



EMSL Analytical, Inc.

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

EMSL Order: 292205021
Customer ID: APXC62
Customer PO: 2206853
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: 06/15/2022 10:58 AM - 06/15/2022 11:57 AM
Received Date: 06/16/2022 09:30 AM
Processed Date: 06/16/2022 02:30 PM
Analyzed Date: 06/29/2022 12:00 PM

Project: Brooke Point High School Water/SCPS 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)
061522BPH01W 292205021-0001	Potable	250	250	Concentrated	None Detected	5	0.20	ND
061522BPH02W 292205021-0002	Potable	250	250	Concentrated	None Detected	5	0.20	ND
061522BPH03W 292205021-0003	Potable	250	250	Concentrated	None Detected	5	0.20	ND
061522BPH04W 292205021-0004	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.

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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Initial report from: 06/29/2022 05:11 PM

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Tel/Fax: (919) 465-3900 / (919) 465-3950
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EMSL Order: 292205022
Customer ID: APXC62
Customer PO: 2206853
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
Fax: (703) 396-6743
Collected Date: 06/15/2022 10:56 AM - 06/15/2022 11:55 AM
Received Date: 06/16/2022 09:30 AM
Processed Date: 06/17/2022 11:05 AM
Analyzed Date: 06/29/2022 11:00 AM

Project: Brooke Point High School Swabs/SCPS 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)
061522BPH01S 292205022-0001	Potable	0	5	Dilution	None Detected	50.00	ND
061522BPH02S 292205022-0002	Potable	0	5	Dilution	None Detected	50.00	ND
061522BPH03S 292205022-0003	Potable	0	5	Dilution	None Detected	50.00	ND
061522BPH04S 292205022-0004	Potable	0	5	Dilution	None Detected	50.00	ND

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EMSL Order: 292208151
Customer ID: APXC62
Customer PO: STA0110-0526025
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: 09/20/2022 03:33 PM - 09/20/2022 05:56 PM
Received Date: 09/22/2022 09:00 AM
Processed Date: 09/23/2022 02:55 PM
Analyzed Date: 10/04/2022 04:00 PM

Project: Brooke Point HS Swab/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)
BP-92022-01S 292208151-0001	Potable	1	5	Dilution	None Detected	50.00	ND
BP-92022-02S 292208151-0002	Potable	1	5	Dilution (Acid)	None Detected	500.00	ND
BP-92022-03S 292208151-0003	Potable	1	5	Dilution	None Detected	50.00	ND
BP-92022-04S 292208151-0004	Potable	1	5	Dilution (Acid)	None Detected	500.00	ND
BP-92022-05S 292208151-0005	Potable	1	5	Dilution (Acid)	None Detected	500.00	ND
BP-92022-06S 292208151-0006	Potable	1	5	Dilution	None Detected	50.00	ND
BP-92022-07S 292208151-0007	Potable	1	5	Dilution	None Detected	50.00	ND
BP-92022-08S 292208151-0008	Potable	1	5	Dilution (Acid)	None Detected	500.00	ND
BP-92022-09S 292208151-0009	Potable	1	5	Dilution (Acid)	None Detected	500.00	ND
BP-92022-10S 292208151-0010	Potable	1	5	Dilution	None Detected	50.00	ND
BP-92022-11S 292208151-0011	Potable	1	5	Dilution	None Detected	50.00	ND
BP-92022-12S 292208151-0012	Potable	1	5	Dilution	None Detected	50.00	ND

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EMSL Order: 292208152
Customer ID: APXC62
Customer PO: STA0110-0526025
Project ID: Stafford County Public School

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Phone: (703) 396-6730
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Received Date: 09/22/2022 09:00 AM
Processed Date: 09/22/2022 02:00 PM
Analyzed Date: 10/03/2022 01:10 PM

Project: Brooke Point HS Water/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)
BP-92022-01W 292208152-0001	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-02W 292208152-0002	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-03W 292208152-0003	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-04W 292208152-0004	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-05W 292208152-0005	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-06W 292208152-0006	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-07W 292208152-0007	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-08W 292208152-0008	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-09W 292208152-0009	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-10W 292208152-0010	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-11W 292208152-0011	Potable	250	250	Concentrated	None Detected	5	0.20	ND
BP-92022-12W 292208152-0012	Potable	250	250	Concentrated	None Detected	5	0.20	ND

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