



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1270

Tidewater

Project Name: Woodsboro Elementary

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

Project / PO Number: N/A
Received: 10/24/2018
Reported: 11/21/2018

Analytical Testing Parameters

Table with sample details: Client Sample ID: W01A-03 1073 (DF) TEST POINT, Sample Matrix: Drinking Water, Lab Sample ID: 18J1270-01, Collected By: Cheruka Weerakoon, Collection Date: 10/24/2018 4:25

Table header: Metals, Total by EPA 200 Series Methods, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row: Lead, <1.0, 20.0, 1.0, ppb, 10/25/18 0937, 10/25/18 1752, LMH

Table with sample details: Client Sample ID: W01A-01 1073 (DF) TEST POINT, Sample Matrix: Drinking Water, Lab Sample ID: 18J1270-02, Collected By: Cheruka Weerakoon, Collection Date: 10/24/2018 4:21

Table header: Metals, Total by EPA 200 Series Methods, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row: Lead, 1.1, 20.0, 1.0, ppb, 10/25/18 0937, 10/25/18 1753, LMH

Table with sample details: Client Sample ID: K17-01 1073 (NO) TEST POINT, Sample Matrix: Drinking Water, Lab Sample ID: 18J1270-03, Collected By: Cheruka Weerakoon, Collection Date: 10/24/2018 4:10

Table header: Metals, Total by EPA 200 Series Methods, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row: Lead, 1.4, 20.0, 1.0, ppb, 10/25/18 0937, 10/25/18 1754, LMH

Table with sample details: Client Sample ID: S23-24 1073 (NO) TEST POINT, Sample Matrix: Drinking Water, Lab Sample ID: 18J1270-04, Collected By: Cheruka Weerakoon, Collection Date: 10/24/2018 4:12

Table header: Metals, Total by EPA 200 Series Methods, Result, Limit(s), RL, Units, Note, Prepared, Analyzed, Analyst

Method: EPA 200.2/EPA 200.8

Table row: Lead, 2.5, 20.0, 1.0, ppb, 10/25/18 0937, 10/25/18 1758, LMH



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1270

Client Sample ID: K31-01 1073 (KS) TEST POINT	Collected By: Cheruka Weerakoon
Sample Matrix: Drinking Water	Collection Date: 10/24/2018 4:30
Lab Sample ID: 18J1270-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	10.4	20.0	1.0	ppb		10/25/18 0937	10/25/18 1802	LMH

Client Sample ID: S23-06 1073 (TL) TEST POINT	Collected By: Cheruka Weerakoon
Sample Matrix: Drinking Water	Collection Date: 10/24/2018 4:22
Lab Sample ID: 18J1270-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	3.0	20.0	1.0	ppb		10/25/18 0937	10/25/18 1803	LMH

Client Sample ID: S23-23 1073 (TL) TEST POINT	Collected By: Cheruka Weerakoon
Sample Matrix: Drinking Water	Collection Date: 10/24/2018 4:17
Lab Sample ID: 18J1270-07	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	15.2	20.0	1.0	ppb		10/25/18 0937	10/25/18 1804	LMH

Client Sample ID: W01B-01 1073 (DF) TEST POINT	Collected By: Cheruka Weerakoon
Sample Matrix: Drinking Water	Collection Date: 10/24/2018 4:35
Lab Sample ID: 18J1270-08	

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		10/25/18 0937	10/25/18 1805	LMH



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18J1270

Client Sample ID: W01A-02 1073 (DF) TEST POINT	Collected By: Cheruka Weerakoon
Sample Matrix: Drinking Water	Collection Date: 10/24/2018 4:28
Lab Sample ID: 18J1270-09	

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		10/25/18 0937	10/25/18 1806	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: 16.0°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	Yes	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:

Jake Mason
Client Relations
Reported: 11/21/2018 15:48

Reviewed By: II
 Date: 10/25/18

1851270



Multiple Sample COC

Site: **Woodsboro Elementary: 101 Liberty Road, Woodsboro, MD 21798, Office Ph.: 240-236-3700**

Date Sampled: **Wednesday, October 24, 2018**

Row	Area Number/Room/Space	From Item Description	Sample Name:	Date/Time Sampled (ex: 03/01/2018 13:28)	Sampler's Name
1	Hall at Boiler Room	Drinking Fountain, Refrigerated	W01A-03 1073 (DF) Test Point	10/24/2018 4:25 am	Cheruka Weerakoon
2	Hall-Front Office	Drinking Fountain, Refrigerated	W01A-01 1073 (DF) Test Point	10/24/2018 4:21 am	Cheruka Weerakoon
3	Health Room	Ice Machine	K17-01 1073 (NO) Test Point	10/24/2018 4:10 am.	Cheruka Weerakoon
4	Health Room	Non-Kitchen lavatory/Sink	S23-24 1073 (NO) Test Point	10/24/2018 4:12 am.	Cheruka Weerakoon
5	Kitchen	Sink, Kitchen	K31-01 1073 (KS) Test Point	10/24/2018 4:30 am	Cheruka Weerakoon
6	Lounge	Non-Kitchen lavatory/Sink	S23-06 1073 (TL) Test Point	10/24/2018 4:22 am	Cheruka Weerakoon
7	Office	Non-Kitchen lavatory/Sink	S23-23 1073 (TL) Test Point	10/24/2018 4:17 am	Cheruka Weerakoon
8	Outside at Playground	Drinking Fountain, Non-Refrigerated	W01B-01 1073 (DF) Test Point	10/24/2018 4:35 am	Cheruka Weerakoon
9	Outside Gym	Drinking Fountain, Refrigerated	W01A-02 1073 (DF) Test Point	10/24/2018 4:28 am	Cheruka We
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Samples Relinquished By: Cheruka Weerakoon.
 Samples Received By: Jen Slem 10/24/18 6:47 AM
 Temp: 80.0

16.0

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: Tidewater

Form Completed By: Bvelyn Shinas Muthy

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: 10/24/18 647

Work Order #: 1851270

Microbac Client UPS FedEx

YES / NO / NA

YES / NO

YES / NO / NA

Infrared (IR) Temperature: 16.0 °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>9</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: All bottles H₂SO₄ HNO₃ NaOH 1 mls added to preserve for analysis requested (Aru)

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

Sample ID: _____ H₂SO₄ HNO₃ NaOH _____ mls added

10/24/18

H₂SO₄ - Sulfuric Acid, HNO₃ - Nitric Acid, NaOH - Sodium Hydroxide, ASC - Ascorbic Acid, NaTHIO - Sodium Thiosulfate 1124

Describe Anomalies: _____

Contact information / Summary of Actions:

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

Comments: _____

