



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

17D1623

Gannett Fleming, Inc.

Project Name: BASD Senior High School

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

Project / PO Number: BASD Senior High School
Received: 04/13/2017
Reported: 05/08/2017

Case Narrative

Microbac Laboratories, Inc. - Chicagoland

The Matrix Spike and Matrix Spike Duplicate samples failed the accuracy criteria for copper. This bias is due to the high indigenous analyte concentration (relative to the spike amount). The following sample was spiked:

Table with 2 columns: Laboratory ID, Sample Name. Row 1: 17D1672-01, 17D1623-01 (Main + Garage Fount. 1st Draw)

Analytical Testing Parameters

Table with 4 columns: Client Sample ID, Sample Matrix, Lab Sample ID, Collected By, Collection Date. Row 1: Main + Garage Fount. 1st Draw, Drinking Water, 17D1623-01, Eric Buzza, 04/13/2017 5:55

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 7 columns: Metals, Result, RL, Units, Note, Prepared, Analyzed. Method: EPA 200.8 Rev 5.4. Rows for Copper and Lead.

Table with 4 columns: Client Sample ID, Sample Matrix, Lab Sample ID, Collected By, Collection Date. Row 1: Main + Garage Fount Flushed, Drinking Water, 17D1623-02, Eric Buzza, 04/13/2017 5:55

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 7 columns: Metals, Result, RL, Units, Note, Prepared, Analyzed. Method: EPA 200.8 Rev 5.4. Rows for Copper and Lead.

Table with 4 columns: Client Sample ID, Sample Matrix, Lab Sample ID, Collected By, Collection Date. Row 1: Auditorium Fount. 1 1st Draw, Drinking Water, 17D1623-03, Eric Buzza, 04/13/2017 5:48

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Table with 7 columns: Metals, Result, RL, Units, Note, Prepared, Analyzed. Method: EPA 200.8 Rev 5.4. Rows for Copper and Lead.



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

17D1623

Client Sample ID: Auditorium Fount 1 Flushed	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 5:48
Lab Sample ID: 17D1623-04	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.15	0.050	mg/L		05/01/17 1024	05/04/17 1635
Lead	0.0026	0.0010	mg/L		05/01/17 1024	05/04/17 1635

Client Sample ID: Auditorium Fount 3 1st Draw	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 5:40
Lab Sample ID: 17D1623-05	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.27	0.050	mg/L		05/01/17 1024	05/04/17 1639
Lead	0.0067	0.0010	mg/L		05/01/17 1024	05/04/17 1639

Client Sample ID: Auditorium Fount. 3 Flushed	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 5:40
Lab Sample ID: 17D1623-06	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	<0.050	0.050	mg/L		05/01/17 1024	05/04/17 1643
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1643

Client Sample ID: Food Service Fountain 1st Draw	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:04
Lab Sample ID: 17D1623-07	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.23	0.050	mg/L		05/01/17 1024	05/04/17 1655
Lead	0.0058	0.0010	mg/L		05/01/17 1024	05/04/17 1655



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

17D1623

Client Sample ID: Food Service Fount. Flushed	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:04
Lab Sample ID: 17D1623-08	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.16	0.050	mg/L		05/01/17 1024	05/04/17 1659
Lead	0.0026	0.0010	mg/L		05/01/17 1024	05/04/17 1659

Client Sample ID: Cafe Fount. 1 1st Draw	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:15
Lab Sample ID: 17D1623-09	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.40	0.050	mg/L		05/01/17 1024	05/04/17 1703
Lead	0.0037	0.0010	mg/L		05/01/17 1024	05/04/17 1703

Client Sample ID: Cafe Fount. 1 Flushed	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:15
Lab Sample ID: 17D1623-10	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.10	0.050	mg/L		05/01/17 1024	05/04/17 1707
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1707

Client Sample ID: Cafe Fount. 2 1st Draw	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:18
Lab Sample ID: 17D1623-11	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.095	0.050	mg/L		05/01/17 1024	05/04/17 1711
Lead	0.0011	0.0010	mg/L		05/01/17 1024	05/04/17 1711



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

17D1623

Client Sample ID: Cafe Fount. 2 Flushed	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:18
Lab Sample ID: 17D1623-12	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.065	0.050	mg/L		05/01/17 1024	05/04/17 1723
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1723

Client Sample ID: Cafe Fountain 3 1st Draw	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:23
Lab Sample ID: 17D1623-13	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.16	0.050	mg/L		05/01/17 1024	05/04/17 1727
Lead	0.025	0.0010	mg/L		05/01/17 1024	05/04/17 1727

Client Sample ID: Cafe Fountain 3 Flushed	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:23
Lab Sample ID: 17D1623-14	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.14	0.050	mg/L		05/01/17 1024	05/04/17 1731
Lead	0.0040	0.0010	mg/L		05/01/17 1024	05/04/17 1731

Client Sample ID: SHS Office Sink 1st Draw	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:30
Lab Sample ID: 17D1623-15	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.30	0.050	mg/L		05/01/17 1024	05/04/17 1743
Lead	0.0050	0.0010	mg/L		05/01/17 1024	05/04/17 1743



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

17D1623

Client Sample ID: SAS Office Sink Flushed	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:30
Lab Sample ID: 17D1623-16	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.15	0.050	mg/L		05/01/17 1024	05/04/17 1747
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1747

Client Sample ID: 400-2 Fountain 1st Draw	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:35
Lab Sample ID: 17D1623-17	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.43	0.050	mg/L		05/01/17 1024	05/04/17 1751
Lead	0.0021	0.0010	mg/L		05/01/17 1024	05/04/17 1751

Client Sample ID: 400-2 Fountain Flushed	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:35
Lab Sample ID: 17D1623-18	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.16	0.050	mg/L		05/01/17 1024	05/04/17 1755
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1755

Client Sample ID: Std Annex Train Room Sink 1st Draw	Collected By: Eric Buzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:45
Lab Sample ID: 17D1623-19	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.22	0.050	mg/L		05/01/17 1024	05/04/17 1759
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1759



Microbac Laboratories, Inc. - Erie

CERTIFICATE OF ANALYSIS

17D1623

Client Sample ID: Std Annex Train Rom Sink Flush	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:45
Lab Sample ID: 17D1623-20	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.12	0.050	mg/L		05/01/17 1024	05/04/17 1803
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1803

Client Sample ID: Swimming Pool Fount 1st Draw	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 5:30
Lab Sample ID: 17D1623-21	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.10	0.050	mg/L		05/01/17 1024	05/04/17 1807
Lead	0.013	0.0010	mg/L		05/01/17 1024	05/04/17 1807

Client Sample ID: Swimming Pool Fount. Flushed	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 5:30
Lab Sample ID: 17D1623-22	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.057	0.050	mg/L		05/01/17 1024	05/04/17 1819
Lead	<0.0010	0.0010	mg/L		05/01/17 1024	05/04/17 1819

Client Sample ID: Faculty Lounge Cafe 1st Draw	Collected By: Eric Buzzza
Sample Matrix: Drinking Water	Collection Date: 04/13/2017 6:08
Lab Sample ID: 17D1623-23	

Analyses Subcontracted to: Microbac Laboratories, Inc. - Chicagoland

Metals	Result	RL	Units	Note	Prepared	Analyzed
Method: EPA 200.8 Rev 5.4						
Copper	0.077	0.050	mg/L		05/01/17 1024	05/04/17 1831
Lead	0.0020	0.0010	mg/L		05/01/17 1024	05/05/17 1222