



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1549

Tidewater

Project Name: Heather Ridge

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

Project / PO Number: N/A
Received: 10/31/2018
Reported: 11/21/2018

Analytical Testing Parameters

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-06 3008 (DF), Drinking Water, 18J1549-01, etc.)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Lead, Result (<1.0), Limit(s) (20.0), RL (1.0), Units (ppb), Note, Prepared (11/08/18 1028), Analyzed (11/08/18 1603), Analyst (LMH)

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-07 3008 (DF), Drinking Water, 18J1549-02, etc.)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Lead, Result (<1.0), Limit(s) (20.0), RL (1.0), Units (ppb), Note, Prepared (11/08/18 1028), Analyzed (11/08/18 1607), Analyst (LMH)

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01B-01 3008 (DF), Drinking Water, 18J1549-03, etc.)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Lead, Result (<1.0), Limit(s) (20.0), RL (1.0), Units (ppb), Note, Prepared (11/08/18 1028), Analyzed (11/08/18 1608), Analyst (LMH)

Table with 2 columns: Parameter (Client Sample ID, Sample Matrix, Lab Sample ID) and Value (W01A-03 3008 (DF), Drinking Water, 18J1549-04, etc.)

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with 9 columns: Lead, Result (<1.0), Limit(s) (20.0), RL (1.0), Units (ppb), Note, Prepared (11/08/18 1028), Analyzed (11/08/18 1609), Analyst (LMH)



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1549

Client Sample ID: W01A-04 3008 (DF)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:06
Lab Sample ID: 18J1549-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1610	LMH

Client Sample ID: W01A-05 3008 (DF)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:12
Lab Sample ID: 18J1549-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1610	LMH

Client Sample ID: K31-01 3008 (KS) Left	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:36
Lab Sample ID: 18J1549-07	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1611	LMH

Client Sample ID: K31-01 3008 (KS) Right	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:36
Lab Sample ID: 18J1549-08	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1612	LMH



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1549

Client Sample ID: W01A-01 3008 (DF)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:32
Lab Sample ID: 18J1549-09	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1613	LMH

Client Sample ID: S23-10 3008 (HE)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:30
Lab Sample ID: 18J1549-10	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1614	LMH

Client Sample ID: S23-19 3008 (NO)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:28
Lab Sample ID: 18J1549-11	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1617	LMH

Client Sample ID: S23-22 3008 (TL)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:24
Lab Sample ID: 18J1549-12	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1619	LMH



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1549

Client Sample ID: W01A-02 3008 (DF)	Collected By: Walter Gonzalez
Sample Matrix: Drinking Water	Collection Date: 10/31/2018 4:34
Lab Sample ID: 18J1549-13	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		11/08/18 1028	11/08/18 1620	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: 18.1°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
109

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: 11/21/2018 16:10

Reviewed By: IL

Date: 10/31/18



18J1549



Multiple Sample COC

Site: **Heather Ridge: 1445 Taney Avenue, Frederick, MD 21702, Office Ph.: 240-236-8000**

Date Sampled: **Wednesday, October 31, 2018**

Row	Area Number/Room/Space	From Item Description	Sample Name:	Date/Time Sampled (ex: 03/01/2018 13:28)	Sampler's Name
1	C Pod Hall	Drinking Fountain, Refrigerated	W01A-06 3008 (DF)	10/31/2018 4:20	Walter Gonzales
2	D Pod Hall	Drinking Fountain, Refrigerated	W01A-07 3008 (DF)	10/31/2018 4:14	Walter Gonzales
3	GYM	Drinking Fountain, Non-Refrigerated	W01B-01 3008 (DF)	10/31/2018 4:01	Walter Gonzales
4	Gym Boys Locker	Drinking Fountain, Refrigerated	W01A-03 3008 (DF)	10/31/2018 4:04	Walter Gonzales
5	Gym Girls Locker	Drinking Fountain, Refrigerated	W01A-04 3008 (DF)	10/31/2018 4:06	Walter Gonzales
6	Hall by Office	Drinking Fountain, Refrigerated	W01A-05 3008 (DF)	10/31/2018 4:12	Walter Gonzales
7	Kitchen	Sink, Kitchen	K31-01 3008 (KS) Left	10/31/2018 4:36	Walter Gonzales
8	Kitchen	Sink, Kitchen	K31-01 3008 (KS) Right	10/31/2018 4:36	Walter Gonzales
9	Lower Hall	Drinking Fountain, Refrigerated	W01A-01 3008 (DF)	10/31/2018 4:32	Walter Gonzales
10	Science Prep Room	Ice Machine	K17-01 3008 (IM)	10/31/2018	Walter Gonzales
11	See Map	Non-Kitchen lavatory/Sink	S23-10 3008 (HE)	10/31/2018 4:30	Walter Gonzales
12	See Map	Non-Kitchen lavatory/Sink	S23-19 3008 (NO)	10/31/2018 4:28	Walter Gonzales
13	See Map	Non-Kitchen lavatory/Sink	S23-22 3008 (TL)	10/31/2018 4:24	Walter Gonzales
14	Tech Ed	Drinking Fountain, Refrigerated	W01A-02 3008 (DF)	10/31/2018 4:34	Walter Gonzales
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		
-	-	-	-		

Removed
10/31/18
WAFc

Samples Relinquished By: WALTER GONZALES
 Samples Received By: 10/31/18 [Signature] 4:24 (13)
 Temp: 78.1

Cooler Receipt Form / Sample Acceptance & Noncompliance Form

Microbac Laboratories, Inc., Baltimore Division
 Control # 606-03
 Effective Date: 11/30/2016
 Page 1 of 1

Number of Coolers Received: 1

Client: Tide water

Form Completed By: MEG

Shipper:

Custody Tape Intact:

Containers Intact:

Sample Received on Ice or refrigerated:

Chain of Custody Present with shipment:

Sample Bottle IDs agree with COC:

Preservation requirements met:

Correct Number of Containers / Sample Volume:

Headspace in container:

Type of Sample:

Receipt Date / Time: 10/31/18 6:24

Work Order # 1851549

Microbac Client UPS FedEx

YES / NO / NA

YES / NO

YES / NO / NA

Infrared (IR) Temperature: 19.1 °C

YES / NO

YES / NO

YES / NO / Not Checked

YES / NO (If No, contact client immediately)

YES / NO / NA

Water Soil Wipes Oil Filter Solid
 Sludge Food Swab Other

Container Type / Quantity:

A -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid:	If preserved pH <2, pH >10
B -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
C -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
D -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
E -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
H -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
K -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
L -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
M -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
P -	<u>13</u> Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
W -	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
V -	Unpreserved	HCl	HCl / Ascorbic Acid	HCl / NaTHIO	(Checked at time of Analysis)		
F -	Unpreserved	NaTHIO (Checked at time of Analysis)					
S -	Unpreserved	NaTHIO (Checked at time of Analysis)					
SN -	Unpreserved	NaTHIO NaTHIO/EDTA (Checked at time of Analysis)					
	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10
	Unpreserved	H2SO4	HNO3	HCl	NaOH	NaOH/Ascorbic Acid	If preserved pH <2, pH >10

Describe preservation requirements not met:

All Acid preserved <2 pH NaOH preserved >12 pH All others >2 and <10 (usually 4-8)

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added
 Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added
 Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added
 Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

H₂SO₄ - Sulfuric Acid, HNO₃ - Nitric Acid, NaOH - Sodium Hydroxide, ASC - Ascorbic Acid, NaTHIO - Sodium Thiosulfate

Describe Anomalies: _____

Contact information / Summary of Actions:

Date / Time: _____ Contact: _____ Contact By: _____

Comments: _____

