



BRILLIANT

ENVIRONMENTAL SERVICES, LLC

Full Service Environmental Consulting and Contracting

September 7, 2023

Charlie Maldonado
Union City Early Childhood Learning Center
510 35th Street
jcmaldonado@hotmail.com (Transmitted Via Email)

Re: Drinking Water Sampling Results– Lead and Copper
510 35th Street
Union City, Hudson County, New Jersey
Brilliant Project Number: 4473B.19

Dear Mr. Maldonado:

Brilliant Environmental Services, LLC (*Brilliant*) was on Site on September 7, 2023 to collect drinking water samples from your facility or analysis of Lead and Copper. The purpose of the sampling was to fulfill the New Jersey Department of Children and Families Office of Licensing (NJDCF) requirements as per N.J.A.C 3A:52-5.3(i) of the NJ Manual of Requirements for Child Care Centers.

According to the manual, *“If the facility is supplied by a public community water system, the applicant or facility operator shall provide documentation of water testing conducted by a laboratory certified by the Department of Environmental Protection for water testing for lead and copper from all faucets and other sources used for drinking water or food preparation and at least 50 percent of all indoor water faucets utilized by the center.*

Twenty two (22) drinking water sample was collected and submitted to Precision Analytical Services, Inc. (PAS) of Toms River (NJDEP Certification # 15005) for analysis of Lead and Copper. Neither lead nor copper were detected above the DWQS. The laboratory data package is enclosed.

Please contact me with any questions or comments.

Sincerely,
BRILLIANT ENVIRONMENTAL SERVICES, LLC

Brian Babcock
Director of LSRP/Industrial Services

BB/km

DRINKING WATER TESTING CHECKLIST

Note: This form is for child care centers that are supplied water by a community water system.

•PROGRAMS IN OPERATING PUBLIC SCHOOLS ARE NOT REQUIRED TO COMPLETE THIS FORM•

CHILD CARE CENTER INFORMATION

Name of Child Care Center:		License ID:	
Site Address of Center:	Building # and Street:	Municipality:	County:
Sponsor/Sponsor Representative:		Phone Number:	Email:

CERTIFICATION OF COMPLIANCE WITH LEAD & COPPER SAMPLING AT THE ABOVE CHILD CARE CENTER

Sampling Date(s):	
1. <input type="checkbox"/> YES <input type="checkbox"/> NO	Does the center have a signed contract with a New Jersey Certified Drinking Water Laboratory for lead & copper analysis?
2. <input type="checkbox"/> YES <input type="checkbox"/> NO	Is there an onsite water outlet assessment in accordance with technical guidance?
3. <input type="checkbox"/> YES <input type="checkbox"/> NO	Is there a floor plan in accordance with technical guidance?
4. <input type="checkbox"/> YES <input type="checkbox"/> NO Sample Date:	Were all the drinking water outlets in the center where a child or staff has or may have access (including food preparation and outside drinking water outlets) sampled?
5. <input type="checkbox"/> YES <input type="checkbox"/> NO Sample Date:	Were at least 50% of all indoor water faucets utilized by the center sampled?
6. <input type="checkbox"/> YES <input type="checkbox"/> NO	Does the child care center have the chain of custody and analytical reports for all drinking water outlets sampled? Please attach copies.
7. <input type="checkbox"/> YES <input type="checkbox"/> NO	Was all the drinking water outlets sampled in the sequence determined by the floor plan beginning with the outlet closest to the point of entry?
8. <input type="checkbox"/> YES <input type="checkbox"/> NO	Were all samples taken after the water sat undisturbed in pipes for at least 8 hours but no more than 48 hours?
9. <input type="checkbox"/> YES <input type="checkbox"/> NO	Were samples collected in pre-cleaned high density polyethylene (HDPE) 250 ml wide mouth single use rigid sample containers?
10. <input type="checkbox"/> YES <input type="checkbox"/> NO	Were all existing aerators, screens, and filters left in place prior to and during the sampling event?
11. <input type="checkbox"/> YES <input type="checkbox"/> NO	Were only cold water samples collected?
12. <input type="checkbox"/> YES <input type="checkbox"/> NO	Did no pre-stagnant flushing take place unless the outlet deviated from normal use and documented on flushing log?
13. <input type="checkbox"/> YES <input type="checkbox"/> NO	Was all point of use treatment on outlets, such as filters, documented?
14. <input type="checkbox"/> YES <input type="checkbox"/> NO	Did any result exceed the action level for lead (15 µg/L) or copper (1300 µg/L)?
15. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	If a result exceeded the action level for lead (15 µg/L) or copper (1300 µg/L) was use of all drinking water outlets immediately discontinued?
16. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	If a result exceeded the action level for lead (15 µg/L) or copper (1300 µg/L) was bottled water provided for drinking and food preparation?
17. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	If a result exceeded the action level for lead (15 µg/L) or copper (1300 µg/L) were signs posted to indicate that the outlets are not to be used for drinking or food preparation?

18. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Did all drinking water outlets with a result that exceeded the action level for lead (15 µg/L) or copper (1300 µg/L) have a follow-up flush sample conducted?
19. <input type="checkbox"/> YES <input type="checkbox"/> NO	If a result exceeded the action level for lead (15 µg/L) or copper (1300 µg/L) was the local health office notified of results?
20. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	If any of the results exceeded the action level for lead (15 µg/L) or copper (1300 µg/L), was notification, including results and remediation measures, provided to the parent(s) of all children attending the center, the staff, and NJDCF?
21. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Were any drinking water outlets or potable plumbing replaced or repaired as a remedy for an action level exceedance?
22. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A Sample Date:	If any drinking water outlet or potable plumbing was replaced or repaired, were additional samples collected after installation?
23. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Was any chemical treatment unit or process installed to remedy an action level exceedance (e.g., corrosion control treatment)?
24. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A Sample Date:	If a chemical treatment unit or process was installed to remedy an action level exceedance (e.g., corrosion control treatment), were additional samples collected after the installation?
25. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	Was a mechanical process implemented to remedy an action level exceedance (e.g., flushing program)?
26. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	If a mechanical process was implemented to remedy an action level exceedance (e.g., flushing program), were additional samples collected after the implementation?
27. <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	If no remedial action was taken, such as those indicated in 21 through 26 above, has the center implemented a written plan of action for use of bottled water for drinking and food preparation?

CERTIFICATION: By signing below, the Sponsor or Sponsor Representative certifies that all answers on this checklist are true and accurate:

Sponsor/Sponsor Representative: (PRINT)	
Signature:	
Signature Date:	

DRINKING WATER TESTING RESOURCES

Schools - Lead Sampling Information

<http://www.nj.gov/dep/watersupply/schools.htm>

Lead Sampling in Schools Technical Guidance FAQs

<http://www.nj.gov/dep/watersupply/pdf/leadfaq.pdf>

3Ts for Reducing Lead in Drinking Water: Testing

<https://www.epa.gov/dwreginfo/3ts-reducing-lead-drinking-water-testing>

Quick Reference Guide Sampling For Lead in Drinking Water in Schools:

<http://www.nj.gov/dep/watersupply/pdf/quickref.pdf>

List of NJ Certified Laboratories:

<https://www13.state.nj.us/DataMiner/Search/SearchByCategory?isExternal=y&getCategory=y&catName=Certified+Laboratories>

Drinking Water Outlet Inventory Form:

http://www.nj.gov/dep/watersupply/doc/SP_Attachment%20C.docx

Sampling Water Use Certification:

http://www.nj.gov/dep/watersupply/doc/SP_Attachment%20F.docx

Filter Inventory Form:

http://www.nj.gov/dep/watersupply/doc/SP_Attachment%20D.docx

Results Letter Template:

<http://www.nj.gov/dep/watersupply/doc/resultsletter.doc>

Drinking Water Summary Results Table

Union City Early Childhood Learning Center

510 37th Street

Union City, Hudson County, New Jersey

Sample ID	Date	Copper	Lead
Federal and State Primary and Secondary Drinking Water Standards		1,300 [AL]**	15 [AL]**
1	9/7/2023	ND (22.6)	ND (0.900)
2	9/7/2023	ND (22.6)	ND (0.900)
3	9/7/2023	ND (22.6)	ND (0.900)
4	9/7/2023	ND (22.6)	ND (0.900)
5	9/7/2023	ND (22.6)	ND (0.900)
6	9/7/2023	ND (22.6)	ND (0.900)
7	9/7/2023	ND (22.6)	ND (0.900)
8	9/7/2023	ND (22.6)	ND (0.900)
9	9/7/2023	ND (22.6)	ND (0.900)
10	9/7/2023	ND (22.6)	ND (0.900)
11	9/7/2023	27.6 J	ND (0.900)
12	9/7/2023	ND (22.6)	ND (0.900)
13	9/7/2023	364	7.66
14	9/7/2023	ND (22.6)	ND (0.900)
15	9/7/2023	71.9	ND (0.900)
16	9/7/2023	ND (22.6)	ND (0.900)
17	9/7/2023	89.7	ND (0.900)
18	9/7/2023	36.5 J	ND (0.900)
19	9/7/2023	54.2	ND (0.900)
20	9/7/2023	ND (22.6)	ND (0.900)
21	9/7/2023	27.6 J	ND (0.900)
22	9/7/2023	27.6 J	ND (0.900)

Notes:

All Data reported in ug/L

** [AL] action level is not an MCL. It is a trigger point at which remedial action is to take place.

ND (MLD) - Not detected above the laboratory method detection limit, provided in parenthesis.



CERTIFICATE OF ANALYSIS

Customer : Brilliant Environmental
534 Whitesville Road
Jackson Twp, NJ 08527

Project ID : Union City Learning Center (4473B.19), 510 35th Street, Union City
PAS Project ID : P23-10700

Matrix : Drinking Water
Report Date : 9/13/2023

Table with 12 columns: PAS Sample ID, Client ID, Analysis, Results, Units, DF, PQL, MDL, MCL, Method, Date Sampled, Date Analyzed. Contains 48 rows of data for samples P23-10700-01 through P23-10700-22.

Except for the parameters tested, PAS makes no representation as to the fitness or quality of the water sample taken.

PQL = Practical Quantitation Limit
MDL = Minimum Detection Limit
MCL = Maximum Contaminant Level
DF = Dilution Factor
ND = Analyzed for but not detected
J = Estimated result
* Federal Action Level

All samples are analyzed in accordance with
New Jersey Department of Environmental
Protection Protocol

Handwritten signature of Mark D. Feitelson

Mark D. Feitelson, Lab. Director



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PRECISION ANALYTICAL SERVICES, INC.

2161 WHITEVILLE ROAD TOMS RIVER, NJ 08755 PHONE 732-814-1515 FAX 732-814-1616

CHAIN OF CUSTODY

Customer: Brilliant Environmental Services, LLC
 Address: 534 Whitesville Road
 Jackson, NJ 08527
 Phone: 732-818-3380

School Name: Union City Learning Center (4473B.19)
 School Address: 510 35th Street, Union City
 Sampled By: ZML Smit
 Print Name: Zach Smith
 RESULTS TO: babcock@brilliantenvironmental.com

Sample ID	Location	Date: Time Sampled	Matrix Code	Grab or Comp	Flush Sample	Filter Present	# Containers	Glass or Plastic	Analysis	LAB ID
1		9/7/23 0551	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-01
2		0553	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-02
3		0554	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-03
4		0557	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-04
5		0558	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-05
6		0559	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-06
7		0600	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-07
8		0602	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-08
9		0603	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-09
10		0604	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-10
11		0605	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-11
12		0609	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-12
13		0610	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-13
14		0614	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-14
15		0615	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-15

SAMPLES RECEIVED PRESERVED W/ HNO₃

PDF Std. PDF Reduc. PDF Full EDD Date/Time Preserved with:

Page 1 of 2 Deliverables: X

MATRIX CODES: GW = Ground Water, WW = Waste Water, SW = Surface Water, DW = Drinking Water, S = Soil, L = Liquid, SD = Sludge, B = Blank, K = Solid (specify):

PRESERVATIVE CODES: 0 = Ice 1 = HCl 2 = H2SO4 3 = NaOH 4 = HNO3 5 = Other

	Print Name:	Signature:	Company:	Date + Time
Relinquished:	Zach Smith	ZML Smit	RES	9/7/23 12:55
Received:	Jedediah Bennett	Jedediah Bennett	PA	9/7/23
Relinquished:				
Received:				
Relinquished:				
Received:				



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PRECISION ANALYTICAL SERVICES, INC.

2161 WHITESVILLE ROAD TOMBS RIVER, NJ 08755 PHONE 732-814-1515 FAX 732-814-1818

CHAIN OF CUSTODY

Customer: Brilliant Environmental Services, LLC
 Address: 534 Whitesville Road
 Jackson, NJ 08527
 Phone: 732-818-3380

School Name: Union City Learning Center (44738.19)
 School Address: 510 35th St, Union City, NJ
 Sampled By: *Zach Smith*
 Print Name: Zach Smith
 RESULTS TO: babcock@brilliantenvironmental.com

Sample ID Location	Date: Time Sampled	Matrix Code	Grab or Comp	Flush Sample	Filter Present	# Containers	Glass or Plastic	Analysis	LAB ID
16	9/7/23 0617	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-16
17	0618	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-17
18	0621	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-18
19	0622	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-19
20	0625	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-20
21	0626	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-21
22	0630	DW	Grab			1	250 ml Plastic	Pb/Cu	P23-10700-22
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	
		DW	Grab			1	250 ml Plastic	Pb/Cu	

SAMPLES RECEIVED PRESERVED W/ HNO₃

PDF Std.	PDF Reduc	PDF Full	EDD	Date/Time Preserved with others:
X				

Page 2 of 2 Deliverables:

MATRIX CODES: GW = Ground Water, WW = Waste Water, SW = Surface Water, DW = Drinking Water, S = Soil, L = Liquid, SD = Sludge, B = Blank, K = Solid (specify):

PREPARED VATIVE CODES: 0 = Ice 1 = HCl 2 = H2SO4 3 = NaOH 4 = HNO3 5 = Other

	Print Name:	Signature:	Company:	Date + Time
Relinquished:	<i>Zach Smith</i>	<i>Zach Smith</i>	BES	9/7/23 1255
Received:	<i>Jedediah</i>	<i>Jedediah</i>	PAS	
Relinquished:				
Received:				
Relinquished:				
Received:				