



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Vito Truglio.  
CSL Water Quality Warren  
156 Mt. Bethel Road  
Warren, New Jersey 07059

Generated 5/1/2024 10:37:55 AM

## JOB DESCRIPTION

Spectrum 360, Upper School - Lead/Copper

## JOB NUMBER

630-84335-1

# Eurofins Environment Testing Philadelphia, LLC

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Philadelphia, LLC Project Manager.

## Authorization



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Authorized for release by  
Erin Dougherty, Project Administrator  
[Erin.Dougherty@et.eurofinsus.com](mailto:Erin.Dougherty@et.eurofinsus.com)  
(215)355-3900

## Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments. QC data that exceed the upper limits and are associated with non-detect samples are qualified but no further narration is needed since the bias is high and does not change a non-detect result. Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Coliform MCLs

· Based on the EPA primary drinking water standard MCL for total coliforms, a water supply is considered bacteriologically "SAFE" if no coliform bacteria are detected. To be considered "SAFE" your report should indicate "<1 cfu/100mL" or "NEG" for the coliform test. If you report indicates a positive result "POS" or a value greater than or equal to one, then your supply is "UNSAFE FOR DRINKING" contact your local health department.

### Warranties, Terms, and Conditions

· Analyses for Field Parameters are performed by Eurofins Philadelphia field staff. Locations and certifications are identified on the Chain of Custody as follows:

ERF = field staff performs tests under NJ State certification # 02015.

VL = field staff performs tests under NJ State certification # 06005.

WG = field staff performs tests under NJ State certification # PA001, PA State certification # 48-01334.

H = field staff performs tests under NJ NELAP certification # PA093, PA NELAP certification # 46-05499.

· Test results meet all TNI or other applicable regulatory agency requirements, including holding times and preservation, unless otherwise indicated.

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· All samples are collected as "grab" samples unless otherwise identified.

· Reported results related only to the samples as tested. Eurofins Philadelphia is not responsible for sample integrity unless sampling has been performed by a member of our staff.

· Eurofins Philadelphia is not responsible for sampling and/or testing omissions. Note that regulatory authorities may assess substantial fines for testing omissions. Please track your sample collection schedules and results on a regular basis (e.g. weekly, monthly, or quarterly) to ensure compliance.

· Eurofins' online data portal "TotalAccess" will provide you with real-time access to collection dates and testing results. Please contact Client Services for further information.

· The following personnel or their deputies have approved the results of the tests performed by Eurofins Philadelphia : Nicki Smith (Environmental Chemistry) and Jacqueline Gartner (Water Microbiology).



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# Case Narrative

Client: CSL Water Quality Warren  
Project: Spectrum 360, Upper School - Lead/Copper

Job ID: 630-84335-1

**Job ID: 630-84335-1**

**Eurofins Environment Testing Philadelphia,**

## **Job Narrative 630-84335-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 4/17/2024 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

### **Metals**

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

# Sample Summary

Client: CSL Water Quality Warren  
Project/Site: Spectrum 360, Upper School - Lead/Copper

Job ID: 630-84335-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
630-84335-1	UPPER KITCHEN	Drinking Water	04/16/24 09:35	04/17/24 15:00
630-84335-2	UPPER CAFE FOUNTAIN	Drinking Water	04/16/24 09:40	04/17/24 15:00
630-84335-3	UPPER GYM FOUNTAIN	Drinking Water	04/16/24 09:45	04/17/24 15:00



# Client Sample Results

Client: CSL Water Quality Warren  
 Project/Site: Spectrum 360, Upper School - Lead/Copper

Job ID: 630-84335-1

## Client Sample ID: UPPER KITCHEN

Lab Sample ID: 630-84335-1

Date Collected: 04/16/24 09:35

Matrix: Drinking Water

Date Received: 04/17/24 15:00

### Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.13		0.010	0.0023	mg/L		04/30/24 14:51	1	S4PD
Lead	0.0061		0.0010	0.00069	mg/L		04/30/24 14:51	1	S4PD

## Client Sample ID: UPPER CAFE FOUNTAIN

Lab Sample ID: 630-84335-2

Date Collected: 04/16/24 09:40

Matrix: Drinking Water

Date Received: 04/17/24 15:00

### Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.018		0.010	0.0023	mg/L		04/30/24 14:49	1	S4PD
Lead	ND		0.0010	0.00069	mg/L		04/30/24 14:49	1	S4PD

## Client Sample ID: UPPER GYM FOUNTAIN

Lab Sample ID: 630-84335-3

Date Collected: 04/16/24 09:45

Matrix: Drinking Water

Date Received: 04/17/24 15:00

### Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Analyzed	Dil Fac	Analyst
Copper	0.035		0.010	0.0023	mg/L		04/30/24 14:58	1	S4PD
Lead	ND		0.0010	0.00069	mg/L		04/30/24 14:58	1	S4PD

# Accreditation/Certification and Definitions Summary

Client: CSL Water Quality Warren  
 Project/Site: Spectrum 360, Upper School - Lead/Copper

Job ID: 630-84335-1

## Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	PA011	06-30-24

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
1C	Result is from the primary column on a dual-column method.
2C	Result is from the confirmation column on a dual-column method.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
MRL	Method Reporting Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
SDL	Sample Detection Limit
SDL	Sample Detection Limit
SDL	Sample Detection Limit
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Method Summary

Client: CSL Water Quality Warren  
Project/Site: Spectrum 360, Upper School - Lead/Copper

Job ID: 630-84335-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

**Protocol References:**

EPA = US Environmental Protection Agency

**Laboratory References:**

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300





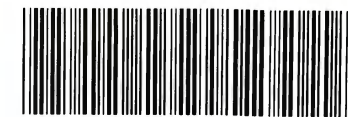


Environment Testing  
America

### CHAIN OF CUSTODY

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Loc: 630  
**84335**



630-84335 Chain of Custody

213 Witmer Road Phone: 215-355-3900  
Horsham, PA 19044

Client/Acct. No. AS0076  
Address CSL WATER

City/State/Zip WARRAN  
NT  
Phone/Fax 07059

Client Contact:

Bill to/Report to (if different)

Sampling Site Address (if different) Include State

SPECTRUM - UPPER  
LIVINGSTON

P.O. No. PWSID #:

Quote #

e-mail:

# ___ Ascorbic/HCL Vials	# ___ HCL Vials	GW: GROUND WATER
# ___ Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>		WW: WASTEWATER
# ___ Na OH/Zn acetate pH		SO: SOIL
# ___ HNO <sub>3</sub> pH		SL: SLUDGE
# ___ H <sub>2</sub> SO <sub>4</sub> pH		OIL: OIL
# ___ NaOH pH		SOL: NON SOIL SOLID
# ___ Unpreserved		MI: MISCELLANEOUS
# ___ HCl	# ___ NH <sub>4</sub> Cl	# ___ MeOH
# ___ DI Water		X: OTHER

LAB USE ONLY	PROJECT	Collection		G R A B	C O M P	Matrix Code	Number of Containers															
		Date	Military Time				Total	H	2	H	V	H	N	Z	U	B						
								4	S	C	I	O	A	N	P	A	C	T				
	FIELD ID																					
	UPPER KITCHEN	04/16/24	0935			DW	1									1						
	UPPER CAFE FOUNTAIN	04/16/24	0940			DW	1									1						
	UPPER GYM FOUNTAIN	04/16/24	0945			DW	1									1						

ANALYSIS REQUESTED

Field pH, Temp (°C), DO, Cl<sub>2</sub>, Cond. etc.

SAMPLED BY: (Name/Company) Vito Luciani CSL TAT:  STANDARD (10 DAY) or DUE DATE / / Report Format:  Standard  NJ-RDD  SRP-RDD  Standard + QC  Forms  EDD Field Parameters Analyzed By: Initials                      Date/Time:                     

Please call for pricing and availability for rush (<10 day) turnaround and for all but standard reporting format.

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW. USE FULL LEGAL SIGNATURE, DATE AND MILITARY TIME (24 HOUR CLOCK, I.E. 8AM IS 0800, 4 PM IS 1600)

RELINQUISHED BY SAMPLER	DATE	TIME	RECEIVED BY	DATE	TIME	DELIVERY: <input checked="" type="checkbox"/> EQC COURIER <input type="checkbox"/> CLIENT <input type="checkbox"/> UPS <input type="checkbox"/> FEDEX <input type="checkbox"/> OTHER	Custody Seal Number
1. <u>Vito Luciani</u>	04/17/24	1153	<u>Karen St...</u>	4/17/24	1153		4/17/24
2. <u>Karen St...</u>	4/17/24	1500	2. <u>CLR Giel</u>	4/17/24	1500		
3.	DATE	TIME	RECEIVED BY	DATE	TIME		
4.	DATE	TIME	RECEIVED BY	DATE	TIME		
5.	DATE	TIME	RECEIVED BY	DATE	TIME		

Rec'd Temp.: 3.200 Initials: BS2 Ice Y/N (X) Location: ert

COMMENTS:

**Eurofins Environment Testing Philadelphia,**

213 Witmer Road  
 Horsham, PA 19044-0962  
 Phone: 215-355-3900

**Chain of Custody Record**



<b>Client Information (Sub Contract Lab)</b>		Sampler:		Lab PM: Dougherty, Erin		Carrier Tracking No(s):		COC No: 630-13892.1			
Client Contact: Shipping/Receiving		Phone:		E-Mail: Erin.Dougherty@et.eurofinsus.com		State of Origin: New Jersey		Page: Page 1 of 1			
Company: Eurofins Lancaster Laboratories Environm				Accreditations Required (See note): NELAP - New Jersey				Job #: 630-84335-1			
Address: 2425 New Holland Pike,		Due Date Requested: 5/1/2024		<b>Analysis Requested</b>						Preservation Codes: -	
City: Lancaster		TAT Requested (days):									
State, Zip: PA, 17601		PO #:									
Phone: 717-656-2300(Tel)		WO #:									
Email:											
Project Name: Spectrum 360, Upper School - Lead/Copper		Project #: 63002498		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers			
Site:		SSOW#:		200.B_SDWAI/MTL_ND_Prep Cu & Pb only				Other:			
<b>Sample Identification - Client ID (Lab ID)</b>		<b>Sample Date</b>	<b>Sample Time</b>	<b>Sample Type (C=comp, G=grab)</b>	<b>Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<b>Special Instructions/Note:</b>	
UPPER KITCHEN (630-84335-1)		4/16/24	09:35 Eastern	Drinking Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			1	
UPPER CAFE FOUNTAIN (630-84335-2)		4/16/24	09:40 Eastern	Drinking Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			1	
UPPER GYM FOUNTAIN (630-84335-3)		4/16/24	09:45 Eastern	Drinking Water		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			1	
<p>Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Philadelphia, LLC places the ownership of method, analyte &amp; accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Philadelphia, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Philadelphia, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Philadelphia, LLC.</p>											
<b>Possible Hazard Identification</b>						<b>Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)</b>					
Unconfirmed						<input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months					
Deliverable Requested: I, II, III, IV, Other (specify)				Primary Deliverable Rank: 1		Special Instructions/QC Requirements:					
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:				
Relinquished by: <i>Ross St...</i>			Date/Time: 4/17/24		Company: <i>ESTP</i>		Received by: <i>[Signature]</i>		Date/Time: _____ Company: _____		
Relinquished by: <i>[Signature]</i>			Date/Time: _____		Company: _____		Received by: _____		Date/Time: _____ Company: _____		
Relinquished by: <i>[Signature]</i>			Date/Time: _____		Company: _____		Received by: <i>[Signature]</i>		Date/Time: 4/18/24 0905 Company: <i>ESTP</i>		
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks: 3.26 C: 1.8					

*HYA*

