



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: 292204760
Customer ID: APXC62
Customer PO: STA010-0526025-22006853 T2
Project ID:

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

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 06/08/2022 01:58 PM - 06/08/2022 02:15 PM
Received Date: 06/09/2022 09:45 AM
Processed Date: 06/09/2022 01:30 PM
Analyzed Date: 06/20/2022 10:41 AM

Project: A.G. Wright MS water/SCPS legionella sampling

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) |
|---|-------------|-----------------------|----------------------|------------------|----------------|----------------------|-----------------------------|------------------------|
| 060822AGWM 01W 292204760-0001 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| 060822AGWM 02W 292204760-0002 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| 060822AGWM 03W 292204760-0003 | 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*.

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Initial report from: 06/20/2022 05:04 PM

Printed 06/20/2022 05:05 PM

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Tel/Fax: (919) 465-3900 / (919) 465-3950
<http://www.EMSL.com> / raleighlab@emsl.com

EMSL Order: 292204759
Customer ID: APXC62
Customer PO: STA010-0526025-22006853 T2
Project ID:

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

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 06/08/2022 01:55 PM - 06/08/2022 02:12 PM
Received Date: 06/09/2022 09:45 AM
Processed Date: 06/09/2022 04:15 PM
Analyzed Date: 06/20/2022 10:50 AM

Project: A.G. Wright MS swabs /SCPS legionella sampling

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) |
|---|-------------|-----------------|-------------------------|------------------|----------------|-------------------------------|--------------------------|
| 060822AGWM 01S 292204759-0001 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| 060822AGWM 02S 292204759-0002 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| 060822AGWM 03S 292204759-0003 | 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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Printed 06/20/2022 05:08 PM

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EMSL Order: 292208325
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
Manassas, VA 20110

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 09/26/2022 05:10 PM - 09/26/2022 09:11 PM
Received Date: 09/28/2022 01:00 PM
Processed Date: 09/28/2022 01:30 PM
Analyzed Date: 10/07/2022 11:05 AM

Project: A. G. Wright 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) |
|---|-------------|-----------------------|----------------------|------------------|----------------|----------------------|-----------------------------|------------------------|
| AWMS92622-01W 292208325-0001 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-02W 292208325-0002 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-03W 292208325-0003 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-04W 292208325-0004 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-05W 292208325-0005 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-06W 292208325-0006 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-07W 292208325-0007 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-08W 292208325-0008 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-09W 292208325-0009 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-10W 292208325-0010 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-11W 292208325-0011 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-12W 292208325-0012 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-13W 292208325-0013 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-14W 292208325-0014 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-15W 292208325-0015 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-16W 292208325-0016 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-17W 292208325-0017 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-18W 292208325-0018 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-19W 292208325-0019 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-20W 292208325-0020 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-21W 292208325-0021 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-22W 292208325-0022 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-23W 292208325-0023 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-24W 292208325-0024 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |

Initial report from: 10/07/2022 04:52 PM



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EMSL Order: 292208325
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
Manassas, VA 20110

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 09/26/2022 05:10 PM - 09/26/2022 09:11 PM
Received Date: 09/28/2022 01:00 PM
Processed Date: 09/28/2022 01:30 PM
Analyzed Date: 10/07/2022 11:05 AM

Project: A. G. Wright Middle School/SCPS 75% Legionella (Stafford County Public School (SCPS))

| | | | | | | | | |
|---------------------------------|---------|-----|-----|--------------|---------------|---|------|----|
| AWMS92622-25W 292208325-0025 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-26W 292208325-0026 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-27W 292208325-0027 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-28W 292208325-0028 | Potable | 250 | 250 | Concentrated | None Detected | 5 | 0.20 | ND |
| AWMS92622-29W 292208325-0029 | Potable | 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: 292208326
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
Manassas, VA 20110

Phone: (703) 396-6730
Fax: (703) 396-6743
Collected Date: 09/26/2022 05:08 PM - 09/27/2022 09:06 PM
Received Date: 09/28/2022 01:00 PM
Processed Date: 09/28/2022 02:20 PM
Analyzed Date: 10/13/2022 06:30 PM

Project: A. G. Wright 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) |
|---|-------------|-----------------|-------------------------|------------------|----------------|-------------------------------|--------------------------|
| AWMS92622-01S 292208326-0001 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-02S 292208326-0002 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-03S 292208326-0003 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-04S 292208326-0004 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-05S 292208326-0005 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-06S 292208326-0006 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-07S 292208326-0007 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-08S 292208326-0008 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-09S 292208326-0009 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-10S 292208326-0010 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-11S 292208326-0011 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-12S 292208326-0012 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-13S 292208326-0013 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-14S 292208326-0014 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-15S 292208326-0015 | Potable | 1 | 5 | Dilution (Acid) | None Detected | 500.00 | ND |
| AWMS92622-16S 292208326-0016 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-17S 292208326-0017 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-18S 292208326-0018 | Potable | 1 | 5 | Dilution (Acid) | None Detected | 500.00 | ND |
| AWMS92622-19S 292208326-0019 | Potable | 1 | 5 | Dilution (Acid) | None Detected | 500.00 | ND |
| AWMS92622-20S 292208326-0020 | Potable | 1 | 5 | Dilution (Acid) | None Detected | 500.00 | ND |
| AWMS92622-21S 292208326-0021 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-22S 292208326-0022 | Potable | 1 | 5 | Dilution (Acid) | None Detected | 500.00 | ND |
| AWMS92622-23S 292208326-0023 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-24S 292208326-0024 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |

Initial report from: 10/17/2022 01:15 PM



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Received Date: 09/28/2022 01:00 PM
Processed Date: 09/28/2022 02:20 PM
Analyzed Date: 10/13/2022 06:30 PM

Project: A. G. Wright Middle School/SCPS 75% Legionella (Stafford County Public School (SCPS))

| | | | | | | | |
|---------------------------------|---------|---|---|-----------------|---------------|--------|----|
| AWMS92622-25S 292208326-0025 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-26S 292208326-0026 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-27S 292208326-0027 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-28S 292208326-0028 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-29S 292208326-0029 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-30S 292208326-0030 | Potable | 1 | 5 | Dilution | None Detected | 50.00 | ND |
| AWMS92622-31S 292208326-0031 | Potable | 1 | 5 | Dilution (Acid) | None Detected | 500.00 | ND |

Billy Barnes, Laboratory Manager
or other Approved Signatory

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