ Boys Phys Ed Locker Room 9:28
  - Maintenance Shop – Before Booster / Treatment System 9:05
  - Maintenance Shop - After Booster / Treatment System 9:10
  - At-Entry Point into school (if a tap exists at that point) 9:12
- Maintenance Shop Hand Sink*

Chicora Elementary

- Room 203 10:35
- Boys Restroom – Primary 10:57
- Cafeteria – Kitchen 10:48
- Boys Locker Room 10:52
- Girls Restroom – Secondary 10:42
- Room 120 10:40
- Maintenance Room – not from the hose on the wall, we need a spigot to sample 10:15

Sugar Creek Elementary

- Maintenance Sink 10:10
- Room 53 10:05
- Room 27 10:12



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Gannett Fleming, Inc.





Microbac Erie Division  
1962 Wager Road  
Erie, PA 16509

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\*1811657\*  
Gannett Fleming, Inc.

Client /Company Name: <del>BAF</del> GF					Contact Name: Eric Buza																						
Address: Postar Plaza 8 Suite 400 730 Hb Holiday Dr					Bill To/PO#:																						
City/State/Zip: Pittsburgh PA 15120		Phone: 412 942 5575		Email/Fax: ebuza@gannett.com		Potential Hazards: Non-Hazard [ <input checked="" type="checkbox"/> ] Hazard [ <input type="checkbox"/> ] Radioactive [ <input type="checkbox"/> ]		Disposal: Dispose of [ <input checked="" type="checkbox"/> ] Reflrm [ <input type="checkbox"/> ] Retain [ <input type="checkbox"/> ]		Compliance Sample: Yes [ <input type="checkbox"/> ] No [ <input checked="" type="checkbox"/> ]		State:			Monitoring Period:			Other									
Project Name/ID: Kears City School District					Due Date:					Preservatives																	
Sampled By: Eric Buza					Tracking #:					Type Code: G-Grab C-Composite			Comp. Start:			F-Food S-Swab O-Other			None								
Shipped By:					Comp. Stop:					Type			Matrix			Tot. #			Cont.								
Matrix Code: DW-Potable water					SS-Soil/Sludge					G			C			dw			1			✓					
Date Taken					Time Taken					Date Taken			Type			Matrix			Tot. #			Cont.					
Date Taken					Time Taken					Date Taken			G			C			dw			1			✓		
Sample Identification					Date Taken					Date Taken			Type			Matrix			Tot. #			Cont.					
Date Taken					Time Taken					Date Taken			G			C			dw			1			✓		

Instructions/Comments:

Relinquished By:	Date/Time:	Received By:	Date/Time:	Temp:
[Signature]	7/18/18 12:50	[Signature]	9/18/18 12:50	21.8°C
Relinquished By:	Date/Time:	Received By:	Date/Time:	Loed:
				Y (N)
Relinquished By:	Date/Time:	Received By:	Date/Time:	Intact:
				Y (N)
Relinquished By:	Date/Time:	Received By:	Date/Time:	

1811657

Karns City Area School District

Lead and Copper Sampling Locations - 9/18/18

Collected by Eric Burza  
Time

Junior / Senior High School

- ✓ Girls Restroom – South Entrance 9:35
- ✓ Jr High Science – Room 205 9:37
- ✓ Cafeteria – Kitchen 9:14
- ✓ Athletic Training – Water Fountain 9:28
- ✓ Visiting Team Locker Room 9:25
- ✓ Boys Phys Ed Locker Room 9:20
- Maintenance Shop – Before Booster / Treatment System 9:05
- Maintenance Shop - After Booster / Treatment System 9:10
- At Entry Point into school (if a tap exists at that point) 9:12

Maintenance Shop Hand Sink

Chicora Elementary

- Room 203 10:35
- Boys Restroom – Primary 10:57
- Cafeteria – Kitchen 10:48
- Boys Locker Room 10:52
- Girls Restroom – Secondary 10:42
- Room 120 10:40
- Maintenance Room – not from the hose on the wall, we need a spigot to sample 10:15

Sugar Creek Elementary

- Maintenance Sink 10:10
- Room 53 10:05
- Room 27 10:12



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Gannett Fleming, Inc.