



EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560
Tel/Fax: (919) 465-3900 / (919) 465-3950
<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 292204641
Customer ID: APXC62
Customer PO: STA010-0526025-22006853 T2
Project ID: Stafford County Public School

Attention: Carolyn Pitera
Apex Companies, LLC
9700 Capital Court, Ste 100
Manassas, VA 20110

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 06/06/2022 12:06 PM - 06/06/2022 12:54 PM
Received Date: 06/07/2022 09:45 AM
Processed Date: 06/07/2022 11:00 AM
Analyzed Date: 06/16/2022 10:15 AM

Project: SCPS legionella tap water sampling (Stafford County Public School (SCPS))

Legionella Detection - ID & Enumeration of *L. pneumophila* & *Legionella* species by ISO 11731:2017 Culture Method (EMSL Test Code M341 & 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)
060622DMS01W 292204641-0001	Potable	250	250	Concentrated	None Detected	5	0.20	ND
060622DMS02W - Girls locker room 292204641-0002	Potable	250	250	Concentrated	None Detected	5	0.20	ND
060622DMS03W 292204641-0003	Potable	250	250	Concentrated	None Detected	5	0.20	ND
060622DMS04W 292204641-0004	Potable	250	250	Concentrated	None Detected	5	0.20	ND

Alicia Folgar, Laboratory Manager
or other Approved Signatory

Legionella identification is carried out using a direct fluorescent antibody (DFA) for *Legionella pneumophila* (serogroups 1-14) and a DFA for 15 other *Legionella* species. *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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<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 292204644
Customer ID: APXC62
Customer PO: STA010-0526025-22006853 T2
Project ID: Stafford County Public School

Attention: Carolyn Pitera
Apex Companies, LLC
9700 Capital Court, Ste 100
Manassas, VA 20110

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 06/06/2022 12:03 PM - 06/06/2022 06:31 PM
Received Date: 06/07/2022 09:45 AM
Processed Date: 06/07/2022 03:35 PM
Analyzed Date: 06/16/2022 10:45 AM

Project: DMS swab samples /SCPS legionella tap water sampling (Stafford County Public School (SCPS))

Legionella Detection - ID & Enumeration of *L. pneumophila* & *Legionella* species by ISO 11731:2017 Culture Method (EMSL Test Code M341 & Method MICRO-SOP-105)

Client Sample ID/Sample Location Lab Sample Number	Sample Type	Swabs Submitted	Volume Resuspended (mL)	Method Processed	Identification	Limit of Detection (CFU/swab)	Final Results (CFU/swab)
060622DMS 01S 292204644-0001	Potable	1	5	Dilution	None Detected	50.00	ND
060622DMS 02S - Girls locker room 292204644-0002	Potable	1	5	Dilution	None Detected	50.00	ND
060622DMS 03S 292204644-0003	Potable	1	5	Dilution	None Detected	50.00	ND
060622DMS 04S 292204644-0004	Potable	1	5	Dilution	None Detected	50.00	ND

Alicia Folgar, Laboratory Manager
or other Approved Signatory

Legionella identification is carried out using a direct fluorescent antibody (DFA) for *Legionella pneumophila* (serogroups 1-14) and a DFA for 15 other *Legionella* species. *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/swab count and is dependent on the resuspended volume and the dilutions used during testing. High bacterial counts (*Legionella* or otherwise) may require dilution of the sample that will raise the Limit of Detection.

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EMSL Order: 292208145
Customer ID: APXC62
Customer PO: STA0110-0526025 Task 3
Project ID: Stafford County Public School

Attention: Carolyn Pitera
Apex Companies, LLC
9700 Capital Court, Ste 100
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Phone: (703) 396-6730
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Collected Date: 09/20/2022 08:40 PM - 09/20/2022 09:49 PM
Received Date: 09/22/2022 09:00 AM
Processed Date: 09/22/2022 02:00 PM
Analyzed Date: 10/03/2022 01:20 PM

Project: Edward Drew Middle School/SCPS 75% Legionella (Stafford County Public School (SCPS))

Legionella Detection - ID & Enumeration of *L. pneumophila* & *Legionella* species by ISO 11731:2017 Culture Method (EMSL Test Code M341 & 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)
EDMS92022-01W - across prep room 292208145-0001		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-02W - across room 201 292208145-0002		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-03W - cafeteria, water fountain 292208145-0003		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-04W - cafeteria, bottle filler 292208145-0004		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-05W - outside gym, across cafeteria 292208145-0005		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-06W - boy's locker room 292208145-0006		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-07W - ground floor room 8 292208145-0007		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-08W - ground floor room 15 292208145-0008		250	250	Concentrated	None Detected	5	0.20	ND
EDMS92022-11W - blank 292208145-0009		250	250	Concentrated	None Detected	5	0.20	ND

Billy Barnes, Laboratory Manager
or other Approved Signatory

Legionella identification is carried out using a direct fluorescent antibody (DFA) for *Legionella pneumophila* (serogroups 1-14) and a DFA for 15 other *Legionella* species. *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.

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EMSL Order: 292208148
Customer ID: APXC62
Customer PO: STA0110-0526025 Task 3
Project ID: Stafford County Public School

Attention: Carolyn Pitera
Apex Companies, LLC
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Phone: (703) 396-6730
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Collected Date: 09/20/2022 08:38 PM - 09/21/2022 09:38 PM
Received Date: 09/22/2022 09:00 AM
Processed Date: 09/23/2022 02:55 PM
Analyzed Date: 10/04/2022 03:30 PM

Project: Edward Drew Middle School/SCPS 75% Legionella (Stafford County Public School (SCPS))

Legionella Detection - ID & Enumeration of *L. pneumophila* & *Legionella* species by ISO 11731:2017 Culture Method (EMSL Test Code M341 & Method MICRO-SOP-105)

Client Sample ID/Sample Location Lab Sample Number	Sample Type	Swabs Submitted	Volume Resuspended (mL)	Method Processed	Identification	Limit of Detection (CFU/swab)	Final Results (CFU/swab)
EDMS92022-01S - across prep room 292208148-0001		1	5	Dilution	None Detected	50.00	ND
EDMS92022-02S - across room 201 292208148-0002		1	5	Dilution	None Detected	50.00	ND
EDMS92022-03S - cafeteria, water fountain 292208148-0003		1	5	Dilution	None Detected	50.00	ND
EDMS92022-04S - cafeteria, bottle filler 292208148-0004		1	5	Dilution	None Detected	50.00	ND
EDMS92022-05S - across the gym, by cafeteria 292208148-0005		1	5	Dilution	None Detected	50.00	ND
EDMS92022-06S - boy's locker room 292208148-0006		1	5	Dilution	None Detected	50.00	ND
EDMS92022-07S - ground floor room 8 292208148-0007		1	5	Dilution	None Detected	50.00	ND
EDMS92022-08S - ground floor room 15 292208148-0008		1	5	Dilution	None Detected	50.00	ND
EDMS92022-09S - ground floor room 8, bottle filler 292208148-0009		1	5	Dilution (Acid)	None Detected	500.00	ND
EDMS92022-10S - ground floor room 15, bottle filler 292208148-0010		1	5	Dilution (Acid)	None Detected	500.00	ND
EDMS92022-11S - blank 292208148-0011		1	5	Dilution	None Detected	50.00	ND

Billy Barnes, Laboratory Manager
or other Approved Signatory

Legionella identification is carried out using a direct fluorescent antibody (DFA) for *Legionella pneumophila* (serogroups 1-14) and a DFA for 15 other *Legionella* species. *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/swab count and is dependent on the resuspended volume and the dilutions used during testing. High bacterial counts (*Legionella* or otherwise) may require dilution of the sample that will raise the Limit of Detection.

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