

#### Microbac Laboratories, Inc. - Baltimore

#### **CERTIFICATE OF ANALYSIS**

18K0513

Global Consulting, Inc.

**Project Name: Centennial High School** 

Judi Darnell 6401 Golden Triangle Drive, Suite 304

Greenbelt, MD 20770

Project / PO Number: N/A Received: 11/07/2018 Reported: 11/12/2018

#### **Analytical Testing Parameters**

Client S	ample ID:	CHS-1

Sample Matrix: **Drinking Water** 

Collected By:

Judi Darnell

18K0513-01 Lab Sample ID:

**Collection Date:** 

11/03/2018 7:30

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	22.8	15.0	1.0	ppb		11/08/18 1024	11/08/18 1443	LMH

Client Sample ID: CHS-2

Sample Matrix: **Drinking Water** Lab Sample ID:

18K0513-02

18K0513-03

Collected By:

Judi Darnell

**Collection Date:** 11/03/2018 7:30

11/08/18 1024

Metals, Total by EPA 200 Series Limit(s) RL Units Analyst Result Note Prepared Analyzed Methods Method: EPA 200.2/EPA 200.8

1.0

ppb

15.0

21.6

Lead

Client Sample ID: CHS-3

Lab Sample ID:

Sample Matrix: **Drinking Water** 

Collected By: **Collection Date:** 

Collected By:

**Collection Date:** 

Judi Darnell 11/03/2018 7:25

Judi Darnell

11/03/2018 7:20

Metals, Total by EPA 200 Series Result Limit(s) RL Units Note Prepared Analyzed Analyst Methods Method: EPA 200.2/EPA 200.8 Lead 31.1 15.0 1.0 ppb 11/08/18 1024 11/08/18 1447 LMH

Client Sample ID: CHS-4

**Drinking Water** Sample Matrix:

18K0513-04

11/08/18 1446

LMH

Lab Sample ID: Metals, Total by EPA 200 Series RL Units Result Limit(s) Note Prepared Analyzed **Analyst** Methods

Method: EPA 200.2/EPA 200.8

Lead <1.0 15.0 1.0 ppb 11/08/18 1024 11/08/18 1448 LMH



Client Sample ID:	CHS-5								
Sample Matrix:	Drinking Water					Collected By:		Darnell	
Lab Sample ID:	18K0513-05					Collection Da	te: 11/03	3/2018 7:20	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note F	repared	Analyzed	Analys
Method: EPA 200.2/El	PA 200.8								
Lead		2.6	15.0	1.0	ppb	11/	08/18 1024	11/08/18 1449	LMH
Client Sample ID:	CHS-6								
Sample Matrix:	Drinking Water					Collected By:	Judi I	Darnell	
Lab Sample ID:	18K0513-06					Collection Da	te: 11/03	3/2018 7:15	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note F	repared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		1.9	15.0	1.0	ppb	11/	08/18 1024	11/08/18 1449	LMH
Client Sample ID:	CHS-7								
Sample Matrix:	Drinking Water					Collected By:	Judi I	Darnell	
Lab Sample ID:	18K0513-07					Collection Da	te: 11/03	3/2018 7:10	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note F	repared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb	11/	08/18 1024	11/08/18 1452	LMH
Client Sample ID:	CHS-7BW								
Sample Matrix:	Drinking Water					Collected By:	Judi I	Darnell	
Lab Sample ID:	18K0513-08					Collection Da	te: 11/07	7/2018 6:36	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note F	repared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb	11/	08/18 1024	11/08/18 1453	LMH



Client Sample ID: Sample Matrix:	CHS-8F Drinking Water					Collected By:	ludi	Darnell	
Lab Sample ID:	18K0513-09					Collection Date:		7/2018 6:35	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
Lead		20.0	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1454	LMH
Client Sample ID:	CHS-8S								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-10					Collected By: Collection Date:		Darnell 3/2018 7:30	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
Lead		26.3	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1455	LMH
Client Sample ID:	CHS-9								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-11					Collected By: Collection Date:		Darnell 3/2018 7:18	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
Lead		2.6	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1457	LMH
Client Sample ID:	CHS-10								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-12					Collected By: Collection Date:		Darnell 3/2018 7:32	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
Lead		3.0	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1500	LMH



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CHS-11					Oallandad Day	lead: Dama all	
18K0513-13					Collection Date:	11/03/2018 6:22	
200 Series	Result	Limit(s)	RL	Units	Note Prepar	red Analyzed	Analys
PA 200.8							
	2.4	15.0	1.0	ppb	11/08/18	1024 11/08/18 1503	LMH
CHS-12							
Drinking Water 18K0513-14					Collected By: Collection Date:	Judi Darnell 11/03/2018 6:20	
200 Series	Result	Limit(s)	RL	Units	Note Prepar	ed Analyzed	Analys
PA 200.8							
	35.8	15.0	1.0	ppb	11/08/18	1024 11/08/18 1504	LMH
CHS-13							
Drinking Water 18K0513-15					Collected By: Collection Date:	Judi Darnell 11/03/2018 6:25	
200 Series	Result	Limit(s)	RL	Units	Note Prepar	red Analyzed	Analys
PA 200.8							
	1.1	15.0	1.0	ppb	11/08/18	1024 11/08/18 1504	LMH
CHS-14							
Drinking Water					Collected By:	Judi Darnell	
18K0513-16					Collection Date:	11/03/2018 6:30	
200 Series	Result	Limit(s)	RL	Units	Note Prepar	ed Analyzed	Analys
	Drinking Water 18K0513-13 200 Series 2A 200.8  CHS-12 Drinking Water 18K0513-14 200 Series 2A 200.8  CHS-13 Drinking Water 18K0513-15 200 Series 2A 200.8  CHS-14 Drinking Water 18K0513-16	Drinking Water 18K0513-13  200 Series Result  PA 200.8  CHS-12 Drinking Water 18K0513-14  200 Series Result  PA 200.8  CHS-13 Drinking Water 18K0513-15  200 Series Result  PA 200.8  1.1  CHS-14 Drinking Water 18K0513-16	Drinking Water 18K0513-13  200 Series Result Limit(s)  CHS-12 Drinking Water 18K0513-14  200 Series Result Limit(s)  CHS-13 Drinking Water 18K0513-15  200 Series Result Limit(s)  CHS-14 Drinking Water 18K0513-16	Drinking Water 18K0513-13  200 Series Result Limit(s) RL  PA 200.8  2.4 15.0 1.0  CHS-12 Drinking Water 18K0513-14  200 Series Result Limit(s) RL  PA 200.8  35.8 15.0 1.0  CHS-13 Drinking Water 18K0513-15  200 Series Result Limit(s) RL  PA 200.8  1.1 15.0 1.0  CHS-14 Drinking Water 18K0513-16	## Drinking Water 18K0513-13  ## 200 Series   Result   Limit(s)   RL   Units    ## 200.8	Drinking Water   18K0513-13   18   15.0   1.0   20.0   2	Collected By:   Judi Darnell   Collection Date:   11/03/2018   6:22

1.0

ppb

11/08/18 1024

<1.0

15.0

Lead

11/08/18 1505



			10	ortoo io					
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-14A Drinking Water 18K0513-17	VOIDED SA				Collected By:		Darnell 3/2018 6:25	
Metals, Total by EPA 2	200 Series	JK Result	Limit(s)	RL	Units		pared	Analyzed	Analys
Method: EPA 200.2/EF Lead	PA 200.8	1130	15.0	5.0	ppb	11/08/	18 1037	11/09/18 1623	LMH
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-15 Drinking Water 18K0513-18					Collected By:		Darnell 3/2018 6:25	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analyst
Method: EPA 200.2/EF Lead	PA 200.8	3.3	15.0	1.0	ppb	11/08/	18 1024	11/08/18 1506	LMH
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-16 Drinking Water 18K0513-19					Collected By:		Darnell 3/2018 6:25	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analyst
Method: EPA 200.2/EF	PA 200.8	11.8	15.0	1.0	ppb	11/08/	18 1024	11/08/18 1507	LMH
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-17 Drinking Water 18K0513-20					Collected By:		Darnell 3/2018 6:30	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analyst
Method: EPA 200.2/EF	PA 200.8	<1.0	15.0	1.0	ppb	11/08/	18 1024	11/08/18 1508	LMH



7BW ng Water 13-21 es	Result 1.4	<b>Limit(s)</b> 15.0	<b>RL</b>	Units	Collected By: Collection Date: Note Prepa	11/07/	Darnell 7/2018 6:39 Analyzed	Analys
13-21 es				Units	Collection Date:	11/07/	//2018 6:39	Analy
es 8				Units				Analy
8				Units	Note Prep	ared	Analyzed	Analys
8	1.4	15.0	1.0					
	1.4	15.0	1.0					
			1.0	ppb	11/08/18	3 1024	11/08/18 1509	LMH
ng Water					Collected By:	Judi 🛭	Darnell	
13-22					Collection Date:	11/03/	/2018 6:30	
es	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
	<1.0	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1510	LMH
9								
ng Water					Collected By:	Judi 🛭	Darnell	
13-23					Collection Date:	11/03/	/2018 6:10	
es	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
	<1.0	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1514	LMH
9A								
ng Water					Collected By:	Judi [	Darnell	
12.24					Collection Date:	11/03/	/2018 6:05	
13-24								
(9   (1)   (1)	g Water 13-23 es	g Water 13-23 es Result <1.0	9 g Water 13-23 es Result Limit(s)  <1.0 15.0  9A g Water	9 g Water 13-23 es Result Limit(s) RL <1.0 15.0 1.0	9 g Water 13-23 es Result Limit(s) RL Units  <1.0 15.0 1.0 ppb	g Water  Gollected By: Collection Date:  Result Limit(s) RL Units Note Preparent  41.0 15.0 1.0 ppb 11/08/18  9A g Water  Collected By: Collected By: Collected By: Collected By:	9 g Water Collected By: Judi E 13-23 Collection Date: 11/03 es Result Limit(s) RL Units Note Prepared <a href="https://doi.org/10.10/24/10.24">&lt; 1.0</a> 15.0 1.0 ppb 11/08/18 1024	9

1.0

ppb

11/08/18 1037

7.5

Lead

15.0

11/09/18 1554



			10010					
CHS-20								
Drinking Water					Collected By:	Judi D	arnell	
18K0513-25					Collection Date:			
200 Series	Result	Limit(s)	RL	Units	Note Prepa	red	Analyzed	Analys
PA 200.8								
	5.7	15.0	1.0	ppb	11/08/18	1024	11/08/18 1515	LMH
CHS-21								
Drinking Water					Collected By:	Judi D	arnell	
18K0513-26					Collection Date:	11/03/2	2018 6:10	
200 Series	Result	Limit(s)	RL	Units	Note Prepa	red	Analyzed	Analys
PA 200.8								
	<1.0	15.0	1.0	ppb	11/08/18	1024	11/08/18 1516	LMH
CHS-22								
Drinking Water					Collected By:			
18K0513-27					Collection Date:	11/03/2	2018 5:55 	
200 Series	Result	Limit(s)	RL	Units	Note Prepa	red	Analyzed	Analys
PA 200.8								
	1.6	15.0	1.0	ppb	11/08/18	1024	11/08/18 1517	LMH
CHS-23								
Drinking Water 18K0513-28					Collected By: Collection Date:			
200 Series	Result	Limit(s)	RL	Units	Note Prepa	red	Analyzed	Analys
PA 200.8								
	2.7	15.0	1.0	ppb	11/08/18	1024	11/08/18 1518	LMH
	Drinking Water 18K0513-25 200 Series  CHS-21 Drinking Water 18K0513-26 200 Series  CHS-22 Drinking Water 18K0513-27 200 Series  CHS-23 Drinking Water 18K0513-28 200 Series	Drinking Water 18K0513-25 200 Series Result  PA 200.8  5.7  CHS-21 Drinking Water 18K0513-26 200 Series Result  PA 200.8  <1.0  CHS-22 Drinking Water 18K0513-27 200 Series Result  PA 200.8  1.6  CHS-23 Drinking Water 18K0513-28  200 Series Result  PA 200.8  Result	CHS-20 Drinking Water 18K0513-25  20 Series Result Limit(s)  CHS-21 Drinking Water 18K0513-26  20 Series Result Limit(s)  CHS-22 Drinking Water 18K0513-27  20 Series Result Limit(s)  CHS-22 Drinking Water 18K0513-27  CHS-23 Drinking Water 18K0513-28  CHS-23 Drinking Water 18K0513-28	CHS-20 Drinking Water 18K0513-25  200 Series Result Limit(s) RL  2A 200.8  5.7 15.0 1.0  CHS-21 Drinking Water 18K0513-26  200 Series Result Limit(s) RL  2A 200.8  CHS-22 Drinking Water 18K0513-27  200 Series Result Limit(s) RL  2A 200.8  1.6 15.0 1.0  CHS-23 Drinking Water 18K0513-28  200 Series Result Limit(s) RL  2A 200.8  CHS-23 Drinking Water 18K0513-28  200 Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  200 Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  200 Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  COO Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  COO Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  COO Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  COO Series Result Limit(s) RL  CHS-23 Drinking Water 18K0513-28  COO Series Result Limit(s) RL	CHS-20 Drinking Water 18K0513-25  Result Limit(s) RL Units  A 200.8  5.7 15.0 1.0 ppb  CHS-21 Drinking Water 18K0513-26  CO Series Result Limit(s) RL Units  CA 200.8  41.0 15.0 1.0 ppb  CHS-22 Drinking Water 18K0513-27  CO Series Result Limit(s) RL Units  CHS-22 Drinking Water 18K0513-27  CO Series Result Limit(s) RL Units  CA 200.8  1.6 15.0 1.0 ppb  CHS-23 Drinking Water 18K0513-28  CO Series Result Limit(s) RL Units  CHS-23 Drinking Water 18K0513-28  CO Series Result Limit(s) RL Units  CHS-23 Drinking Water 18K0513-28  CO Series Result Limit(s) RL Units  CA 200.8	CHS-20 Drinking Water 18K0513-25  Result Limit(s) RL Units Note Preparation (CHS-21) Drinking Water 18K0513-26  CHS-21 Drinking Water 18K0513-26  Result Limit(s) RL Units Note Preparation (CHS-21) Drinking Water 18K0513-26  CHS-22 Drinking Water 18K0513-27  COllected By: Collection Date:  CHS-22 Drinking Water 18K0513-27  Collected By:	CHS-20 Drinking Water 18K0513-25  Result Limit(s) RL Units Note Prepared  CHS-21 Drinking Water 18K0513-26  COllected By: Judi D Collection Date: 11/03/2  CHS-21 Drinking Water 18K0513-26  CHS-22 Drinking Water 18K0513-27  COllected By: Judi D Collection Date: 11/03/2  CHS-22 Drinking Water 18K0513-27  Collected By: Judi D Collection Date: 11/03/2  CHS-22 Drinking Water 18K0513-27  Collected By: Judi D Collection Date: 11/03/2  CHS-23 Drinking Water 18K0513-28  Collected By: Judi D Collection Date: 11/03/2  CHS-23 Drinking Water 18K0513-28  Collected By: Judi D Collection Date: 11/03/2  CHS-23 Drinking Water 18K0513-28  Collected By: Judi D Collection Date: 11/03/2  COLLECTED Date: 11/03/2  CHS-23 Drinking Water 18K0513-28  Collected By: Judi D Collection Date: 11/03/2  COLLECTED Date: 11/03/2	CHS-20



Client Sample ID: Sample Matrix:	CHS-24 Drinking Water					Collected	-	li Darnell	
Lab Sample ID:	18K0513-29					Collectio	n Date: 11/	03/2018 5:49	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb		11/08/18 1024	11/08/18 1518	LMH
Client Sample ID:	CHS-25								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-30					Collected Collectio	-	di Darnell 03/2018 5:50	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EI	PA 200.8								
Lead		2.6	15.0	1.0	ppb		11/08/18 1024	11/08/18 1519	LMH
Client Sample ID:	CHS-26								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-31					Collected Collection	-	di Darnell 03/2018 5:52	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb		11/08/18 1024	11/08/18 1520	LMH
Client Sample ID:	CHS-26BW								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-32					Collected Collection	-	di Darnell 07/2018 6:41	
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb		11/08/18 1024	11/08/18 1521	LMH



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Client Sample ID:	CHS-27								
Sample Matrix:	Drinking Water					Collected By	: Judi I	Darnell	
Lab Sample ID:	18K0513-33					Collection Da	ate: 11/03	/2018 5:54	
Metals, Total by EPA :	200 Series	Result	Limit(s)	RL	Units	Note 1	Prepared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb	11,	/08/18 1024	11/08/18 1525	LMH
Client Sample ID:	CHS-28								
Sample Matrix:	<b>Drinking Water</b>					Collected By	: Judi I	Darnell	
Lab Sample ID:	18K0513-34					Collection Da	ate: 11/03	/2018 6:35	
Metals, Total by EPA 2 Methods	200 Series	Result	Limit(s)	RL	Units	Note I	Prepared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		2.1	15.0	1.0	ppb	11.	/08/18 1024	11/08/18 1528	LMH
Client Sample ID:	CHS-29								
Sample Matrix:	Drinking Water					Collected By	: Judi I	Darnell	
Lab Sample ID:	18K0513-35					Collection Da		/2018 6:35	
Metals, Total by EPA :	200 Series	Result	Limit(s)	RL	Units	Note I	Prepared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		1.5	15.0	1.0	ppb	11,	/08/18 1024	11/08/18 1529	LMH
Client Sample ID:	CHS-30								
Sample Matrix:	Drinking Water					Collected By	: Judi I	Darnell	
Lab Sample ID:	18K0513-36					Collection Da		/2018 6:35	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note I	Prepared	Analyzed	Analys
Method: EPA 200.2/EI	PA 200.8								
Lead		<1.0	15.0	1.0	ppb	11/	/08/18 1024	11/08/18 1530	LMH



CHS-31 Drinking Water 18K0513-37								
18K0513-37					Collected By:	Judi D	arnell	
					Collection Date:	11/03/	2018 6:35	
0 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
200.8								
	14.0	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1531	LMH
CHS-32								
Drinking Water					Collected By:	Judi D	arnell	
18K0513-38					Collection Date:	11/03/	2018 6:35	
0 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
200.8								
	39.0	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1532	LMH
CHS-33								
Drinking Water					Collected By:	Judi D	arnell	
18K0513-39					Collection Date:	11/03/	2018 6:40	
0 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
200.8								
	<1.0	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1534	LMH
CHS-33BW								
Drinking Water					Collected By:	Judi D	arnell	
18K0513-40					Collection Date:	11/07/	2018 6:50	
0 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
	CHS-32 Drinking Water 18K0513-38  O Series  CHS-33 Drinking Water 18K0513-39  O Series  CHS-33BW Drinking Water 18K0513-40	200.8  CHS-32 Drinking Water 18K0513-38  0 Series Result  200.8  39.0  CHS-33 Drinking Water 18K0513-39  0 Series Result  200.8  <1.0  CHS-33BW Drinking Water 18K0513-40  0 Series Result  Result	14.0 15.0  CHS-32 Drinking Water 18K0513-38  0 Series Result Limit(s)  200.8  39.0 15.0  CHS-33 Drinking Water 18K0513-39  0 Series Result Limit(s)  200.8  CHS-33 CHS-33 Drinking Water 18K0513-40  0 Series Result Limit(s)  CHS-33BW Drinking Water 18K0513-40  0 Series Result Limit(s)	14.0 15.0 1.0  CHS-32 Drinking Water 18K0513-38  0 Series Result Limit(s) RL  200.8  39.0 15.0 1.0  CHS-33 Drinking Water 18K0513-39  0 Series Result Limit(s) RL  200.8  -1.0 15.0 1.0  CHS-33BW Drinking Water 18K0513-40  0 Series Result Limit(s) RL	14.0 15.0 1.0 ppb  CHS-32 Drinking Water 18K0513-38  0 Series Result Limit(s) RL Units  200.8  39.0 15.0 1.0 ppb  CHS-33 Drinking Water 18K0513-39  0 Series Result Limit(s) RL Units  200.8  CHS-33 O Series Result Limit(s) RL Units  CHS-33  CHS-33BW Drinking Water 18K0513-40  0 Series Result Limit(s) RL Units  CHS-33BW Drinking Water 18K0513-40  0 Series Result Limit(s) RL Units	14.0	14.0	14.0   15.0   1.0   ppb   11/08/18 1024   11/08/18 1531

1.0

ppb

11/08/18 1024

<1.0

Lead

15.0

11/08/18 1535



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Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-37 Drinking Water 18K0513-44					Collected By: Collection Date:		Darnell /2018 6:50	
Method: EPA 200.2/EP Lead	A 200.8	3.1	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1538	LMH
Metals, Total by EPA 200 Series Methods		Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-36 Drinking Water 18K0513-43					Collected By: Collection Date:		Darnell /2018 6:41	
Method: EPA 200.2/EP Lead	A 200.8	2.9	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1537	LMH
Metals, Total by EPA 2 Methods	00 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-35 Drinking Water 18K0513-42					Collected By: Collection Date:		Darnell /2018 6:42	
Method: EPA 200.2/EP Lead	A 200.8	3.9	15.0	1.0	ppb	11/08/18	3 1024	11/08/18 1536	LMH
Metals, Total by EPA 2 Methods	00 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-34 Drinking Water 18K0513-41					Collected By: Collection Date:		Darnell /2018 6:42	

1.0

ppb

11/08/18 1024

2.4

Lead

15.0

11/08/18 1540



			101	10010					
Client Sample ID:	CHS-38								
Sample Matrix:	Drinking Water					Collected By:	Judi	Darnell	
Lab Sample ID:	18K0513-45					Collection Date:	11/03	3/2018 6:50	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analy
Method: EPA 200.2/E	PA 200.8								
Lead		3.0	15.0	1.0	ppb	11/08/	18 1024	11/08/18 1541	LMH
Client Sample ID:	CHS-39								
Sample Matrix:	Drinking Water					Collected By:	Judi	Darnell	
Lab Sample ID:	18K0513-46					Collection Date:	11/03	3/2018 7:00	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
Lead		14.1	15.0	1.0	ppb	11/08/	18 1024	11/08/18 1542	LMH
Client Sample ID:	CHS-40								
Sample Matrix:	Drinking Water					Collected By:	Judi	Darnell	
Lab Sample ID:	18K0513-47					Collection Date:	11/03	3/2018 7:00	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
Lead		17.3	15.0	1.0	ppb	11/08/	18 1024	11/08/18 1555	LMH
Client Sample ID:	CHS-41								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-48					Collected By: Collection Date:		Darnell 3/2018 7:00	
Metals, Total by EPA Methods	200 Series	Result	Limit(s)	RL	Units	Note Pre	pared	Analyzed	Analys
Method: EPA 200.2/E	PA 200.8								
			4-0	4.0					

1.0

ppb

11/08/18 1024

8.2

15.0

Lead

11/08/18 1556



Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-45 Drinking Water 18K0513-52					Collected By: Collection Date:		Darnell /2018 7:02	
Method: EPA 200.2/EI Lead	PA 200.8	24.5	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1559	LMH
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-44 Drinking Water 18K0513-51					Collected By: Collection Date:		Darnell /2018 7:00	
Method: EPA 200.2/El Lead	PA 200.8	35.9	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1558	LMH
Metals, Total by EPA : Methods	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-43 Drinking Water 18K0513-50					Collected By: Collection Date:		Darnell /2018 7:00	
Method: EPA 200.2/El Lead	PA 200.8	9.8	15.0	1.0	ppb	11/08/1	8 1024	11/08/18 1557	LMH
Metals, Total by EPA	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Client Sample ID: Sample Matrix: Lab Sample ID:	CHS-42 Drinking Water 18K0513-49					Collected By: Collection Date:		Darnell /2018 7:00	

1.0

ppb

11/08/18 1024

7.0

15.0

Lead

11/08/18 1600



				10010					
Client Sample ID:	CHS-46								
Sample Matrix:	Drinking Water					Collected By:	Judi l	Darnell	
Lab Sample ID:	18K0513-53					Collection Date:		3/2018 7:02	
Metals, Total by EPA 2	letals, Total by EPA 200 Series		Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/EF	PA 200.8								
Lead		34.5	15.0	1.0	ppb	11/08/1	8 1028	11/08/18 1716	LMH
Client Sample ID:	CHS-47								
Sample Matrix:	<b>Drinking Water</b>					Collected By:	Judi l	Darnell	
Lab Sample ID:	18K0513-54					Collection Date:	11/03	3/2018 7:08	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/EF	PA 200.8								
Lead		14.0	15.0	1.0	ppb	11/08/1	8 1028	11/08/18 1717	LMH
Client Sample ID:	CHS-48								
Sample Matrix:	Drinking Water					Collected By:	Judi l	Darnell	
Lab Sample ID:	18K0513-55					Collection Date:	11/03	3/2018 7:06	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/EF	PA 200.8								
Lead		13.1	15.0	1.0	ppb	11/08/1	8 1028	11/08/18 1718	LMH
Client Sample ID:	CHS-49								
Sample Matrix: Lab Sample ID:	Drinking Water 18K0513-56					Collected By: Collection Date:		Darnell 3/2018 7:10	
Metals, Total by EPA 2	200 Series	Result	Limit(s)	RL	Units	Note Prep	ared	Analyzed	Analys
Method: EPA 200.2/EF	PA 200.8								
Lead		8.1	15.0	1.0	ppb	11/08/1	8 1028	11/08/18 1720	LMH



18K0513

**CHS-50** Client Sample ID:

Sample Matrix: **Drinking Water** Collected By: Judi Darnell

Lab Sample ID: 18K0513-57 **Collection Date:** 11/03/2018 7:12

Metals, Total by EPA 200 Series Result Limit(s) RL Units Note Prepared Analyst Analyzed Methods Method: EPA 200.2/EPA 200.8

Lead 7.0 15.0 1.0 11/08/18 1028 11/08/18 1721 ppb LMH

**CHS-51** Client Sample ID:

Sample Matrix: **Drinking Water** Collected By: Judi Darnell 18K0513-58 Lab Sample ID: **Collection Date:** 11/03/2018 7:30

Analyst Metals, Total by EPA 200 Series Result Limit(s) RL Units Note Prepared Analyzed Methods Method: EPA 200.2/EPA 200.8 Lead 1.0 15.0 1.0 ppb 11/08/18 1028 11/08/18 1722 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

Project Requested Certification(s)

Microbac Laboratories, Inc. - Baltimore

E871126 Florida - NELAC

#### **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: 11/12/2018 11:50