



Microbac Laboratories, Inc. - Baltimore

CERTIFICATE OF ANALYSIS

18L0586

Tidewater

Project Name: Walkersville Middle

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

Project / PO Number: N/A
Received: 12/06/2018
Reported: 01/18/2019

Analytical Testing Parameters

Table with client sample details: Client Sample ID: S23 22 2050 OT, Sample Matrix: Drinking Water, Lab Sample ID: 18L0586-01, Collected By: Dhanushka Gamage, Collection Date: 12/06/2018 4:38

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with lead test results: Lead, Result: 2.9, Limit(s): 20.0, RL: 1.0, Units: ppb, Prepared: 01/11/19 1535, Analyzed: 01/15/19 1355, Analyst: GHW

Table with client sample details: Client Sample ID: S23 37 2050 TL, Sample Matrix: Drinking Water, Lab Sample ID: 18L0586-02, Collected By: Dhanushka Gamage, Collection Date: 12/06/2018 4:33

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with lead test results: Lead, Result: 2.2, Limit(s): 20.0, RL: 1.0, Units: ppb, Prepared: 01/11/19 1535, Analyzed: 01/15/19 1359, Analyst: GHW

Table with client sample details: Client Sample ID: S23 121 2050 HE, Sample Matrix: Drinking Water, Lab Sample ID: 18L0586-03, Collected By: Dhanushka Gamage, Collection Date: 12/06/2018 4:16

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with lead test results: Lead, Result: 17.2, Limit(s): 20.0, RL: 1.0, Units: ppb, Prepared: 01/11/19 1535, Analyzed: 01/15/19 1400, Analyst: GHW

Table with client sample details: Client Sample ID: S23 122 2050 HE, Sample Matrix: Drinking Water, Lab Sample ID: 18L0586-04, Collected By: Dhanushka Gamage, Collection Date: 12/06/2018 4:17

Metals, Total by EPA 200 Series Methods

Method: EPA 200.2/EPA 200.8

Table with lead test results: Lead, Result: 12.5, Limit(s): 20.0, RL: 1.0, Units: ppb, Prepared: 01/11/19 1535, Analyzed: 01/15/19 1401, Analyst: GHW



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Client Sample ID: S23 123 2050 HE	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:17
Lab Sample ID: 18L0586-05	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	17.3	20.0	1.0	ppb		01/11/19 1535	01/15/19 1403	GHW

Client Sample ID: S23 124 2050 HE	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:17
Lab Sample ID: 18L0586-06	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	7.4	20.0	1.0	ppb		01/11/19 1535	01/15/19 1404	GHW

Client Sample ID: S23 125 2050 HE	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:18
Lab Sample ID: 18L0586-07	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	16.4	20.0	1.0	ppb		01/11/19 1535	01/15/19 1408	GHW

Client Sample ID: S23 126 2050 HE	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:18
Lab Sample ID: 18L0586-08	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	11.9	20.0	1.0	ppb		01/11/19 1535	01/15/19 1409	GHW



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Client Sample ID: S23 127 2050 HE	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:18
Lab Sample ID: 18L0586-09	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	6.0	20.0	1.0	ppb		01/11/19 1535	01/15/19 1411	GHW

Client Sample ID: W01A 07 2050 WF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:22
Lab Sample ID: 18L0586-10	

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		01/11/19 1535	01/15/19 1412	GHW

Client Sample ID: W01A 01 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:57
Lab Sample ID: 18L0586-11	

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		01/11/19 1535	01/15/19 1413	GHW

Client Sample ID: W01B 01 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:45
Lab Sample ID: 18L0586-12	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.7	20.0	1.0	ppb		01/11/19 1535	01/15/19 1417	GHW



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Client Sample ID: W01B 02 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:46
Lab Sample ID: 18L0586-13	

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		01/11/19 1535	01/15/19 1419	GHW

Client Sample ID: S23 09 2050 NO	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:32
Lab Sample ID: 18L0586-14	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.9	20.0	1.0	ppb		01/11/19 1535	01/15/19 1420	GHW

Client Sample ID: K17 01 2050 IM	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:33
Lab Sample ID: 18L0586-15	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/11/19 1535	01/15/19 1424	GHW

Client Sample ID: K17 02 2050 IM	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:08
Lab Sample ID: 18L0586-16	

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		01/11/19 1535	01/15/19 1425	GHW



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Client Sample ID: K31 01 L 2050 KS	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:06
Lab Sample ID: 18L0586-17	

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		01/11/19 1535	01/15/19 1427	GHW

Client Sample ID: K31 02 2050 KS	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:05
Lab Sample ID: 18L0586-18	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	3.3	20.0	1.0	ppb		01/11/19 1535	01/15/19 1428	GHW

Client Sample ID: W01B 03 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:40
Lab Sample ID: 18L0586-19	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	4.6	20.0	1.0	ppb		01/11/19 1535	01/15/19 1430	GHW

Client Sample ID: W01B 04 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:40
Lab Sample ID: 18L0586-20	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	3.5	20.0	1.0	ppb		01/11/19 1535	01/15/19 1431	GHW



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Client Sample ID: W01B 05 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:41
Lab Sample ID: 18L0586-21	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	3.6	20.0	1.0	ppb		01/11/19 1535	01/15/19 1435	GHW

Client Sample ID: W01B 06 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:10
Lab Sample ID: 18L0586-22	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	9.9	20.0	1.0	ppb		01/11/19 1535	01/15/19 1442	GHW

Client Sample ID: W01A 03 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 3:41
Lab Sample ID: 18L0586-23	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/11/19 1535	01/15/19 1443	GHW

Client Sample ID: W01A 04 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:31
Lab Sample ID: 18L0586-24	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
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Method: EPA 200.2/EPA 200.8								
Lead	<1.0	20.0	1.0	ppb		01/11/19 1535	01/15/19 1444	GHW



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Client Sample ID: W01A 05 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:28
Lab Sample ID: 18L0586-25	

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		01/11/19 1535	01/15/19 1446	GHW

Client Sample ID: W01A 06 2050 DF	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:26
Lab Sample ID: 18L0586-26	

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		01/11/19 1535	01/15/19 1447	GHW

Client Sample ID: K-31-R-2050 KS	Collected By: Dhanushka Gamage
Sample Matrix: Drinking Water	Collection Date: 12/06/2018 4:07
Lab Sample ID: 18L0586-27	

Metals, Total by EPA 200 Series Methods	Result	Limit(s)	RL	Units	Note	Prepared	Analyzed	Analyst
Method: EPA 200.2/EPA 200.8								
Lead	1.7	20.0	1.0	ppb		01/11/19 1535	01/15/19 1448	GHW

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: 2.0°C



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Cooler Inspection Checklist

Ice Present or not required?	Yes	Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes	Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes	Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes	Sample type identified on COC?	Yes
Correct type of Containers Received	Yes	Correct number of containers listed on COC?	Yes
Containers Intact?	Yes	COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes	Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes	Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes	Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	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:

Jake Mason
Client Relations

Reported: 01/18/2019 10:18



1 8 L 0 5 8 6

Tidewater



Multiple Sample COC

Site: **Walkersville Middle: 55 West Frederick Street, Office Ph.: Walkersville, MD 21793**

Date Sampled: **Thursday, December 6, 2018**

Row	Area Number/Room/Space	From Item Description	Sample Name:	Date/Time Sampled (ex: 03/01/2018 13:28)	Sampler's Name
✓ 1	OT Sink	Non-Kitchen lavatory/Sink	S23 22 2050 OT <i>4-38 AM</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 2	Teachers Lounge	Non-Kitchen lavatory/Sink	S23 37 2050 TL <i>4-32</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 3	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 121 2050 HE <i>4-16</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 4	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 122 2050 HE <i>4-17</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 5	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 123 2050 HE <i>4-17</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 6	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 124 2050 HE <i>4-17</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 7	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 125 2050 HE <i>4-18</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 8	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 126 2050 HE <i>4-18</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 9	Home Ec. Sink	Non-Kitchen lavatory/Sink	S23 127 2050 HE <i>4-18</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 10	Woodshop	Water/Drinking Fountain	W01A 07 2050 WF <i>4-22</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 11	Girls Lockerroom	Water/Drinking Fountain	✓ W01A 01 2050 WF <i>3-57</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 12	GYM	Water/Drinking Fountain	W01B 01 2050 WF <i>3-45</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 13	GYM	Water/Drinking Fountain	W01B 02 2050 WF <i>3-46</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 14	Health Room	Non-Kitchen lavatory/Sink	S23 09 2050 NO <i>3-22</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 15	Health Room	Ice Machine	K17 01 2050 IM <i>3-33</i>	Thursday, December 6, 2018	Dhanushka Gamage
* 16	Boys Lockerroom	Water/Drinking Fountain	W01A 02 2050 WF <i>out of order</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 17	Kitchen	Ice Machine	K17 02 2050 IM <i>4-08</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 18	Kitchen	Kitchen Sink	K31 01 LOR 2050 KS <i>4-06</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 19	Kitchen	Kitchen Sink	K31 02 2050 KS <i>4-05</i>	Thursday, December 6, 2018	Dhanushka Gamage
✓ 20	GYM Lobby	Water/Drinking Fountain	W01B 03 2050 WF <i>3-40 AM</i>	Thursday, December 6, 2018	Dhanushka Gamage

Samples Relinquished By: *Dun*

Samples Received By: _____

Temp: _____

Dun *12/6/18* *06:10*

27 samples

