



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18K0838

Tidewater

Project Name: Ballenger Creek Middle School

Meneka Rodrigo
6625 Selnick Drive, Suite A
Elkridge, MD 21075

Project / PO Number: N/A
Received: 11/15/2018
Reported: 11/28/2018

Analytical Testing Parameters

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-04 2075 (DF), Drinking Water, 18K0838-01, Collected By: Walter Gomezalez, Collection Date: 11/15/2018 3:22)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Parameter, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row: Lead, <1.0, 20.0, 1.0, ppb, 11/26/18 1429, 11/26/18 1745, LMH

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-01 2075 (DF), Drinking Water, 18K0838-02, Collected By: Walter Gomezalez, Collection Date: 11/15/2018 3:18)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Parameter, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row: Lead, <1.0, 20.0, 1.0, ppb, 11/26/18 1429, 11/26/18 1746, LMH

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-02 2075 (DF), Drinking Water, 18K0838-03, Collected By: Walter Gomezalez, Collection Date: 11/15/2018 3:18)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Parameter, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row: Lead, <1.0, 20.0, 1.0, ppb, 11/26/18 1429, 11/26/18 1747, LMH

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-03 2075 (DF), Drinking Water, 18K0838-04, Collected By: Walter Gomezalez, Collection Date: 11/15/2018 3:19)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Parameter, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst. Row: Lead, <1.0, 20.0, 1.0, ppb, 11/26/18 1429, 11/26/18 1748, LMH



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<b>Client Sample ID:</b> W01A-06 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:50
<b>Lab Sample ID:</b> 18K0838-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1429	11/26/18 1749	LMH

<b>Client Sample ID:</b> W01A-07 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:50
<b>Lab Sample ID:</b> 18K0838-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1429	11/26/18 1750	LMH

<b>Client Sample ID:</b> W01A-08 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:50
<b>Lab Sample ID:</b> 18K0838-07	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1429	11/26/18 1751	LMH

<b>Client Sample ID:</b> W01A-09 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:55
<b>Lab Sample ID:</b> 18K0838-08	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1429	11/26/18 1752	LMH



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<b>Client Sample ID:</b> W01A-10 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:55
<b>Lab Sample ID:</b> 18K0838-09	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1444	11/26/18 1813	LMH

<b>Client Sample ID:</b> W01A-11 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:55
<b>Lab Sample ID:</b> 18K0838-10	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1444	11/26/18 1816	LMH

<b>Client Sample ID:</b> W01A-05 2075 (DF)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:43
<b>Lab Sample ID:</b> 18K0838-11	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1444	11/26/18 1817	LMH

<b>Client Sample ID:</b> K17-2 2075 (IM)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:10
<b>Lab Sample ID:</b> 18K0838-12	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.1	20.0	1.0	ppb		11/26/18 1645	11/27/18 1530	LMH



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<b>Client Sample ID:</b> K31-01 2075 (KS)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:21
<b>Lab Sample ID:</b> 18K0838-13	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.6	20.0	1.0	ppb		11/26/18 1444	11/26/18 1818	LMH

<b>Client Sample ID:</b> K31-04 2075 (KS) Left	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:25
<b>Lab Sample ID:</b> 18K0838-14	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	3.9	20.0	1.0	ppb		11/26/18 1444	11/26/18 1819	LMH

<b>Client Sample ID:</b> K31-04 2075 (LS) Right	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:25
<b>Lab Sample ID:</b> 18K0838-15	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	6.7	20.0	1.0	ppb		11/26/18 1444	11/26/18 1820	LMH

<b>Client Sample ID:</b> K31-07 2075 (KS)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:27
<b>Lab Sample ID:</b> 18K0838-16	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	15.1	20.0	1.0	ppb		11/26/18 1444	11/26/18 1824	LMH



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<b>Client Sample ID:</b> S23-001 2075 (NO)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 4:15
<b>Lab Sample ID:</b> 18K0838-17	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	1.0	20.0	1.0	ppb		11/26/18 1444	11/26/18 1825	LMH

<b>Client Sample ID:</b> S23-008 2075 (HE)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:33
<b>Lab Sample ID:</b> 18K0838-18	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1444	11/26/18 1826	LMH

<b>Client Sample ID:</b> S23-009 2075 (HE)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:33
<b>Lab Sample ID:</b> 18K0838-19	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	2.7	20.0	1.0	ppb		11/26/18 1444	11/26/18 1827	LMH

<b>Client Sample ID:</b> S23-010 2075 (HE)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:34
<b>Lab Sample ID:</b> 18K0838-20	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	13.1	20.0	1.0	ppb		11/26/18 1444	11/26/18 1828	LMH



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<b>Client Sample ID:</b> S23-011 2075 (HE)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:34
<b>Lab Sample ID:</b> 18K0838-21	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	2.4	20.0	1.0	ppb		11/26/18 1444	11/26/18 1832	LMH

<b>Client Sample ID:</b> S23-012 2075 (HE)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:35
<b>Lab Sample ID:</b> 18K0838-22	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	1.8	20.0	1.0	ppb		11/26/18 1444	11/26/18 1833	LMH

<b>Client Sample ID:</b> S23-117 2075 (HE)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 3:35
<b>Lab Sample ID:</b> 18K0838-23	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	7.6	20.0	1.0	ppb		11/26/18 1444	11/26/18 1834	LMH

<b>Client Sample ID:</b> S23-004 2075 (TL)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 4:05
<b>Lab Sample ID:</b> 18K0838-24	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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<b>Method:</b> EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/26/18 1444	11/26/18 1838	LMH



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<b>Client Sample ID:</b> S23-073 2075 (WR)	<b>Collected By:</b> Walter Gomezalez
<b>Sample Matrix:</b> Drinking Water	<b>Collection Date:</b> 11/15/2018 4:10
<b>Lab Sample ID:</b> 18K0838-25	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
<b>Method: EPA 200.2/EPA 200.8</b>								
Lead	3.9	20.0	1.0	ppb		11/26/18 1444	11/26/18 1839	LMH

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

RL: Reporting Limit

Cooler Receipt Log

Cooler ID: Default Cooler Temp: °C

Cooler Inspection Checklist

Custody Seals Intact	Yes	Containers Intact	Yes
Received on ice or not required.	Yes	Radiation Scan Acceptable or not required.	Yes
COC Present	Yes	COC/Containers Agree	Yes
Correct Preservation	No	Correct Number of Containers Received	Yes
Sufficient Sample Volume	Yes	Proper Condition	Yes

Project Requested Certification(s)

Microbac Laboratories, Inc. - Baltimore  
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State of Maryland (Drinking Water)

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:

Isang Isang  
Client Relations

Reported: 11/28/2018 16:29



10K0939

Reviewed By: II

Date: 11/16/18



### Multiple Sample COC

18K0939

Site: **Ballenger Creek Middle School - 5525 Ballenger Creek Pike, Frederick, MD 21703**

Date Sampled: **Thursday, November 15, 2018**

Row	Area Number/Room/Space	From Item Description	Sample Name:	Date/Time Sampled (ex: 03/01/2018 13:28)	Sampler's Name
1	Cafe	Drinking Fountain, Refrigerated	W01A-04 2075 (DF)	11/15/2018 03:22	Walter Gonzales
2	Common Hall/Cafe	Drinking Fountain, Refrigerated	W01A-01 2075 (DF)	11/15/2018 03:18	Walter Gonzales
3	Common Hall/Cafe	Drinking Fountain, Refrigerated	W01A-02 2075 (DF)	11/15/2018 03:18	Walter Gonzales
4	Common Hall/Cafe	Drinking Fountain, Refrigerated	W01A-03 2075 (DF)	11/15/2018 03:19	Walter Gonzales
5	Hall C Front	Drinking Fountain, Refrigerated	W01A-06 2075 (DF)	11/15/2018 03:50	Walter Gonzales
6	Hall C Front	Drinking Fountain, Refrigerated	W01A-07 2075 (DF)	11/15/2018 03:50	Walter Gonzales
7	Hall C Front	Drinking Fountain, Refrigerated	W01A-08 2075 (DF)	11/15/2018 03:50	Walter Gonzales
8	Hall C Rear	Drinking Fountain, Refrigerated	W01A-09 2075 (DF)	11/15/2018 03:55	Walter Gonzales
9	Hall C Rear	Drinking Fountain, Refrigerated	W01A-10 2075 (DF)	11/15/2018 03:55	Walter Gonzales
10	Hall C Rear	Drinking Fountain, Refrigerated	W01A-11 2075 (DF)	11/15/2018 03:55	Walter Gonzales
11	Hall G	Drinking Fountain, Refrigerated	W01A-05 2075 (DF)	11/15/2018 03:43	Walter Gonzales
12	Health Room	Ice Machine	K17-02 2075 (IM)	11/15/2018 03:10	Walter Gonzales
13	Kitchen	Sink, Kitchen	K31-01 2075 (KS)	11/15/2018 03:21	Walter Gonzales
14	Kitchen	Sink, Kitchen	K31-04 2075 (KS) Left	11/15/2018 03:25	Walter Gonzales
15	Kitchen	Sink, Kitchen	K31-04 2075 (KS) Right	11/15/2018 03:25	Walter Gonzales
16	Kitchen	Sink, Kitchen	K31-07 2075 (KS)	11/15/2018 03:27	Walter Gonzales
17	Nurse's Office	Non-Kitchen lavatory/Sink	S23-001 2075 (NO)	11/15/2018 04:15	Walter Gonzales
18	RM 152	Non-Kitchen lavatory/Sink	S23-008 2075 (HE)	11/15/2018 03:33	Walter Gonzales
19	RM 152	Non-Kitchen lavatory/Sink	S23-009 2075 (HE)	11/15/2018 03:33	Walter Gonzales
20	RM 152	Non-Kitchen lavatory/Sink	S23-010 2075 (HE)	11/15/2018 03:34	Walter Gonzales

Samples Relinquished By: WALTER GONZALES

Samples Received By: 11/15/18

Temp: \_\_\_\_\_

*JS Sample*



