



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-0262
<http://www.EMSL.com> / cinnmicrolab@emsl.com

EMSL Order: 372115290

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: 09/13/2021 08:35 AM - 09/13/2021 01:40 PM

Received Date: 09/14/2021 09:40 AM

Processed Date: 09/14/2021 02:30 PM

Analyzed Date: 09/24/2021 09:00 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 - Howard HS Ground Tower 372115290-0001	Non-potable	250	250	Concentrated	None Detected	5	0.20	ND
2 - Howard HS Roof Soccer Field Tower 372115290-0002	Non-potable	250	250	Concentrated	None Detected	5	0.20	ND
3 - Howard HS Loading Dock Tower 372115290-0003	Non-potable	250	250	Concentrated	None Detected	5	0.20	ND
4 - Administration 372115290-0004	Potable	250	250	Concentrated	None Detected	5	0.20	ND
5 - St John's Lane ES 372115290-0005	Potable	250	250	Concentrated	None Detected	5	0.20	ND
6 - West Friendship ES 372115290-0006	Potable	250	250	Concentrated	None Detected	5	0.20	ND
7 - Atholton HS 372115290-0007	Potable	250	250	Concentrated	None Detected	5	0.20	ND
8 - Centennial HS 372115290-0008	Potable	250	250	Concentrated	None Detected	5	0.20	ND
9 - River Hill HS 372115290-0009	Potable	250	250	Concentrated	None Detected	5	0.20	ND
10 - Wilde Lake HS 372115290-0010	Potable	250	250	Concentrated	None Detected	5	0.20	ND
11 - Dunloggin MS 372115290-0011	Potable	250	250	Concentrated	None Detected	5	0.20	ND
12 - Harpers Choice MS 372115290-0012	Potable	250	250	Concentrated	None Detected	5	0.20	ND
13 - Atholton ES 372115290-0013	Potable	250	250	Concentrated	None Detected	5	0.20	ND
14 - Clarkville ES 372115290-0014	Potable	250	250	Concentrated	None Detected	5	0.20	ND
15 - Marriotts Ridge HS 372115290-0015	Potable	250	250	Concentrated	None Detected	5	0.20	ND
16 - Mt Hebron HS 372115290-0016	Potable	250	250	Concentrated	None Detected	5	0.20	ND

Vincent Iuzzolino, M.S., Laboratory Director
or other Approved Signatory

Initial report from: 09/27/2021 05:30 PM

Printed 09/27/2021 05:30 PM

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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.

AIHA-LAP, LLC--EMLAP Accredited #100194, CDC ELITE certified. NYS ELAP #10872 - NYS ELAP certification is applicable to the enumeration of *Legionella* spp.(NYS ELAP certification does not apply to *Legionella* species identification)

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