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
Wilson Middle School

Dear Mr. Bowers:

Pursuant to the request of Wyandotte Public Schools, Arch Environmental Group, Inc. (AEG) collected fourteen (14) representative first draw drinking water lead samples on November 5, 2022, at Wilson Middle 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.

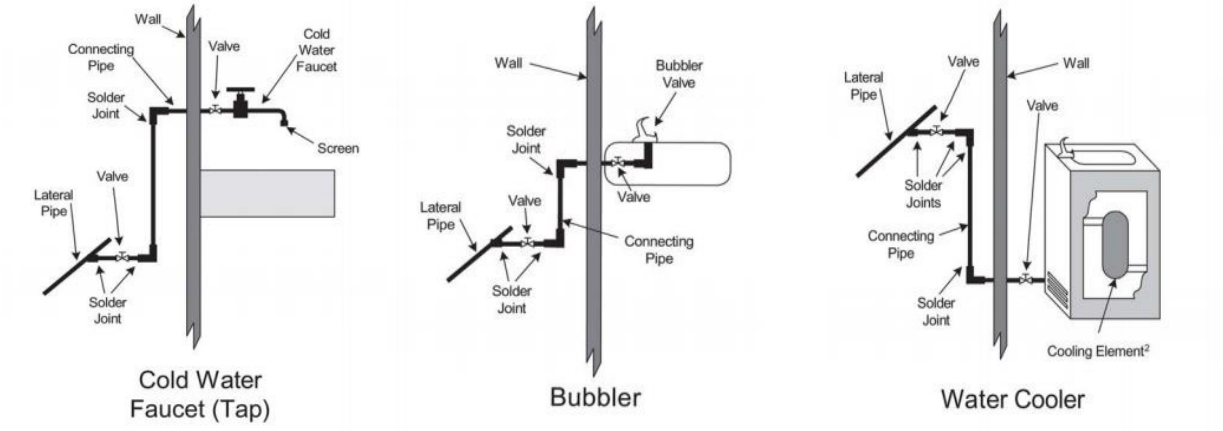
3. *Galvanized Piping*
   Additionally, galvanized pipes are old iron pipes that were installed in many homes built before the 1960s. Over many years, old corrosion scales build up inside the walls of galvanized pipes. These pipes can cause discolored water and pressure issues. Galvanized pipes can also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

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:

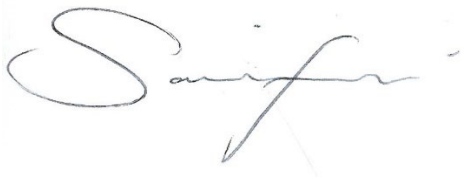
AEG collected first draw samples. A first draw is the water that is the first to come out of the tap after the period of 8-24 hours of inactivity.

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

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

Wyandotte Public Schools
Drinking Water Analysis
Project Number: AE220046

Wilson Middle School

Date of Sampling: November 5, 2022

Sampler: Zachary Fortin

Sample #	Location	Type[1]	Time Collected	District Lead Action Level (ug/L)[2]	Lead Results (ug/L)	Aerator Present Y/N	POU Filter Present Y/N	Filter Date/Color	Notes
Wilson-01	Hallway Across from Room 51, Bubbler	B	2:27 PM	12	3	N	N	N/A	Initial First Draw
Wilson-02	Hallway Outside of Cafeteria, Hydration Station, Bottle Fill	HS	2:48 PM	12	ND[3]	Y	Y	Green	Initial First Draw
Wilson-03	Hallway Across from Room 108, Hydration Station, Bottle Fill	HS	2:52 PM	12	ND	Y	Y	Green	Initial First Draw
Wilson-04	Hallway Across from Room 115, Bubbler	B	2:56 PM	12	2	Y	N	Unknown	Initial First Draw
Wilson-05	Hallway Across from Room 101, Bubbler	B	3:09 PM	12	1	Y	N	N/A	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

Wyandotte Public Schools
Drinking Water Analysis
Project Number: AE220046

Wilson Middle School

Date of Sampling: November 5, 2022

Sampler: Zachary Fortin

Sample #	Location	Type[1]	Time Collected	District Lead Action Level (ug/L)[2]	Lead Results (ug/L)	Aerator Present Y/N	POU Filter Present Y/N	Filter Date/Color	Notes
Wilson-06	Hallway Across from Room 201, Bubbler	B	3:05 PM	12	2	Y	N	N/A	Initial First Draw
Wilson-07	Hallway Across from Room 206, Hydration Station, Bottle Fill	HS	3:02 PM	12	ND	Y	Y	Yellow	Initial First Draw
Wilson-08	Hallway Across from Room 215, Bubbler	B	2:58 PM	12	2	N	N	Unknown	Initial First Draw
Wilson-09	Hallway Across from Room 33, Hydration Station, Bottle Fill	HS	3:15 PM	12	ND	Y	Y	Green	Initial First Draw
Wilson-10	Gymnasium, North Water Cooler	WC	2:40 PM	12	ND	Y	Y	Unknown	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

Wyandotte Public Schools
Drinking Water Analysis
Project Number: AE220046

Wilson Middle School

Date of Sampling: November 5, 2022

Sampler: Zachary Fortin

Sample #	Location	Type[1]	Time Collected	District Lead Action Level (ug/L)[2]	Lead Results (ug/L)	Aerator Present Y/N	POU Filter Present Y/N	Filter Date/Color	Notes
Wilson-11	Gymnasium, South Water Cooler	WC	2:44 PM	12	1	N	Y	Unknown	Initial First Draw
Wilson-12	Pool, North Entrance, Hydration Station, Bottle Fill	HS	2:35 PM	12	ND	Y	Y	Green	Initial First Draw
Wilson-13	Kitchen, Kitchen Kettle	KK	3:19 PM	12	ND	N	Y	2/10/22	Initial First Draw
Wilson-14	Kitchen, Food Prep Sink, Across from Kettle, Kitchen Faucet	KF	3:24 PM	12	2	Y	N	N/A	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

Brighton Analytical L.L.C. TM

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: Wilson Middle School
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 85912 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.

Brighton Analytical LLC
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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	14:27
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

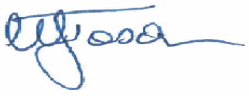
BA Project # **85912**
BA Sample ID **CS03273**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-01 Hallway Across Room 51 Bubbler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	3	ug/L	1	15	EPA 200.8 rev5.4	13:59	LT	11/15/2022

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.

Released by 

Date 11/16/2022

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Sample Date/Time:	11/05/2022	14:48
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

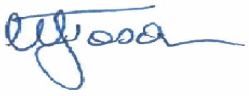
BA Project # **85912**
BA Sample ID **CS03274**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-02 Hallway Outside Cafeteria Hydration Station BF**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	14:01	LT	11/15/2022

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.

Released by 

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Sample Date/Time:	11/05/2022	14:52
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

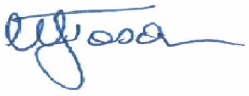
BA Project # **85912**
BA Sample ID **CS03275**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-03 Hallway Across Room 108 Hydration Station BF**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	14:08	LT	11/15/2022

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.

Released by 

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Sample Date/Time:	11/05/2022	14:56
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03276**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-04 Hallway Across Room 115 Bubbler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	14:11	LT	11/15/2022

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

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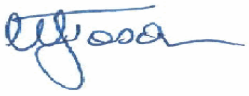
Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by 

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Sample Date/Time:	11/05/2022	15:09
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03277**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-05 Hallway Across Room 101 Bubbler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	14:13	LT	11/15/2022

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

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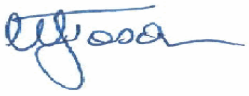
Released by 

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Sample Date/Time:	11/05/2022	15:05
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03278**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-06 Hallway Across Room 201 Bubbler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	14:15	LT	11/15/2022

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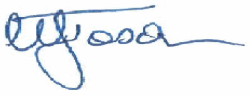
Released by 

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Sample Date/Time:	11/05/2022	15:02
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03279**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-07 Hallway Across Room 206 Hydration Station BF**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	14:18	LT	11/15/2022

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

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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	14:58
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03280**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-08 Hallway Across Room 215 Bubbler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	14:20	LT	11/15/2022

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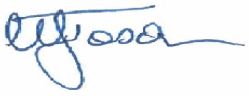
Released by 

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Sample Date/Time:	11/05/2022	15:15
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03281**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-09 Hallway Across Room 33 Hydration Station BF**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	14:22	LT	11/15/2022

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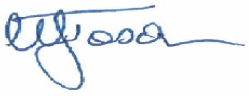
Released by 

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Sample Date/Time:	11/05/2022	14:40
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03282**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-10 Gymnasium North Water Cooler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	14:25	LT	11/15/2022

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

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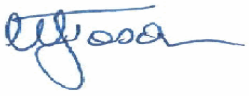
Released by 

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Sample Date/Time:	11/05/2022	14:44
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

BA Project # **85912**
BA Sample ID **CS03283**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-11 Gymnasium South Water Cooler**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	14:46	LT	11/15/2022

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Released by

Date 11/16/2022

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Sample Date/Time:	11/05/2022	14:35
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

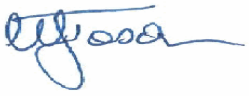
BA Project # **85912**
BA Sample ID **CS03284**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-12 Pool North Entrance Hydration Station BF**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	14:53	LT	11/15/2022

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.

Released by 

Date 11/16/2022

Brighton Analytical LLC
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	15:19
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

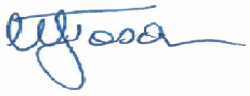
BA Project # **85912**
BA Sample ID **CS03285**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-13 Kitchen Kitchen Kettle**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	1	ug/L	1	15	EPA 200.8 rev5.4	14:55	LT	11/15/2022

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.

Released by 

Date 11/16/2022

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e-mail:bai-brighton@sbcglobal.net
EGLE Certified #9404
NELAC Accredited #176507

Sample Date/Time:	11/05/2022	15:24
Submit Date/Time:	11/09/2022	13:40
Report Date:	11/16/2022	

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

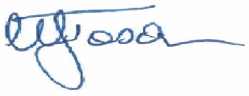
BA Project # **85912**
BA Sample ID **CS03286**

Project Name: **Wilson Middle School**
Project Number: **AE220046 - WPS**
Sample ID: **Wilson-14 Kitchen Food Prep Sink Across Kettle Kit Faucet**

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analyst	Analysis Date
Drinking Water Metal Analysis								
Total Lead (Drinking Water)	2	ug/L	1	15	EPA 200.8 rev5.4	14:58	LT	11/15/2022

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.

Released by 

Date 11/16/2022

Brighton Analytical, L.L.C™

2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575 Fax: 810-229-8650

BA PROJECT #: 85912

PAGE: 1 OF 2

PROJECT NAME: (48 SPACES MAXIMUM) — Wilson Middle School IFD

PROJECT NUMBER: (25 SPACES MAXIMUM) — AE220046

P.O. NUMBER: — Wyandotte Public Schools

Sample collected by: Zachary Fortin

If RUSH approved by:

REQUESTED TURNAROUND:(X BOX WITH TAT NEEDED)
Default TAT Standard: 5 - 10 Business days
RUSH: 1 Business day (verify with lab) RUSH: 1 ☐
2 Business days 2 ☐
RUSH: 3 Business days 3 ☐
RUSH SURCHARGE
1 DAY=3X COST 2 DAY = 2X COST 3 DAY = 1.5X COST

ABBREVIATIONS FOR SAMPLE MATRIX
S = Solid
L = Liquid
DW = Drinking H,0
WW = Wastewater
O = Oil
P = Wipe
A = Air (Tedlar Bag)
F = Filter
T = Tube
M = Misc
GW=Groundwater
SW = Surface Water

Analysis Requested/Method

Container Type & Quantity

Brighton ID #	Sample Description (35 Characters Limit)	Time	Date	VOA'S (PRES)	VOA'S (UNPRES)	HDPE UNPRESERVED	HDPE HNO_3 FILTERED	HDPE HNO_3 UNFILTERED	HDPE H_2SO_4	HDPE NAOH	AMBER GLASS	AMBER GLASS (PRESERVE)(NOT PRESERVE)	STERILIZED BACTERIA	MEOH Preserved: (F)ield or (L)ab Preserved	Sample Matrix	Lead
1) ISO 3273	Wilson-01 Hallway Across from Room 51, Bubbler	14:27	11/5/2022					X							DW	X
2) 74	Wilson-02 Hallway Outside of Cafeteria, Hydration Station, Bottle Fill	14:48	11/5/2022					X							DW	X
3) 75	Wilson-03 Hallway Across from Room 108, Hydration Station, Bottle Fill	14:52	11/5/2022					X							DW	X
4) 76	Wilson-04 Hallway Across from Room 115, Bubbler	14:56	11/5/2022					X							DW	X
5) 77	Wilson-05 Hallway Across from Room 101, Bubbler	15:09	11/5/2022					X							DW	X
6) 78	Wilson-06 Hallway Across from Room 201, Bubbler	15:05	11/5/2022					X							DW	X
7) 79	Wilson-07 Hallway Across from Room 206, Hydration Station, Bottle Fill	15:02	11/5/2022					X							DW	X
8) 80	Wilson-08 Hallway Across from Room 215, Bubbler	14:58	11/5/2022					X							DW	X
9) 81	Wilson-09 Hallway Across from Room 33, Hydration Station, Bottle Fill	15:15	11/5/2022					X							DW	X
10) 82	Wilson-10 Gymnasium, North Water Cooler	14:40	11/5/2022					X							DW	X

Special Instructions:

REPORT RESULTS TO:
Arch Environmental Group

Attn: Jenna Sendra
PHONE:
FAX:
EMAIL: labs@archenvgroup.com

Sample received within holding time? yes ☒ no ☐
Temperature of samples °C:
pH verified in login? yes ☐ no ☐
Headspace/bubbles in VOA'S? yes ☐ no ☐ n/a ☒
Sample containers and COC match? yes ☒ no ☐

BILLING ADDRESS (IF REQUIRED)

Drinking Water:
Fax to LCHD? yes ☐ no ☐
Chlorinated Water Supply? yes ☐ no ☐

MCL Failure yes ☐ no ☐
Client Notified (date/time/initials):

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1			11/9/22	12:15	3			11/9/22	1:40
2					4				

Brighton Analytical, L.L.C™

2105 Pless Drive
Brighton, MI 48114
Phone: 810-229-7575 Fax: 810-229-8650

BA PROJECT #: 85912

PAGE: 2 OF 2

PROJECT NAME: (48 SPACES MAXIMUM)	Wilson Middle School IFD
PROJECT NUMBER: (25 SPACES MAXIMUM)	AE220046
P.O. NUMBER:	Wyandotte Public Schools
Sample collected by:	Zachary Fortin

If RUSH approved by: _____

REQUESTED TURNAROUND:(X BOX WITH TAT NEEDED)
Default TAT Standard: 5 - 10 Business days
RUSH: 1 Business day (verify with lab) RUSH: 1 ☐ 2 ☐ 3 ☐
2 Business days
RUSH: 3 Business days
RUSH SURCHARGE
1 DAY=3X COST 2 DAY = 2X COST 3 DAY = 1.5X COST

ABBREVIATIONS FOR SAMPLE MATRIX

S = Solid
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M = Misc
GW=Groundwater
SW = Surface Water

Analysis Requested/Method

Container Type & Quantity

Brighton ID #	Sample Description (35 Characters Limit)	Sampling Time	Sampling Date	VOA'S (PRES)	VOA'S (UNPRES)	HDPE UNPRESERVED	HDPE HNO_3 FILTERED	HDPE HNO_3 UNFILTERED	HDPE H_2SO_4	HDPE NAOH	AMBER GLASS	AMBER GLASS (PRESERVE)(NOT PRESERVE)	STERILIZED BACTERIA	MEOH Preserved: (F)ield or (L)ab Preserved	Sample Matrix	Lead
1) 83	Wilson-11 Gymnasium, South Water Cooler	14:44	11/5/2022					X							DW	X
2) 84	Wilson-12 Pool, North Entrance, Hydration Station, Bottle Fill	14:35	11/5/2022					X							DW	X
3) 85	Wilson-13 Kitchen, Kitchen Kettle	15:19	11/5/2022					X							DW	X
4) 86	Wilson-14 Kitchen, food prep sink, across from kettle, kitchen faucet	15:24	11/5/2022					X							DW	X
5)															DW	
6)															DW	
7)															DW	
8)															DW	
9)															DW	
10)															DW	

Special Instructions:

REPORT RESULTS TO:

Arch Environmental Group

Attn: Jenna Sendra
PHONE:
FAX:
EMAIL: labs@archenvgroup.com

Sample received within holding time? yes ☐ no ☐
Temperature of samples °C:

pH verified in login? yes ☐ no ☐
Headspace/bubbles in VOA'S? yes ☐ no ☐ n/a ☐

Sample containers and COC match? yes ☐ no ☐

BILLING ADDRESS (IF REQUIRED)

Drinking Water:

Fax to LCHD? yes☐ no ☐
Chlorinated Water Supply? yes ☐ no ☐

MCL Failure yes ☐ no ☐
Client Notified (date/time/initials): _____

Please fill out the Chain of Custody completely and review. Incorrect or incomplete information will result in a "hold" on all analyses.

Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:	Trans. #	RELINQUISHED BY:	RECEIVED BY:	DATE:	TIME:
1		KK	11/9/22	12:15	3	KK		11/9/22	1:40
2					4				

Brighton Analytical L.L.C.

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 B3

Matrix Spike Lab ID: CS03282 Matrix: Total Analyst: LT

Metals	Matrix Spike - Precision *			Matrix Spike - Accuracy**				Miscellaneous***		
	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	748	769	2.8	1000	74.8	76.9	0	<1	93.0	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: _____