

# Microbac Laboratories, Inc. - Baltimore CERTIFICATE OF ANALYSIS

19E1492

**KCI Technologies** 

**Project Name: Applications & Research Lab** 

Tehsin Aurangabadwala 936 Ridgebrook Road Sparks, MD 21152

Project / PO Number: N/A Received: 05/28/2019 Reported: 05/30/2019

#### **Analytical Testing Parameters**

Client Sample ID: ARL 1 First Draw CR

Sample Matrix: **Drinking Water** 

Lab Sample ID: 19E1492-01 Collected By: Jeff Klenk

**Collection Date:** 05/17/2019 5:15

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.1	20.0	1.0	ppb		05/29/19 1313	05/29/19 1422	GHW

Client Sample ID: ARL 2 First Draw CR

Sample Matrix: **Drinking Water** 

Lab Sample ID: 19E1492-02 Collected By: Jeff Klenk **Collection Date:** 05/17/2019 5:15

Metals, Total by EPA 200 Series	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Methods								
Method: EPA 200.2/EPA 200.8								
Lead	1.2	20.0	1.0	ppb		05/29/19 1313	05/29/19 1426	GHW

ARL 3 First Draw TL Client Sample ID:

Sample Matrix: **Drinking Water** 

19E1492-03 Lab Sample ID:

Collected By: Jeff Klenk **Collection Date:** 05/17/2019 5:15

Jeff Klenk

Metals, Total by EPA 200 Series Result Limit(s) RL Units Note Prepared Analyzed Analyst Methods Method: EPA 200.2/EPA 200.8 2.6 20.0 Lead 1.0 ppb 05/29/19 1313 05/29/19 1427 GHW

Client Sample ID: ARL 4 First Draw DF/C

**Drinking Water** Sample Matrix:

Collected By: Lab Sample ID: 19E1492-04 **Collection Date:** 05/17/2019 5:15

Metals, Total by EPA 200 Series Limit(s) RL Units Result Note Prepared Analyzed **Analyst** Methods Method: EPA 200.2/EPA 200.8 Lead <1.0 20.0 1.0 ppb 05/29/19 1313 05/29/19 1429 GHW



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19E1492

eries  0.8  L 9 First Draw CR hking Water E1492-08	Result	<b>Limit(s)</b> 20.0	<b>RL</b>	<b>Units</b> ppb	Note Prep 05/29/19 Collected By: Collection Date:	ared Analy:	zed Analys
eries						ared Analy:	zed Analys
	Result	Limit(s)	RL	Units	Note Prep		
E1492-07						03/11/2019 3.1	
nking Water					Collected By:	Jeff Klenk 05/17/2019 5:1	5
0.8	<1.0	20.0	1.0	ppb	05/29/1	9 1313 05/29/19	1431 GHW
eries	Result	Limit(s)	RL	Units	Note Prep	ared Analy:	zed Analys
nking Water					Collected By: Collection Date:	Jeff Klenk 05/17/2019 5:1	5
0.8	3.7	20.0	1.0	ppb	05/29/1	9 1313 05/29/19	1430 GHW
eries	Result	Limit(s)	RL	Units	Note Prep	ared Analy:	zed Analys
nking Water					Collected By: Collection Date:	Jeff Klenk 05/17/2019 5:1	5
	L 6 First Draw OT.2 nking Water E1492-05 eries  0.8  L 7 First Draw NO nking Water E1492-06 eries  0.8	nking Water E1492-05  eries Result  0.8  3.7  L 7 First Draw NO nking Water E1492-06  eries Result  0.8  <1.0	L 6 First Draw OT.2  nking Water E1492-05  eries Result Limit(s)  0.8  3.7 20.0  L 7 First Draw NO nking Water E1492-06  eries Result Limit(s)  0.8  <1.0 20.0	L 6 First Draw OT.2  nking Water E1492-05  eries Result Limit(s) RL  0.8  3.7 20.0 1.0  L 7 First Draw NO nking Water E1492-06  eries Result Limit(s) RL  0.8  < 1.0 20.0 1.0	Result Limit(s) RL Units  0.8  3.7 20.0 1.0 ppb  L 7 First Draw NO nking Water E1492-06  eries Result Limit(s) RL Units  0.8  41.0 20.0 1.0 ppb  L 8 First Draw OT.2	Collected By:   Collection Date:	Collected By: Jeff Klenk   Collection Date: 05/17/2019 5:18

1.0

ppb

05/29/19 1313

12.1

20.0

Lead

05/29/19 1437



## CERTIFICATE OF ANALYSIS

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			191	E1492					
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 10 First Draw DF/C Drinking Water 19E1492-09					Collected By: Collection Date:	Jeff Kler 05/17/20	nk 019 5:15	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared	Analyzed	Analys
Method: EPA 200.2/EP	PA 200.8								
Lead		<1.0	20.0	1.0	ppb	05/29/19	9 1313	05/29/19 1438	GHW
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 11 First Draw KS Drinking Water 19E1492-10					Collected By: Collection Date:	Jeff Kler 05/17/20	nk 019 5:15	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared	Analyzed	Analys
Method: EPA 200.2/EP	PA 200.8								
Lead		11.2	20.0	1.0	ppb	05/29/19	9 1313	05/29/19 1440	GHW
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 12 First Draw KS Drinking Water 19E1492-11					Collected By: Collection Date:	Jeff Kler 05/17/20	nk 019 5:15	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared	Analyzed	Analys
Method: EPA 200.2/EF	PA 200.8								
Lead		16.9	20.0	1.0	ppb	05/29/19	9 1313	05/29/19 1441	GHW
Client Sample ID:	ARL 13 First Draw CR								
Sample Matrix: Lab Sample ID:	Drinking Water 19E1492-12					Collected By: Collection Date:	Jeff Kler 05/17/20	nk 019 5:15	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared	Analyzed	Analys
Method: EPA 200.2/EP	PA 200.8								

1.0

ppb

05/29/19 1313

1.6

Lead

20.0

05/29/19 1445



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			191	_ 1432					
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 14 First Draw CR Drinking Water 19E1492-13					Collected By: Collection Date:	Jeff Kle 05/17/2	enk 2019 5:15	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/El Lead	PA 200.8	<1.0	20.0	1.0	ppb	05/29/1	9 1313	05/29/19 1446	GHW
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 15 First Draw TL Drinking Water 19E1492-14					Collected By: Collection Date:	Jeff Kle 05/17/2	enk 2019 5:15	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/El Lead	PA 200.8	<1.0	20.0	1.0	ppb	05/29/19	9 1313	05/29/19 1448	GHW
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 16 First Draw CR Drinking Water 19E1492-15					Collected By: Collection Date:	Jeff Kle 05/17/2	enk 2019 5:15	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/El Lead	PA 200.8	<1.0	20.0	1.0	ppb	05/29/19	9 1313	05/29/19 1452	GHW
Client Sample ID: Sample Matrix: Lab Sample ID:	ARL 17 First Draw CR Drinking Water 19E1492-16					Collected By: Collection Date:	Jeff Kle 05/17/2	enk 2019 5:15	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/Ei	PA 200.8								

1.0

ppb

05/29/19 1313

<1.0

20.0

Lead

05/29/19 1453



### CERTIFICATE OF ANALYSIS

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		196	=1492				
ARL 18 First Draw DF/C Drinking Water 19E1492-17					Collected By: Collection Date:	Jeff Klenk 05/17/2019 5:15	
200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared Analyzed	Analys
PA 200.8							
	<1.0	20.0	1.0	ppb	05/29/19	9 1313 05/29/19 1454	GHW
ARL 19 First Draw DF/C Drinking Water 19E1492-18					Collected By: Collection Date:	Jeff Klenk 05/17/2019 5:15	
200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared Analyzed	Analys
PA 200.8							
	<1.0	20.0	1.0	ppb	05/29/19	9 1313 05/29/19 1456	GHW
ARL 20 First Draw DF/C Drinking Water 19E1492-19					Collected By: Collection Date:	Jeff Klenk 05/17/2019 5:15	
200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared Analyzed	Analys
PA 200.8	<1.0	20.0	1.0	ppb	05/29/19	9 1313 05/29/19 1457	GHW
ARL 21 First Draw DF/C Drinking Water 19E1492-20					Collected By: Collection Date:	Jeff Klenk 05/17/2019 5:15	
200 Series	Result	Limit(s)	RL	Units	Note Prepa	ared Analyzed	Analys
	Drinking Water 19E1492-17  200 Series  PA 200.8  ARL 19 First Draw DF/C Drinking Water 19E1492-18  PA 200.8  ARL 20 First Draw DF/C Drinking Water 19E1492-19  200 Series  PA 200.8  ARL 21 First Draw DF/C Drinking Water 19E1492-20	Drinking Water 19E1492-17  200 Series Result  PA 200.8  ARL 19 First Draw DF/C Drinking Water 19E1492-18  200 Series Result  PA 200.8  ARL 20 First Draw DF/C Drinking Water 19E1492-19  200 Series Result  PA 200.8  ARL 21 First Draw DF/C Drinking Water 19E1492-20  ARL 21 First Draw DF/C Drinking Water 19E1492-20	ARL 18 First Draw DF/C Drinking Water 19E1492-17  200 Series Result Limit(s)  A 200.8  ARL 19 First Draw DF/C Drinking Water 19E1492-18  200 Series Result Limit(s)  ARL 20 First Draw DF/C Drinking Water 19E1492-19  200 Series Result Limit(s)  ARL 20 First Draw DF/C Drinking Water 19E1492-19  ARL 21 First Draw DF/C Drinking Water 19E1492-20  ARL 21 First Draw DF/C Drinking Water 19E1492-20	Drinking Water   19E1492-17	ARL 18 First Draw DF/C Drinking Water 19E1492-17  200 Series Result Limit(s) RL Units  2A 200.8  ARL 19 First Draw DF/C Drinking Water 19E1492-18  200 Series Result Limit(s) RL Units  2A 200.8  ARL 20 First Draw DF/C Drinking Water 19E1492-19  200 Series Result Limit(s) RL Units  2A 200.8  ARL 20 First Draw DF/C Drinking Water 19E1492-19  200 Series Result Limit(s) RL Units  2A 200.8  ARL 21 First Draw DF/C Drinking Water 19E1492-20	ARL 18 First Draw DF/C Drinking Water 19E1492-17  Collected By: Collection Date:  A 200.8  ARL 19 First Draw DF/C Drinking Water 19E1492-18  Collected By: Collected By: Collected By: Collected By: Collected By: Collected By: Collection Date:  Collected By: Coll	ARL 18 First Draw DF/C Drinking Water 19E1492-17  Collected By:

1.0

ppb

05/29/19 1313

<1.0

20.0

Lead

05/29/19 1458



## CERTIFICATE OF ANALYSIS

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Client Sample ID: ARL 23 First Draw CR

Sample Matrix: Drinking Water Collected By: Jeff Klenk

Lab Sample ID: 19E1492-21 Collection Date: 05/17/2019 5:15

Metals, Total by EPA 200 Series Result Limit(s) RL Units Note Analyst Prepared Analyzed Methods Method: EPA 200.2/EPA 200.8 Lead <1.0 20.0 1.0 05/29/19 1313 ppb 05/29/19 1502 **GHW** 

Client Sample ID: ARL 24 First Draw CR

Sample Matrix: Drinking Water Collected By: Jeff Klenk

Lab Sample ID: 19E1492-22 Collection Date: 05/17/2019 5:15

Metals, Total by EPA 200 Series Result Limit(s) RL Units Note Prepared Analyzed Analyst Methods Method: EPA 200.2/EPA 200.8 Lead 1.7 20.0 1.0 ppb 05/29/19 1313 05/29/19 1509 GHW

Client Sample ID: ARL 25 First Draw CR

Sample Matrix: Drinking Water Collected By: Jeff Klenk

Lab Sample ID: 19E1492-23 Collection Date: 05/17/2019 5:15

Metals, Total by EPA 200 Series Result RL Units Limit(s) Note Prepared Analyzed Analyst Methods Method: EPA 200.2/EPA 200.8 05/29/19 1313 Lead <1.0 20.0 1.0 05/29/19 1510 GHW ppb

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

#### **Report Comments**

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:

MDrempiele

Megan Greenfield

Customer Relationship Coordinator

Reported: 05/30/2019 09:37