



CWM Environmental Cleveland, LLC.
4450 Johnston Parkway - Unit B
Cleveland, OH 44128
TEL: (216) 663-0808
FAX: (216) 663-0656
Website: www.cwmenvironmental.com

4/6/2023

Eric Mailki
Freeport Area School District
PO Box C
Freeport, PA 16229

RE: Legionella 3/28/23

Order No: 23C0379

Dear Eric Mailki,

CWM Environmental Cleveland, LLC. received sample(s) on 3/29/2023 for the analyses presented in the following report.

There were no problems with the analytical results associated with this report, unless otherwise noted in an attached Case Narrative. Quality Control data is within laboratory defined method(s) and specified acceptance limits, unless otherwise noted within the attached Case Narrative.

Solid Samples are reported in $\mu\text{g}/\text{Kg}$ or mg/Kg as received, unless specified in the units section of the report as dry weight, indicated as: $\mu\text{g}/\text{Kg-dry}$ or $\text{mg}/\text{Kg-dry}$.

If you have any questions regarding these test results, please feel free to call.

Certifications:

1. Varies with analyst - Lab 4041
2. NELAP - FLDOH Laboratory E871150
3. DMRQA Parameter

Disclaimer: If no cert appears in the Cert column, no certification should be assumed. Subcontracted analytes ran under the associated laboratory scope of accreditation.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Ron Gribik', is written over a horizontal line.

Ron Gribik, VP Operations Cleveland



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Analytical Report

WO#: 23C0379

Date Reported: 04/06/2023

Client: Freeport Area School District

Collection: 03/28/2023 09:00

Project: Legionella 3/28/23

Sample Number: 23C0379-01

Matrix: Drinking Water

Sample: Room 60

Cert	Analyte	Result	MDL	PQL	Units	DF	Qualifier	Method	Date Analyzed
Microbiology					Prep: IDEXX Legiolert		Analyst: RET		
2	Legionella pneumophila Group	<0.100	0.100	0.100	MPN/mL	1	IDEXX Legiolert	03/30/2023 14:00	



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Analytical Report

WO#: 23C0379
 Date Reported: 04/06/2023

Client: Freeport Area School District

Collection: 03/28/2023 09:05

Project: Legionella 3/28/23

Sample Number: 23C0379-02

Matrix: Drinking Water

Sample: Chemistry Storage

Cert	Analyte	Result	MDL	PQL	Units	DF	Qualifier	Method	Date Analyzed
Microbiology					Prep: IDEXX Legiolert		Analyst: RET		
2	Legionella pneumophila Group	<0.100	0.100	0.100	MPN/mL	1	IDEXX Legiolert	03/30/2023 14:00	



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Analytical Report

WO#: 23C0379

Date Reported: 04/06/2023

Client: Freeport Area School District

Collection: 03/28/2023 09:10

Project: Legionella 3/28/23

Sample Number: 23C0379-03

Matrix: Drinking Water

Sample: Room 59

Cert	Analyte	Result	MDL	PQL	Units	DF	Qualifier	Method	Date Analyzed
Microbiology					Prep: IDEXX Legiolert		Analyst: RET		
2	Legionella pneumophila Group	<0.100	0.100	0.100	MPN/mL	1		IDEXX Legiolert	03/30/2023 14:00



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Analytical Report

WO#: 23C0379
 Date Reported: 04/06/2023

Client: Freeport Area School District

Collection: 03/28/2023 09:15

Project: Legionella 3/28/23

Sample Number: 23C0379-04

Matrix: Drinking Water

Sample: Room 57

Cert	Analyte	Result	MDL	PQL	Units	DF	Qualifier	Method	Date Analyzed
Microbiology					Prep: IDEXX Legiolert		Analyst: RET		
2	Legionella pneumophila Group	<0.100	0.100	0.100	MPN/mL	1	IDEXX Legiolert	03/30/2023	14:00



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Analytical Report

WO#: 23C0379
Date Reported: 04/06/2023

DEFINITIONS:

DF: Dilution factor; the dilution factor applied to the prepared sample.

DUP: Duplicate; aliquots of a sample taken from the same container under laboratory conditions and processed and analyzed independently, used to calculate Precision (%RPD).

LCS: Laboratory Control Sample; prepared by adding a known amount of target analytes to a specified amount of clean matrix and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCS D: A duplicate LCS sample, used to calculate both Accuracy (%REC) and Precision (%RPD).

MB: Method Blank; a sample of similar matrix that does not contain target analytes or interference that may impact the analytical results and is processed simultaneously with, and under the same conditions, as samples through all steps of the analytical procedure, used to assess and verify that the analytical process is free of contamination.

MDL: Method Detection Limit; The lowest concentration of an analyte that can be detected by the method in the applicable matrix.

MS: Matrix Spike; prepared by adding a known amount of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC).

MS D: A duplicate MS sample, used to calculate both Accuracy (%REC) and Precision (%RPD).

%REC: Percent Recovery of a known spike (SPK); a measure of accuracy expressed as a percentage of a measured (recovered) concentration compared to the known concentration (SPK) added to the sample. This is compared to the Low acceptable and High Limits.

%RPD: Relative Percent Difference; a measure of precision expressed as a percentage of the difference between two duplicates relative to the average concentration. This is compared to the RPD Limit.

PL: Permit limit; Not included on all reports. Used primarily for NPDES wastewater and POTW discharge permits.

PQL: Practical Quantitation Limit; The lowest verified limit to which data is quantified without qualifications. Analyte concentrations below PQL are reported either as ND or as a number with a "J" qualifier. Also known as the Reporting Limit (RL).

Qual: Qualifier that applies to the analyte reported.

SPK: Spike; used in the QC section for both SPK Value and SPK Ref Val.

ND: Not detected at the Reporting Limit.



Client Name: Freeport Area School District		Contact Name: Eric Mailki		PWSID#	NPDES#
Address:		Phone:		Reportable Sample: <input type="checkbox"/>	RUSH Sample: <input type="checkbox"/>
		Cell:		Check Sample: <input type="checkbox"/>	
		See Codes Below			

CWM Lab #	Sample Site	Collection Point	DATE Sampled	GRAB Time Sampled	COMPOSITE Start / End	LAB Temps	Test/Analysis Requested	Field Data/Comments	Preservative	Matrix	Sample Type	Bottle Type	# of Bottles
1	Freeport High School	Room 60	3-28-23	0900	/	4.9°	Legiolevt						4
2		Chemistry Storage		0905	/	4.7°							
3		Room 59		0910	/	4.8°							
4		Room 57		0915	/	4.7°	↓						
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Sampled by: <i>[Signature]</i>	Date: 3-28-23	Time: 0915	Preservative Key: ST = Sodium Thiosulfate A = Ascorbic Acid H = HNO3 C = HCL S = H2SO4 OH = NaOH O = Other NA = None
Relinquished by: <i>[Signature]</i>			Matrix Key: DW - Drinking Water Rec - Pool/Recreation Water NPW - Non Potable Water R - Raw S - Soil, Solid, Sludge F - Fuel
Received by:			Sample Type: C = Composite G = Grab M = Micropurge Bottles: P = plastic G = glass O = other
Relinquished by:			Sample Comments:
Received in Lab by: <i>[Signature]</i>	3-28-23	1400	Sample Conditions: Y N CDC w/ samples Y N Meets Hold Times Y N Containers Intact Y N Correct bottles for tests Y N Correct # of bottles listed



Sample Receipt Checklist

Work Order No. 23C0379

RUSH: Yes No NA

Date & Time Received: 3-29-23 11:00 Checklist By: SFB
Date & Time Logged In: 3-30-23 14:15 Logged In By: SFB
Date & Time Reviewed: 3-31-23 9:10 Reviewed By: SFB

Carrier Name: CWM UPS FedEx Client Other/Tracking # _____

Samples Analyzed In House? Yes No Subbed To _____

Is Chain Of Custody Present? Yes No

Is Chain Of Custody Properly Filled Out? Yes No

Does Chain Of Custody Match Sample Labels? Yes No

Are Samples Past Hold Time? Yes No NA

Are Samples In Proper Containers? Yes No Intact? Yes No

No. Of Containers? 4 Glass Plastic Baggie VOA Micro Tedlar Other _____

When Applicable, Is Headspace Present? Yes No MSDS Provided Yes No

Matrix: Aqueous Liquid Sludge Solid Oil Drinking Water Soil Gas Other _____

On Ice? 4.2 °C Yes No NA

Are Samples Preserved? Yes No NA

Chlorine detected? (for EPA 608/625 only): Yes No

Final pH Results:

Metals _____ Hardness _____ <input type="checkbox"/> HN03	CN _____ <input type="checkbox"/> NaOH
COD _____ NH3 _____ Phenol _____ TOC _____ TKN/TON _____ Phos _____ No2No3 _____ Total Nitrogen _____ <input type="checkbox"/> H2SO4	
Sulfide _____ <input type="checkbox"/> NaOH & ZnAcetate	Other _____

Field Data: pH Temp Flow TRC TRC Low Color Odor Turbidity Other _____

Explanation of Comments & Problems:

IR #1
IR #2
Legionella Containers 10+ #

Based on client knowledge and in coordination with Listed Waste (Lists: F, K, P and U per CFR 40) sample determination:
 to be
 not to be
from Listed Source