

November 18, 2022

Mr. Bernie Bowers Operations Supervisor Wyandotte Public Schools 639 Oak Street Wyandotte, Michigan 48192 Bowersb@wy.k12.mi.us

RE: AEG Project # AE220046 Lead Drinking Water Sampling Roosevelt High School

Dear Mr. Bowers:

Pursuant to the request of Wyandotte Public Schools, Arch Environmental Group, Inc. (AEG) collected twelve (12) representative first draw drinking water lead samples on November 5, 2022, at Roosevelt High School during a normal usage period.

General Information about Lead

There is no federal law requiring testing of drinking water in schools and childcare facilities, except for those that have and/or operate their own public water system and therefore are subject to comply with the Safe Drinking Water Act (SDWA). Drinking water programs are conducted on a voluntary basis.

Lead enters drinking water:

1. Through Corrosion

Most lead gets into drinking water after the water leaves the local well or treatment plant and comes into contact with plumbing materials containing lead. These include lead pipe and lead solder (commonly used until 1986) as well as faucets, valves, and other components made of brass. The physical/chemical interaction that occurs between the water and plumbing is referred to as corrosion. The extent to which corrosion occurs contributes to the amount of lead that can be released into the drinking water.

2. Faucet Aerators

Many taps that are used to provide water for human consumption have an aerator as part of the faucet assembly. Screens are not intended to remove contaminants in the water but may trap sediment or debris as water passes through the faucet. Lead bearing sediment may end up in drinking water from physical corrosion of leaded solder and can build up in the aerator over time.

3. Galvanized Piping

Additionally, galvanized pipes are old iron pipes that were installed in many homes built before the 1960s. Over many years, old corrosion scales build up inside the walls of galvanized pipes. These pipes can cause discolored water and pressure issues. Galvanized pipes can also release lead in water if you have or ever have had a lead service line.

GRAND RAPIDS (616) 930-4116 Cedar Springs, MI AE220046 Lead Drinking Water Sampling Roosevelt High School

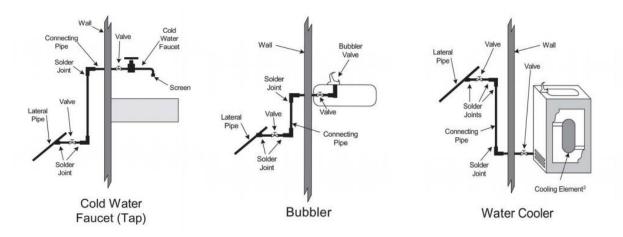
4. Brass Pipes, Faucets Fittings and Valves

Brass used prior to 2014 to deliver drinking water can contribute to lead levels at the tap. Lead has long been used in the foundry process to make brass castings pressure tight. Lead is sometimes added in concentrations of about 2%.

Action Levels

The Lead and Copper Rule (LCR) is a treatment technique rule. Instead of setting a maximum contaminant level (MCL) for lead or copper, the rule requires public water systems to take certain actions to minimize lead and copper in drinking water. The Action Level for lead is 15 ug/L (15 ppb). Beginning January 1, 2025, the action level for lead in the State of Michigan will be lowered to 12 ug/L (12 ppb). In August 2016, the Michigan Department of Environment, Great Lakes, and Energy (EGLE) recommended school districts use the contaminate level goal of 5 ug/L (5 ppb). Finally, in May of 2019, The American Academy of Pediatrics called for new federal standards to ensure water lead concentrations do not exceed 1 ug/L (1 ppb). For this sampling event, the district shall utilize 12 ug/L (ppb) as the Action Level.

Common Drinking Water Outlets



Collection Procedures

All water samples were collected utilizing 250 milliliter (mL) sample bottles as recommended in the August 1, 2016, Version 3.0 *"EGLE Guidance on Drinking Water Sampling for Lead and Copper at Schools and Daycares on Community Water Supplies"*. Sample results are representative of the specific fixture sampled and do not represent the distribution system or other fixtures.

First Draw Sampling:

AEG collected first draw samples. A first draw is the water that is the first to come out of the tap after the period of 8-24 hours of inactivity.

All locations sampled identified lead below the 12 ug/L Action Level. No further action is recommended at this time.



AE220046 Lead Drinking Water Sampling Roosevelt High School

If you have any questions regarding the report, please feel free to contact the cleanWATER team at (248) 426-0165 [office].

Sincerely,

Arch Environmental Group, Inc. Environmental Services

Sabrina Fouche Consultant, D-5 Waterworks Operator #22153

Attachments: Results Table Analytical Results & Chain of Custody Pg. 3





Roosevelt High School

Date of Sampling: November 5, 2022

Sampler: Zachary Fortin

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Sample #	Location	Type ¹	Time Collected	District Lead Action Level (ug/L) ²	Lead Results	Aerator Present Y/N	POU Filter Present Y/N	Filter Date/Color	Notes
Roosevelt-01	Senior Hallway, Adjacent to Women's Bathroom, Hydration Station, Bottle Fill	HS	7:49 AM	12	ND ³	Y	Y	Green	Initial First Draw
Roosevelt-02	Music Hallway, Across from Room C-139, Hydration Station, Bottle Fill	HS	8:35 AM	12	ND	Y	Y	Green	Initial First Draw
Roosevelt-03	Hallway Adjacent to Room B- 123, Hydration Station, Bottle Fill	HS	8:40 AM	12	ND	Y	Y	Green	Initial First Draw
Roosevelt-04	Commons Area, Hallway Outside of Cafeteria, Hydration Station, Bottle Fill	HS	8:18 AM	12	ND	Y	Y	Green	Initial First Draw

1) Type: B = Bubbler, HS = Hydration Station, BT = Single Bottle Fill, WC = Single Water Cooler, C = Combination Sink, F = Faucet,

KF = Kitchen Faucet, I = Ice Machine, KK = Kitchen Kettle, PC = Plumed Coffee Machine, G = Glass Filler

2) https://www.epa.gov/sites/default/files/2016-06/documents/npwdr_complete_table.pdf

3) ND = Non-Detected at Reported Detection Limit of 1 ug/L



Roosevelt High School

Date of Sampling: November 5, 2022

Sampler: Zachary Fortin

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Sample #	Location	Type ¹	Time Collected	District Lead Action Level (ug/L) ²	Lead Results		POU Filter Present Y/N	Filter Date/Color	Notes
Roosevelt-05	Kitchen, Center Island, Next to Stove Burners, East Food Prep Sink	KF	8:25 AM	12	ND	Y	Ν	N/A	Initial First Draw
Roosevelt-06	Hallway Adjacent to Room F101, Hydration Station, Bottle Fill	HS	9:05 AM	12	ND	Y	Y	Green	Initial First Draw
Roosevelt-07	Hallway Adjacent to Room A- 310, Hydration Station, Water Cooler	HS	7:55 AM	12	ND	Ν	Y	Unknown	Initial First Draw
Roosevelt-08	Hallway Adjacent to Room A- 338, Hydration Station, Bottle Fill	HS	7:59 AM	12	ND	Y	Y	Green	Initial First Draw

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KF = Kitchen Faucet, I = Ice Machine, KK = Kitchen Kettle, PC = Plumed Coffee Machine, G = Glass Filler

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Roosevelt High School

Date of Sampling: November 5, 2022

Sampler: Zachary Fortin

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Sample #	Location	Type ¹	Time Collected	District Lead Action Level (ug/L) ²	Lead Results		POU Filter Present Y/N	Filter Date/Color	Notes
Roosevelt-09	Hallway Adjacent to Room A- 234, Hydration Station, Bottle Fill	HS	8:10 AM	12	ND	Y	Y	Green	Initial First Draw
Roosevelt-10	Hallway Adjacent to Room A- 216, Hydration Station, Bottle Fill	HS	8:05 AM	12	ND	Y	Y	Green	Initial First Draw
Roosevelt-11	Hallway Across from Room B- 211, Hydration Station, Bottle Fill	HS	8:45 AM	12	ND	Y	Y	Green	Initial First Draw
Roosevelt-12	Cafeteria, Next to Room D- 139, Hydration Station, Bottle Fill	HS	8:15 AM	12	ND	Y	Y	Green	Initial First Draw

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3) ND = Non-Detected at Reported Detection Limit of 1 ug/L



2105 Pless Drive Brighton, Michigan 48114 Phone (810)229-7575 Fax (810)229-8650 E-mail bai-brighton@sbcglobal.net

November 16, 2022

Arch Environmental Group 37720 Interchange Dr. Farmington Hills, MI 48335

Subject: Roosevelt High School IFD AE220046 - WPS

Dear Ms. Sendra :

Thank you for making Brighton Analytical, L.L.C. your laboratory of choice. Attached are the results for the samples submitted on 11/09/2022 for the above mentioned project. NELAP/TNI Accredited Analysis and EGLE Drinking Water Certified Analysis will be identified in their respective reporting formats. Hard copies can be supplied at your request for a fee of \$20.00 per copy.

The invoice for this project will be emailed separately. If you have any questions concerning the data or invoice, please don't hesitate to contact our office. We welcome your comments and suggestions to improve our quality systems. Please reference Brighton Analytical, L.L.C. Project ID 85908 when calling or emailing. We thank you for this opportunity to partner with you on this project and hope to work with you again in the future.

Sincerely, Brighton Analytical, L.L.C.







2105 Pless Drive Brighton, Michigan 48114 Phone: (810)229-7575 (810)229-8650 e-mail:bai-brighton@sbcglobal.net EGLE Certified #9404 NELAC Accredited #176507

Sample Date/	Time:	11/05/2022	07:49				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmingtor	Hills, MI 48335		
BA Project # 85908				Project Name:		0	School IFD			
BA Sample ID CS03246				Project Number Sample ID:		0046 - W 01 Senioi	PS · Hallway Women's Ba	athroom HydSta F	BF	
Analyte Name			Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	letal An	alysis								
Total Lead (Drinking V	Vater)		Not detected	ug/L	1	15	EPA 200.8 rev5.4	11:51	LT	11/15/2022
			1 411							

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve EGLE designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

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Date 11/16/2022



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Sample Date/	Time:	11/05/2022	08:35				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmington	h Hills, MI 48335		
BA Project #	85908	8		Project Name:		0	School IFD			
BA Sample ID	CS03	247		Project Number Sample ID:		0046 - W 02 Music	PS Hallway Across Room	n C-139 HydSta B	F	
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	letal An	alysis								
Total Lead (Drinking Water) Not		Not detected	ug/L	1	15	EPA 200.8 rev5.4	11:53	LT	11/15/2022	
			1 41 1							

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Sample Date	/Time:	11/05/2022	08:40				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmington	h Hills, MI 48335		
BA Project #	8590	8		Project Name:		0	School IFD			
BA Sample ID	CS03	3248		Project Numb Sample ID:)046 - W)3 Hallw	PS ay Adj Room B-123 H	ydration Station I	BF	
Analyte Na	ame		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	Metal Aı	nalysis								
Total Lead (Drinking Water) Not d			Not detected	ug/L	1	15	EPA 200.8 rev5.4	11:55	LT	11/15/2022
RL=Reported detection limit for analytical me			cal method re	quested. Som	e compound	s require	special			

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Sample Date/	Time:	11/05/2022	08:18				Arch Envir	onmental Group			
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	change Dr.			
Report Date:		11/16/2022					Farmington	Hills, MI 48335			
BA Project #	85908		-	Project Name:	Roosev	elt High S	School IFD				
BA Sample ID	249		Project Number	r: AE22	0046 - W	PS					
211 Sumpte 12	C5052	2 7)		Sample ID:	Roosevelt-	04 Comn	10ns Area Outside Cai	feteria HydSta BF			
Analyte Name			Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date	
										-	-
Drinking Water M	letal Ana	alysis									
Total Lead (Drinking Water) Not			Not detected	ug/L	1	15	EPA 200.8 rev5.4	11:57	LT	11/15/2022	

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Sample Date/	Time:	11/05/2022	08:25				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmington	h Hills, MI 48335		
BA Project #	85908	}		Project Name:		0	School IFD			
BA Sample ID	CS03	250		Project Number Sample ID:		0046 - W 05 Kit Cı	PS 1tr Island NxtStoveBu	rners E. FoodPre	pSink	
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water N	Aetal An	alysis								
Total Lead (Drinking Water) Not de			Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:04	LT	11/15/2022
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Sample Date	/Time:	11/05/2022	09:05				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmington	h Hills, MI 48335		
BA Project #	8590	8		Project Name		0	School IFD			
BA Sample ID	CS03	3251		Project Numb Sample ID:)046 - W)6 Hallw	PS ay Adj. Room F101 H	ydration Station E	BF	
Analyte Na	ame		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	Metal Aı	nalysis								
Total Lead (Drinking Water) Not a		Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:07	LT	11/15/2022	
RL=Reported detection limit for analytical met			cal method re	quested. Som	e compound	s require	special			

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Sample Date/	Time:	11/05/2022	07:55				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmington	h Hills, MI 48335		
BA Project #	85908	}		Project Name:		0	School IFD			
BA Sample ID	CS03	252		Project Number Sample ID:		0046 - W 07 Hallw	PS ay Adj. Room A-310 F	Iydration Station	WC	
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	Aetal An	alysis								
Total Lead (Drinking Water) Not d			Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:09	LT	11/15/2022
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Sample Date/	Time:	11/05/2022	07:59				Arch Envir	onmental Group			
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	change Dr.			
Report Date:		11/16/2022					Farmington	Hills, MI 48335			
					-						
BA Project #	85908			Project Name:	Rooseve	elt High S	School IFD				
BA Sample ID		Project Number		0046 - W			DE				
•	CS032			Sample ID: F	koosevelt-	J8 Hallw	ay Adj. Room A-338 E	lydration Station	BF		
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date	
Drinking Water M	Ietal Ana	lysis									
Total Lead (Drinking Water) Not d		Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:25	LT	11/15/2022		
			1 /1 1	(1 0	1		• 1				

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Sample Date/ Submit Date/ Report Date:		11/05/2022 11/09/2022 11/16/2022	08:10 13:40				37720 Inter	onmental Group change Dr. Hills, MI 48335			
BA Project # BA Sample ID	85908 CS03			Project Name: Project Number: Sample ID: R	AE22	0046 - W	School IFD PS ay Adj. Room A-234 F	Iydration Station	BF		
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date	
Drinking Water M	Ietal An	alysis									
Total Lead (Drinking Water) Not			Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:27	LT	11/15/2022	
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Sample Date/	Time:	11/05/2022	08:05				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmingtor	h Hills, MI 48335		
BA Project #	85908	8		Project Name Project Numb		elt High	School IFD PS			
BA Sample ID	CS03	255		Sample ID:			ay Adj. Room A-216 H	Iydration Station	BF	
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	/letal An	alysis								
Total Lead (Drinking V	Water)		Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:30	LT	11/15/2022
RL=Reported dete	ction lin	nit for analytic	cal method re	quested. Som	e compound	s require	special			

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Sample Date/	Time:	11/05/2022	08:45				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	change Dr.		
Report Date:		11/16/2022					Farmington	Hills, MI 48335		
BA Project #	85908	3	-	Project Name:	Roosev	elt High S	School IFD			
BA Sample ID	CS03	256		Project Number Sample ID: I		0046 - W 11 Hallw	PS ay Across Room B-211	Hydration Statio	on BF	
Analyte Na	me		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	/letal An	alysis								
Total Lead (Drinking V	Water)		Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:32	LT	11/15/2022
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Sample Date/	/Time:	11/05/2022	08:15				Arch Envir	onmental Group		
Submit Date/	Time:	11/09/2022	13:40				37720 Inter	rchange Dr.		
Report Date:		11/16/2022					Farmingtor	h Hills, MI 48335		
BA Project #	85908			Project Name:		0	School IFD			
BA Sample ID	CS032	257		Project Number: Sample ID: R		0046 - W 12 Cafeto	PS eria Next Room D-139	Hydration Statio	n BF	
Analyte Na	ime		Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water M	Metal Ana	lysis								
Total Lead (Drinking	Water)		Not detected	ug/L	1	15	EPA 200.8 rev5.4	12:34	LT	11/15/2022
DI - Donortad data	ation limi	t for analytic	al math ad na	anastad Campa a			amagial			

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Date 11/16/2022

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			righton, N										E MAT									Arch Environm	ental Group	
		Phone: 810-22	29-7575	Fax: 81	0-22	9-86	50			S = 5	Solid	1												
PR	OJECT									DW	- Drir = Wa	nking												
		Roosev	velt High	School	IFD					0=0 P=\												A44	lanna Candra	
PR	OJECT									A=	Air (Te	edlar	Bag)									Attn:	Jenna Sendra	
	MBER:		AE2200)46						F = F T = T	ube											PHONE:		
P.O. 1	UMBER:	Wyand	dotte Pub	lic Scho	ols						Grou		ater Water									FAX:		
Sample	collected by	. Zachary Fortin		RUSH roved by:	T		Cor	ntair	ner T	_	-	_	-	_								EMAIL:	labs@archenv	group.com
BEOL		ROUND:(X BOX WITH TAT NEEDED)						0	£				Se l		1 12	×						Sample received w Temperature of sar		? yes no 🗆
Def		ndard: 5 - 10 Business days			ES)	RES)	UNPRESERVED	HNO ₃ FILTERED	HNO, UNFILTERED	5	н	SS	RESEF	STERILIZED BACTERIA	reserv	atri						pH verified in login	? yes 🖉 🗅 🗆	
	2	: Business days H: 3 Business days	20		(PRES)	VOA'S (UNPRES)	PRES	3 FIL	ILIN	HDPE H2SO4	NAOH	AMBER GLASS	R GLA	D BAG	1 0 0	N						Headspace/bubbles in		/
1 DAY=		SH SURCHARGE AY = 2X COST 3 DAY = 1.5X COST	3 🗌 🛛 S	ampling	VOA'S	S.VC	ы Ш	Ϋ́Ε	°О́ЧНО	НДРЕ	HDPE	MBE	AMBE RVE)(I	SILIZE	EOH Pres	ble						Sample containers	and COC match	/ yes z no u
Brighton	ID#	Sample Description	Time	Date		>	HDPE	HDPE	HDPE				AMBER GLASS (PRESERVE)(NOT PRESERV	STE	ME (F)ield	Sample Matrix	ead					BILLING ADDRES	S (IF REQUIRED)
303	Roos	evelt-01 Senior Hallway, By Women's room, Hydration Station, Bottle Fill	7:49	11/5/2022					Х				1		1	DW	X			1				
2)	Roos	evelt-02 Music Hallway, Across from R 9, Hydration Station, Bottle Fill	toom 8:35	11/5/2022					х							DW	X							
	Roos	evelt-03 Hallway Adjacent to Room B- ation Station, Bottle Fill	123, 8:40	11/5/2022					х						-	DW	X			1				
	Roos	evelt-04 Commons Area, Hallway Outs eria, Hydration Station, Bottle Fill	ide of 8:18	11/5/2022					x							DW	X			-		-		
5)	C Roos	evelt-05 Kitchen, Center Island, Next to	8:25	11/5/2022	1-1				X		-				-	DW	X							
6)	Roos	burners, East Food Prep Sink evelt-06 Hallway Adjacent to Room F10	01, 9:05	11/5/2022		-		+	X		\neg		\vdash		\vdash	DW	X			+		-		
7)	Roos	ation Station, Bottle Fill evelt-07 Hallway Adjacent to Room A-3	310, 7:55	11/5/2022				+	X		-					DW	X		-	+		-		
_	- Roos	ation Station, Water Cooler evelt-08 Hallway Adjacent to Room A-3	338 , 7:59	11/5/2022				\neg	X		_			-		DW	X			+			rinking Wa	ter:
9)	Roos	ntion Station, Bottle Fill evelt-09 Hallway Adjacent to Room A-2	234, 8:10	11/5/2022				+	X			_		-		DW	X			-		Fax to LCHD? yes	no 🗆	
10)	- Roos	ntion Station, Bottle Fill evelt-10 Hallway Adjacent to Room A-2	_	-		-		-	X		-	_			-	DW	X			-		Chlorinated Water Sup		
	structions:	ttion Station, Bottle Fill							<u>^</u>						I		~					MCL Failure yes D n Client Notifled (date/ti		
			out the Cl	nain of C	lusto	dv	com	nlet	elv :	and	revi	iew	Inc	OFT	ect c	rinc	omnl	lete informat	tion wil	result	in a "hol	d" on all analyse	96	
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DA		Brighton A			L.L	(-	-			D		209		2			1	1	T		1	T T		REPOR	RT RESUL	TS T	ю:
BA			05 Pless ghton, MI										EMAT		<u>`</u>										Arch Environn	ental Grou	р	
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NAME:	UM)	Rooseve	elt High S	School	IFD					0 = (P = V	DII														Attn:	Jenna Se	ndra	
PROJEC	_										Air (Te	ediar	Bag)			-												
NUMBER (26 SPACES MAXIMU			AE22004	.6						T = T M = I	ube														PHONE:			
P.O. NUMB	ER:	Wyando	otte Publi	c Schoo	ols					GW=	Grou														FAX:			
				NUSH	r			4 . 1	_		-	-	Water	-	-										EMAIL:	labs@arc	henvgro	oup.com
Sample collecte	ed by:	Zachary Fortin	appro	oved by:		-		itain		i ype	9 64 9	Qua	antity	-	-										Sample received	vithin bolding	time?	/es 🗋 no 🗋
		OUND:(X BOX WITH TAT NEEDED)	V				E	ũ	ED				ERVE	RIA		i									Temperature of sa		anie. j	
Default TAT RUSH: 1 Business d	lay (verif	j marias)	믹		RES)	VOA'S (UNPRES)	UNPRESERVED	HNO ₃ FILTERED	HNO ₃ UNFILTERED	so,	АОН	AMBER GLASS	ÂMBER GLASS (PRESERVE)(NOT PRESERVE	STERILIZED BACTERIA	MEOH Preserved: Id or (L)ab Preserved	Sample Matrix									pH verified in login Headspace/bubbles			n/a □
	RUSH:	2 Rucinoce dave	吕 -		VOA'S (PRES)	s (UN	INPRE	۳ گ	5 ő	HDPE H2SO4	HDPE NAOH	BER G	SER G	ZED B	H Pres	e									Sample container	and COC m	atch? y	es 🗆 no 🗖
1 DAY=3X COST		r = 2X COST 3 DAY = 1.5X COST	Sar	npling	٥٧ ١	VOA:	HDPE (문	Ŧ	AME	AME	LERILI	MEOI	du												
Brighton ID #	-	Sample Description 35 Characters Limit	Time	Date			보	HDPE	HDPE				(PRE:	S	E,	Sa	Lead								BILLING ADDRES	S (IF RÉQUI	RED)	
		velt-11 Hallway Across from Room B-2 ion Station, Bottle Fill	11, 8:45	11/5/2022					Х							DW	Χ											
0) 30		velt-12 Cafeteria, Next to Room D-139, ion Station, Bottle Fill	8:15	11/5/2022					Х							DW	Χ											
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10)																DW									MCL Failure yes	no 🗖		
Special Instruct	tions:																								Client Notified (date/	ime/initials):	-	-
		Please fill o	ut the Cha	ain of C	usto	dy	com	plet	ely	and	rev	iew	. Inc	orr	ect o	or inc	ompl	lete ir	nform	atio	n will	result	in a "h	old"	on all analys	es.	ŕ	
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BRIGHTON ANALYTICAL, LLC

QUALITY ASSURANCE/QUALITY CONTROL

ICP-MS METHOD 200.8/6020

REPRESENTATIVE BATCH PRECISION AND ACCURACY QUALITY CONTROL SUMMARY

Analysis Date: 11/15/2022	Standard ID: 101722 H2O	Batch; 11/14/2022 B1
Matrix Spike Lab ID: CS03242	Total	Analyst: LT
	Matrix:	

	Matrix Spike -	Precision *		Matrix Spik	e - Accurac	;y**	Miscellaneous***				
Metals	Matrix Spike (ug/L)	Matrix Spike Dup (ug/L)	RPD (%)	Spk Conc (ug/L)	MS Recovery (%)	MSD Recovery (%)	Sample Conc (ug/L)	Method Blk (ug/L)	LCS- Method STD (%)	Ind. Std. (%)	
Lead	1094	984	10.6	1000	109.4	98.4	0	<1	106.7	109.9	

* Matrix spike precision range +/- 20% RPD ** Matrix spike accuracy range +/- 20% recovery *** LCS accuracy range +/- 15% recovery / Ind std accuracy range +/- 10% recovery

Comments: