



EMSL Analytical, Inc.

10752 & 10768 Baltimore Avenue Beltsville, MD 20705

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<http://www.EMSL.com/beltsvillelab@emsl.com>

EMSL Order: 192308716

Customer ID: WATE78

Customer PO:

Project ID:

Attention: Eric Messerschmidt
WaterPro, Inc.
5690 French Avenue
Sykesville, MD 21784

Phone: (410) 746-1111

Fax: (410) 795-0329

Collected Date: 09/19/2023
Received Date: 09/19/2023 12:53 PM
Processed Date: 09/19/2023 01:50 PM
Analyzed Date: 09/29/2023 11:23 AM

Project: HCPB SUMMER (HOWARD COUNTY)

Legionella Detection - ID & Enumeration of *L. pneumophila* serotype 1, *L. pneumophila* (2-14) and *Legionella* species by ISO 11731:2017 Culture Method (EMSL Test Code M345 & Method MICRO-SOP-105)

Client Sample ID/Sample Location Lab Sample Number	Sample Type	Volume Submitted (mL)	Volume Filtered (mL)	Method Processed	Identification	Volume Examined (mL)	Limit of Detection (CFU/mL)	Final Results (CFU/mL)
1 - LONG REACH HS 192308716-0001	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
2 - OAKLAND MILLS HS 192308716-0002	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
3 - LAKE ELKHORN MS 192308716-0003	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
4 - ADMINISTRATION 192308716-0004	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
5 - FOREST RIDGE ES 192308716-0005	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
6 - LAUREL WOODS ES 192308716-0006	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
7 - ATHOLTON HS 192308716-0007	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
8 - CENTENNIAL HS 192308716-0008	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
9 - RIVER HILL HS 192308716-0009	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
10 - WILDE LAKE HS 192308716-0010	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
11 - DUNLOGGIN MS 192308716-0011	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
12 - HARPERS CHOICE MS 192308716-0012	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
13 - RESERVOIR HS 192308716-0013	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
14 - CLARKVILLE ES 192308716-0014	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
15 - MARRIOTT'S RIDGE HS 192308716-0015	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
16 - MT HERBRON HS 192308716-0016	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
17 - ST JOHN'S LANE ES 192308716-0017	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
18 - WEST FRIENDSHIP ES 192308716-0018	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
19 - HOWARD HS TOWER 1 - WEST 192308716-0019	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
20 - HOWARD HS TOWER 2 - GROUND 192308716-0020	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
21 - HOWARD HS TOWER 3 - ROOF 192308716-0021	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
22 - ATHOLTON ES 192308716-0022	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND
23 - OAKLAND MILL ES	Non-potable	100	100	Concentrated	None Detected	2	0.50	ND

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192308716-0023

Abubakar Barry, Microbiology Lab Manager
or other Approved Signatory

Legionella identification is carried out using a direct fluorescent antibody (DFA) for *Legionella pneumophila* (serogroups 1-14), a DFA for *L. pneumophila* serogroup 1 (LP1) and a DFA for 15 other *Legionella* species. *L. pneumophila* (2-14) has tested positive by DFA for *L. pneumophila* but negative for LP1. *Legionella* spp. have tested negative by DFA but are positive for growth on selective media. ND = None Detected/Below LOD. The limit of detection (LOD) is the lowest reportable CFU/mL count and is dependent on the sample volume processed and the dilutions used during testing. Volume processed may be lower than volume submitted if sample is turbid or contains components that restrict concentration of the sample. Volume examined is the calculated amount of the original sample that is plated for culture analysis. High bacterial counts (*Legionella* or otherwise) may require dilution of the sample that will lower the Volume Examined and raise the Limit of Detection.

Samples high in non-*Legionella* bacteria may obscure the detection of *Legionella*.

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

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