

10/20/2020

Joseph Kapp WSP USA Solutions Inc 96 Morton Street 8th floor New York, NY 10014

Phone: (212) 612-7900 Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 10/13/2020. The results are tabulated on the attached data pages for the following client designated project:

# 31402629.002.02; Briarcliff Manor School District (Briarcliff Manor Middle School)

The reference number for these samples is EMSL Order #012011334. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

EMSL 2	EMSL Analytical, Inc. 00 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) ttp://www.EMSL.com	NJ 08077			EMSL Order: CustomerID: CustomerPO: ProjectID:	012011334 LBAP78 20PO010630
Attn: Joseph Kap WSP USA S 96 Morton S 8th floor New York, N	olutions Inc Street	F	Phone: Fax: Received:	(212) 612-7900 10/13/2020 12:0		
Project: <b>31402629.002</b>	2.02; Briarcliff Manor School D	istrict (Briarcliff Manor M	/iddle School)			
		Analytical F	Results			
Client Sample Descript	ion 01-Coachs Off-BF-P-01 1st- Coach's office- Bathre	oom-BF- 1	Collected:	10/10/2020 8:22:00 AM	Lab ID:	012011334-0001
Vethod	Parameter	Result	RL UI	nits	Prep Date & Analyst	Analysis Date & Analyst

ND

1.00 µg/L

Client Sample Description	01-PE office-BF-P-02 1st- PE office- Bathroom-BF- 2		Collected:	10/10/2020 8:23:00 AM	Lab	ID:	012011334-00	002
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8 L	Lead	ND	1.00 µg/L	-	10/14/2020	KB	10/14/2020 20:56	KB
Client Sample Description	01-Home Ec-CF-P-01 1st- Home Economics- Classroom s (middle island front)-CF- 1	sink	Collected:	10/10/2020 8:24:00 AM	Lab	ID:	012011334-00	003
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8 I	Lead	3.04	1.00 μg/L	-	10/14/2020	KB	10/14/2020 20:58	KB
Client Sample Description	01-Home Ec-CF-P-02 1st- Home Economics- Classroom s (middle island front hose)-CF- 2	sink	Collected:	10/10/2020 8:25:00 AM	Lab	ID:	012011334-00	004
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8 I	Lead	ND	1.00 μg/L	-	10/14/2020	KB	10/14/2020 20:59	KB
Client Sample Description	01-Home Ec-CF-P-03 1st- Home Economics- Classroom s (middle island back)-CF- 3	sink	Collected:	10/10/2020 8:25:00 AM	Lab	ID:	012011334-00	005
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8 I	Lead	2.39	1.00 µg/L	-	10/14/2020	KB	10/14/2020 21:05	KB

METALS

Lead

200.8

10/14/2020 20:53

KB

10/14/2020

KB

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V 9 8	Joseph Kapp WSP USA Sol 06 Morton Str 06 Morton Str 31402629.002.0	lutions Inc reet	istrict (Briarcliff Manor	Fax: Received:	(212) 612-7900				
			Analytical	Results					
Client S	ample Description	<ul> <li>01-Home Ec-CF-P-04</li> <li>1st- Home Economics- Cl (middle island back hose)</li> </ul>		Collected:	10/10/2020 8:25:00 AM	Lab I	ID:	012011334-00	06
Method		Parameter	Result	RL Uni	ts	Prep Date & Ana	lyst	Analysis Date & Anal	
METALS	6								
200.8		Lead	ND	1.00 µg/L	- 1	10/14/2020	KB	10/14/2020 21:07	KB
Client S	ample Description	<ul> <li>01-Home Ec-CF-P-05</li> <li>1st- Home Economics- Cl countertop)-CF- 5</li> </ul>	assroom sink (left	Collected:	10/10/2020 8:26:00 AM	Lab I	ID:	012011334-00	07
Method		Parameter	Result	RL Uni	ts	Prep Date & Ana	lyst	Analysis Date & Anal	
METALS	3								
200.8		Lead	3.28	1.00 µg/L	- 1	10/14/2020	KB	10/14/2020 21:08	KB
Client S	ample Description	<ul> <li>01-Home Ec-CF-P-06</li> <li>1st- Home Economics- Cl (right countertop)-CF- 6</li> </ul>	assroom sink	Collected:	10/10/2020 8:27:00 AM	Lab I	ID:	012011334-00	08
Method		Parameter	Result	RL Uni	ts	Prep Date & Ana	lyst	Analysis Date & Anal	
METALS	3								
200.8		Lead	ND	1.00 µg/L	- 1	10/14/2020	KB	10/14/2020 21:09	KB
Client S	ample Description	<ul> <li>01-Home Ec-CF-P-07</li> <li>1st- Home Economics- Cl (right countertop hose)-Cl</li> </ul>		Collected:	10/10/2020 8:27:00 AM	Lab I	ID:	012011334-00	09
Method		Parameter	Result	RL Uni	ts	Prep Date & Ana	lyst	Analysis Date & Anal	
METALS	5								
200.8		Lead	ND	1.00 µg/L	- 1	10/14/2020	KB	10/14/2020 21:10	KB
Client S	ample Description	1 01-Art-CF-P-08 1FL- Art rm- Classroom s	ink (right)-CF- 8	Collected:	10/10/2020 8:28:00 AM	Lab I	ID:	012011334-00	10
Method		Parameter	Result	RL Uni	ts	Prep Date & Ana	lyst	Analysis Date & Anal	
METALS	3								
200.8		Lead	2.02	1.00 µg/L	_ 1	10/14/2020	KB	10/14/2020 21:12	KB

EMSL	EMSL Analytical, Inc 200 Route 130 North, Cinnaminson, Phone/Fax: (856) 303-2500 / (856) http://www.EMSL.com	, NJ 08077			EMSL Or Custome Custome ProjectID	rID: rPO:	012011334 LBAP78 20PO010630	)
Attn: Joseph Ka WSP USA 96 Morton 8th floor New York,	Solutions Inc Street	F	ax:	(212) 612-7900 10/13/2020 12:				
	02.02; Briarcliff Manor School I	District (Briarcliff Manor M Analytical F		10/10/2020	Lab	10:	012011334-00	)11
Client Sample Descrip	1FL- Art rm- Classroom s	sink (left)-CF- 9	Collected:	8:27:00 AM	Lad	ID:	012011334-00	711
Method	Parameter	Result	RL Uni	its	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.23	1.00 μg/	L 1	0/14/2020	KB	10/14/2020 21:13	KB
Client Sample Descrip	tion 01-FBRR-BF-P-03 1FL- Right faculty- BR-Bf	F- 3	Collected:	10/10/2020 8:28:00 AM	Lab	ID:	012011334-00	)12
Method	Parameter	Result	RL Uni	its	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								

200.8	Lead	ND	1.00 μg/L		10/14/2020	KB	10/14/2020 21:19	KB
Client Sample Descripti	on 01-FBRL-BF-P-04 1FL- Left faculty- B	R-BF- 4	Collected:	10/10/2020 8:29:00 AM	Lab	ID:	012011334-0	013
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	ND	1.00 μg/L		10/14/2020	KB	10/14/2020 21:21	KB
Client Sample Descripti	,	P-10 lassroom sink-CF- 10	Collected:	10/10/2020 8:03:00 AM	Lab	ID:	012011334-0	014
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	1.29	1.00 μg/L		10/14/2020	KB	10/14/2020 21:22	KB
Client Sample Descripti		hroom sink (left)-BF- 5	Collected:	10/10/2020 8:31:00 AM	Lab	ID:	012011334-0	015
Method	Parameter	Result	RL Unit	S	Prep Date & Ana	alyst	Analysis Date & Ana	
METALS								
200.8	Lead	5.29	1.00 µg/L		10/14/2020	KB	10/14/2020 21:23	KB

Attn: Joseph Ka WSP USA S 96 Morton 8th floor New York,	Solutions Inc Street NY 10014	son, NJ 08077 856) 858-4571 <u>EnvChemistry2@emsl.com</u> I	Fax: Received: 1	212) 612-7900 0/13/2020 12:(		ID: PO:	012011334 LBAP78 20PO010630	)
		Analytical						
Client Sample Descrip		pom sink (center)-BF- 6	Collected:	10/10/2020 8:32:00 AM	Lab	ID:	012011334-00	016
Method	Parameter	Result	RL Unit	Ś	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	2.81	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:24	KB
Client Sample Descrip	otion 01-BBR-BF-P-07 1FL- Boys BR- Bathro	oom sink (right)-BF- 7	Collected:	10/10/2020 8:34:00 AM	Lab	ID:	012011334-00	)17
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	10.7	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:26	KB
Client Sample Descrip		om sink (left)-BFBF- 8	Collected:	10/10/2020 8:38:00 AM	Lab	ID:	012011334-00	)18
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	4.59	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:27	KB
Client Sample Descrip	otion 01-GBR-BF-P-09 1FL- Girls BR- Bathro	oom sink (right)-BF- 9	Collected:	10/10/2020 8:47:00 AM	Lab	ID:	012011334-00	)19
Method	Parameter	Result	RL Unit	s	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	3.89	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:28	KB
Client Sample Descrip	otion 01-SBR-BF-P-10 1FL- Student bathroo (right)-BF- 10	m- Bathroom sink	Collected:	10/10/2020 8:48:00 AM	Lab	ID:	012011334-00	020
Method	Parameter	Result	RL Unit	Ś	Prep Date & Ana	lyst	Analysis Date & Ana	

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96 Morton S 8th floor New York, N	olutions Inc Street	Fa Re	x: ceived: 1	212) 612-7900 10/13/2020 12:0	00 AM			
		Analytical R	esults					
Client Sample Descript	ion 01-SBR-WB-P-11 1FL- Student bathroom- E (left)-WB- 11	Bathroom sink	Collected:	10/10/2020 8:49:00 AM	Lab I	D:	012011334-00	021
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	2.21	1.00 µg/L	- 10	0/14/2020	KB	10/14/2020 21:37	KB
Client Sample Descript	ion 01-Café-KF-P-01 1FL- Cafeteria- Water bot	tle filler-KF- 1	Collected:	10/10/2020 8:05:00 AM	Lab I	D:	012011334-00	)22
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	ND	1.00 µg/L	- 10	0/14/2020	KB	10/14/2020 21:41	KB
Client Sample Descript	<i>ion</i> 01-Kitchen-KF-P-01 1FL- Kitchen- Pot filler-KF	- 1	Collected:	10/10/2020 8:54:00 AM	Lab I	D:	012011334-00	)23
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	138 D	2.00 µg/L	- 1	0/15/2020	JA	10/16/2020 15:00	JW
Client Sample Descript	ion 01-Kitchen-CF-P-02 1FL- Kitchen- Kitchen fau CF- 2	cet (back right)-	Collected:	10/10/2020 8:55:00 AM	Lab I	D:	012011334-00	024
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	13.9	1.00 µg/L	- 10	0/14/2020	KB	10/14/2020 21:42	KB
Client Sample Descript	<i>ion</i> 01-Library off-CF-P-11 1FL- Library office- Class	room sink-CF- 11	Collected:	10/10/2020 8:56:00 AM	Lab I	D:	012011334-00	025
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Ana	
METALS								
200.8	Lead	3.10	1.00 µg/L	- 10	0/14/2020	KB	10/14/2020 21:43	KB

EMSL 20	MSL Analytical, Inc.           0 Route 130 North, Cinnaminson, NJ 08077           ione/Fax:         (856) 303-2500 / (856) 858-4571           p://www.EMSL.com         EnvChen	nistry2@emsl.cor	<u>n</u>		EMSL Ord Customer Customer ProjectID:	ID: PO:	012011334 LBAP78 20PO010630	
Attn: Joseph Kapp WSP USA So 96 Morton So 8th floor New York, N Project: 31402629.002.	blutions Inc treet	riarcliff Mano	Fax: Received: 1	212) 612-7900 0/13/2020 12:1				
	ŀ	Analytical	Results					
Client Sample Description	on 01-FBR-BF-P-12 1FL- Faculty BR adj. to Rm 110- Bl BF- 12	R sink-	Collected:	10/10/2020 8:58:00 AM	Lab I	D:	012011334-00	26
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:45	KB
Client Sample Description	on 02-FBR-BF-P-13 2FL- Faculty BR adj. to Rm 302- Bl BF- 13	R sink-	Collected:	10/10/2020 9:01:00 AM	Lab I	ID:	012011334-00	27
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	1.38	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:48	KB
Client Sample Description	on 02-FBR-BF-P-14 2FL- Faculty BR adj. to Rm 210- B BF- 14	R sink-	Collected:	10/10/2020 9:04:00 AM	Lab I	D:	012011334-00	28
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	1.56	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:50	KB
Client Sample Description	on 01-Nurse-NS-P-01 1FL- Nurses office- Classroom sink	-NS- 1	Collected:	10/10/2020 10:17:00 AM	Lab I	D:	012011334-00	29
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	ND	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:51	KB
Client Sample Description	on 01-Nurse-NS-P-02 1FL- Nurses office (Back right BR)- Bathroom sink-NS- 2		Collected:	10/10/2020 10:18:00 AM	Lab I	D:	012011334-00	30
Method	Parameter	Result	RL Unit	ts	Prep Date & Ana	lyst	Analysis Date & Anal	yst
METALS								
200.8	Lead	1.43	1.00 µg/L	. 1	0/14/2020	KB	10/14/2020 21:52	KB

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Attn: Joseph Ka WSP USA S 96 Morton 3 8th floor New York,	Solutions Inc Street	Phone: Fax: Received:	(212) 612-7900 10/13/2020 12:00	) AM	
Project: <b>31402629.00</b>	2.02; Briarcliff Manor School District (Briarcliff Mano	r Middle School)			
	Analytical	Results			
Client Sample Descrip	tion 01-Nurse-NS-P-03 1FL- Nurses office (Back left BR)- Bathroom sink-NS- 3	Collected:	10/10/2020 10:18:00 AM	Lab ID:	012011334-0031

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Ana	
METALS						
200.8	Lead	2.02	1.00 µg/L	10/14/2020 KB	10/14/2020 21:53	KB

#### Definitions:

MDL - method detection limit J - Result was below the reporting limit, but at or above the MDL ND - indicates that the analyte was not detected at the reporting limit RL - Reporting Limit (Analytical) D - Dilution Sample required a dilution which was used to calculate final results



#### Assessment Results Exceedance Table

Of the 31 samples collected at Briarcliff Manor Middle School, 1 (3.2%) had lead concentrations that exceeded 15 ppb. The table below details the sample locations and the laboratory results.

	Briarcliff Manor Middle School - Briarcliff Manor School District										
Date Sample ID Floor Location											
10/10/2020	01-Kitchen-KF-P-01	1	Kitchen- Pot filler-KF- 1	138							

WSP USA, Inc. 96 Morton Street 8<sup>th</sup> Floor New York, NY 10014 WSP USA wsp.com Tel.: +1 212 612.7900

# A NOTICE TO PARENTS, GUARDIANS, and STAFF Briarcliff Manor Middle School Lead Testing of School Drinking Water [date]

Safe and healthy school environments can foster healthy and successful children. To protect public health, the Public Health Law and New York State Health Department (NYSDOH) regulations require that all public schools and boards of cooperative educational services (BOCES) test lead levels in water from every outlet that is being used, or could potentially be used, for drinking or cooking. If lead is found at any water outlet at levels above 15 parts per billion (ppb), which is equal to 15 micrograms per liter (µg/L), the NYSDOH requires that the school take action to reduce the exposure to lead.

# What is first draw testing of school drinking water for lead?

The "on-again, off-again" nature of water use at most schools can raise lead levels in school drinking water. Water that remains in pipes overnight, over a weekend, or over vacation periods stays in contact with lead pipes or lead solder and, as a result, could contain higher levels of lead. This is why schools are required to collect a sample after the water has been sitting in the plumbing system for a certain period of time. This "first draw" sample is likely to show higher levels of lead for that outlet than what you would see if you sampled after using the water continuously. However, even if the first draw sample does not reflect what you would see with continuous usage, it is still important because it can identify outlets that have elevated lead levels.

# What are the results of the first draw testing?

	Briarcliff Manor Middle School - Briarcliff Manor School District										
Date	Sample ID	Floor	Location	Lead Level (ppb)							
10/10/2020	01-Kitchen-KF-P-01	1	Kitchen- Pot filler-KF- 1	138							

# What is being done in response to the results?

Insert information on:

Remedial actions completed/planned

Retesting and future testing plans (e.g., next event in 2020)

<u>If appropriate</u>, add the following language:

Outlets that tested with lead levels above the action level (15 ppb) were removed from service, unless an outlet is a sink faucet needed for handwashing. In that case, a sign was posted at the outlet indicating that the sink is not to be used for drinking. Outlets that tested below the action level remain in service with no restrictions.

# What are the health effects of lead?

Lead is a metal that can harm children and adults when it gets into their bodies. Lead is a known neurotoxin, particularly harmful to the developing brain and nervous system of children under 6 years old. Lead can harm a young child's growth, behavior, and ability to learn. Lead exposure during pregnancy may contribute to low birth weight and developmental delays in infants. There are many sources of lead exposure in the environment, and it is important to reduce all lead exposures as

much as possible. Water testing helps identify and correct possible sources of lead that contribute to exposure from drinking water.

# What are the other sources of lead exposure?

Lead is a metal that has been used for centuries for many purposes, resulting in widespread distribution in the environment. Major sources of lead exposure include lead-based paint in older housing, and lead that built up over decades in soil and dust due to historical use of lead in gasoline, paint, and manufacturing. Lead can also be found in a number of consumer products, including certain types of pottery, pewter, brass fixtures, foods, plumbing materials, and cosmetics. Lead seldom occurs naturally in water supplies but drinking water could become a possible source of lead exposure if the building's plumbing contains lead. The primary source of lead exposure for most children with elevated blood-lead levels is lead-based paint.

# Should your child be tested for lead?

The risk to an individual child from past exposure to elevated lead in drinking water depends on many factors; for example, a child's age, weight, amount of water consumed, and the amount of lead in the water. Children may also be exposed to other significant sources of lead including paint, soil and dust. Since blood lead testing is the only way to determine a child's blood lead level, parents should discuss their child's health history with their child's physician to determine if blood lead testing is appropriate. Pregnant women or women of childbearing age should also consider discussing this matter with their physician.

# **Additional Resources**

For more information regarding the testing program or sampling results, contact [\_\_\_\_\_\_\_ at (\_\_\_) \_\_\_ ], or go to our school website: [insert link to school website]

For information about lead in school drinking water, go to: http://www.health.ny.gov/environmental/water/drinking/lead/lead\_testing\_of\_school\_drinking\_water.htm

http://www.p12.nysed.gov/facplan/LeadTestinginSchoolDrinkingWater.html

For information about NYS Department of Health Lead Poisoning Prevention, go to: <a href="http://www.health.ny.gov/environmental/lead/">http://www.health.ny.gov/environmental/lead/</a>

For more information on blood lead testing and ways to reduce your child's risk of exposure to lead, see "What Your Child's Blood Lead Test Means":

http://www.health.ny.gov/publications/2526/ (available in ten languages)