

Copper Results over the Action Level

January 6, 2022

To the Students, Families, and Staff of Westport Middle/High School:

During recent lead and copper sampling, some water taps at our school exceeded the Massachusetts and federal Action Level for copper in drinking water at schools and early education and child care facilities. MassDEP Action Level (AL) for copper in drinking water is 1.3 milligrams per liter (also known as parts per million). See results below:

Sampling Results			
Date Sample Collected	Location	Copper results in mg/L	Over Action Level
12/4/2021	Water cooler outside room 1530	2.03	X
12/4/2021	Teachers lunch room 1420	2.08	X
12/4/2021	Kitchen sink 3 bay north wall room 1455	1.94	X
12/4/2021	Water cooler outside room 1730	2.45	X
12/4/2021	Water cooler outside room 1284	2.37	X
12/4/2021	Water cooler outside room 1120	2.01	X
12/4/2021	Water cooler outside room 2730	2.35	X
12/4/2021	Water cooler outside room 2320	2.27	X
12/4/2021	Water cooler outside Room 2120	1.69	X

We would like to inform you about our plans to reduce potential exposure to copper in drinking water at our school. The administration takes these results very seriously and is moving immediately to safeguard the health of the students, faculty and staff. The following information describes steps we are taking to address the issue of lead and copper in the water.

To safeguard our students and other sensitive individuals (including woman who are pregnant or nursing), our school is working closely and cooperatively with MassDEP and others and taking actions as follows:

Install a water filtration system

What we are doing:

1. While exceeding the Action Level does not require provision of alternative drinking water sources, beginning Monday, January 10, 2022, we are providing bottled water and will be shutting down all bubblers or fixtures that exceeded the Copper AL.
2. We have removed from service all taps with copper levels over the Action Level.
3. We are implementing a public information process that will include distribution of outreach material to all students, parents, teachers, staff and local officials.

4. We have developed a sampling plan to conduct testing at outlets (faucets, water fountains, etc.) where students and staff get water for drinking, beverage preparation and cooking.
5. We are implementing a flushing and water usage plan to safeguard against copper exposure from drinking water in the school at outlets that are found to be above the Action Level for copper. This includes the daily flushing of water fountains and/or faucets at sinks and the limitation of water consumption to cold-water faucets for food and beverage preparation.
6. We will undertake efforts to determine the cause of this copper exceedance and evaluate the adequacy of our existing corrosion control system. We will develop and put into place a corrective action plan as quickly as possible following additional testing and consultation.
7. Through periodic reports, we will keep you informed as to the progress of our efforts. These reports will serve to let you know what has been done and what is being done to safeguard against copper exposure from drinking water at our Middle/High School.

Copper: The Maximum Contaminant Level Goal (MCLG)¹ is 1.3 mg/l. When copper is present in water, it is typically due to the water flowing through service line or internal pipes or plumbing in buildings with copper and brass parts. *Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.*

A Reminder: The water system at the school is not unlike water systems found in other buildings. Older plumbing systems and fixtures, especially, can contain lead pipes or solder that can allow lead to enter tap water. Plumbing systems also contain copper. If you have questions about lead or copper in your home's water supply, and are using a private well, you can have your water tested. If you are receiving water from a public water system (i.e., if you pay a water bill) you can call your local water department for information or check the Consumer Confidence Report sent out by the public water supplier annually.

If you have any questions on this information, please contact Randy Clarkson at 508-400-6681.

Sincerely,



Michael Duarte
Director of Maintenance

Modified from EPA's "3T's for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance"

¹ The Maximum Contaminant Level Goal (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. The Action Level is the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.



CERTIFICATE OF ANALYSIS

Michael Duarte
Westport School Complex
17 Main Road
Westport, MA 02790

Project Name: LCR
Work Order Number: A1L0171
Date Received: 12/06/2021

Sampled By: Randy Clarkson
Location: Water Cooler Outside Room 1530 LCCA

Date Sampled: 12/4/21 8:35
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-01</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.03
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
Location: Teachers Lunch Room 1420 LCCA

Date Sampled: 12/4/21 8:36
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-02</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.08
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
Location: Kitchen Sink 3 Bay North Wall 1455 LCCA

Date Sampled: 12/4/21 8:41
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-03</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	1.94
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
Location: Water Cooler Outside Room 1730 LCCA

Date Sampled: 12/4/21 8:42
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-04</u>		

CERTIFICATE OF ANALYSIS

Michael Duarte
 Westport School Complex
 17 Main Road
 Westport, MA 02790

Project Name: LCR
 Work Order Number: A1L0171
 Date Received: 12/06/2021

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 1730 LCCA

Date Sampled: 12/4/21 8:42
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-04</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.45
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 1284 LCCA

Date Sampled: 12/4/21 8:43
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-05</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.37
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 1120 LCCA

Date Sampled: 12/4/21 8:45
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-06</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.01
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 2730 LCCA

Date Sampled: 12/4/21 8:47
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-07</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.35



CERTIFICATE OF ANALYSIS

Michael Duarte
Westport School Complex
17 Main Road
Westport, MA 02790

Project Name: LCR
Work Order Number: A1L0171
Date Received: 12/06/2021

Sampled By: Randy Clarkson
Location: Water Cooler Outside Room 2730 LCCA

Date Sampled: 12/4/21 8:47
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-07</u>		
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
Location: Water Cooler Outside Room 2320 LCCA

Date Sampled: 12/4/21 8:49
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-08</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	2.27
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
Location: Water Cooler Outside Room 2120 LCCA

Date Sampled: 12/4/21 8:53
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-09</u>		
Copper	200.8	12/9/2021	mg/L	0.20	1.3 / 1.0 #	1.69
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
Location: Teachers Room Sink LCCA

Date Sampled: 12/4/21 9:21
Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-10</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.12
Lead	200.8	12/8/2021	mg/L	0.001	0.015	0.001

CERTIFICATE OF ANALYSIS

Michael Duarte
 Westport School Complex
 17 Main Road
 Westport, MA 02790

Project Name: LCR
 Work Order Number: A1L0171
 Date Received: 12/06/2021

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Teachers Room LCCA

Date Sampled: 12/4/21 9:22
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters						
LAB-ID#: A1L0171-11						
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.10
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Kitchen Sink 1 LCCA

Date Sampled: 12/4/21 9:23
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters						
LAB-ID#: A1L0171-12						
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.13
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 5 LCCA

Date Sampled: 12/4/21 9:25
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters						
LAB-ID#: A1L0171-13						
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.14
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 3 LCCA

Date Sampled: 12/4/21 9:26
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters						
LAB-ID#: A1L0171-14						
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	ND

CERTIFICATE OF ANALYSIS

Michael Duarte
 Westport School Complex
 17 Main Road
 Westport, MA 02790

Project Name: LCR
 Work Order Number: A1L0171
 Date Received: 12/06/2021

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 3 LCCA

Date Sampled: 12/4/21 9:26
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-14</u>		
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Nurses Office LCCA

Date Sampled: 12/4/21 9:27
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-15</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.20
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Nurses Office Sink LCCA

Date Sampled: 12/4/21 9:28
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-16</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.20
Lead	200.8	12/8/2021	mg/L	0.001	0.015	0.005

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 82 LCCA

Date Sampled: 12/4/21 9:30
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-17</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.27
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

CERTIFICATE OF ANALYSIS

Michael Duarte
 Westport School Complex
 17 Main Road
 Westport, MA 02790

Project Name: LCR
 Work Order Number: A1L0171
 Date Received: 12/06/2021

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 128 LCCA

Date Sampled: 12/4/21 9:31
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-18</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.15
Lead	200.8	12/8/2021	mg/L	0.001	0.015	0.003

Sampled By: Randy Clarkson
 Location: Water Cooler Outside Room 111 LCCA

Date Sampled: 12/4/21 9:33
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-19</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.22
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND

Sampled By: Randy Clarkson
 Location: Library Staff Kitchen Sink LCCA

Date Sampled: 12/4/21 9:10
 Matrix: Drinking Water

RESULTS OF ANALYSIS

Parameter	Analytical Method	Date Analyzed	Units	Det. Limit*	MCL/ Rec Limit#	Result
Test Parameters				LAB-ID#: <u>A1L0171-20</u>		
Copper	200.8	12/8/2021	mg/L	0.02	1.3 / 1.0 #	0.32
Lead	200.8	12/8/2021	mg/L	0.001	0.015	ND



CERTIFICATE OF ANALYSIS

Michael Duarte
Westport School Complex
17 Main Road
Westport, MA 02790

Project Name: LCR
Work Order Number: A1L0171
Date Received: 12/06/2021

NA = Not Applicable
ND = Not Detected
< = Less Than
> = Greater Than
* = Detection Limit
Rec Limit# = Recommended Limit

Approved By: Laural Hood

Work Order Narrative:

No unusual observations noted.

REVIEWED

By SLawler at 12:22 pm, Dec 13, 2021



ANALYTICAL
CORPORATION

CHAIN OF CUSTODY

A1L0171



12 West Grove Street
Middleboro, MA 02346
Phone: 508-946-2225
Fax: 508-946-3335
Lab I.D. #M-MA022

Client Name: Westport School Dept.
Address: 380, 400, 408 Old County Rd.
Westport, MA 02790
C-o-C# PWS#4334094
Project Name: Westport School Complex
Collected By: R. Clarkson/M. Duarte
Phone: 508-400-6681
Email: rclarkson4855@gmail.com
mduarte@westportschools.org

ANALYSIS REQUIRED

LAB ID	COLLECTION DATE	TIME	MATRIX	PRES.	COMP.	GRAB	STATION LOCATION
1	4-Dec	8:35 AM				✓	Water Cooler Outside Room 1530
2		8:36 AM				✓	Teachers' Lunch Room 1420
3		8:41 AM				✓	Kitchen Sink 3 Bay North Wall 1455
4		8:42 AM				✓	Water Cooler Outside Room 1730
5		8:43 AM				✓	Water Cooler Outside Room 1284
6		8:45 AM				✓	Water Cooler Outside Room 1120
7		8:47 AM				✓	Water Cooler Outside Room 2730
8		8:49 AM				✓	Water Cooler Outside Room 2320
9		8:53 AM				✓	Water Cooler Outside Room 2120
10		9:21 AM					Teachers' Room Sink

Lead & Copper

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT.

RELINQUISHED BY:

Randy Clarkson

RECEIVED BY:

Charles Duarte

RELINQUISHED BY:

RECEIVED FOR LABORATORY BY:

DATE 12/6/12
TIME 12:41

LAB COMMENTS

RW- REAGENT WATER
DW- DRINKING WATER
GW- GROUND WATER
SW- SURFACE WATER
SO- SOIL

MATRIX CODES

SE- SEDIMENT
SL- SLUDGE
HW- HAZARDOUS WASTE
WW- WASTE WATER
PW- POOL WATER

CONTAMINATION LEVEL

L- LOW
M- MEDIUM
H- HIGH
U- UNKNOWN

SHIPPING CONDITIONS: (circle one) Iced or Ambient
TEMPERATURE AT RECEIPT 72°F

TURN AROUND TIME (TAT)

NORMAL (7-10 Business Days)
* TAT begins when sample is received at testing facility.
* TAT for samples received after 4p.m. will begin on the next business day.
* All TAT's are subject to laboratory approval and customer consent.

CRW



Balance
CORPORATION

CHAIN OF CUSTODY

2/2

422 West Grove Street
Middleboro, MA 02346
Phone: 508-946-2225
Fax: 508-946-3335
Lab I.D. #M-MA022

Client Name:		Westport School Dept.		Project Name:		Westport School Complex	
Address:		380, 400, 408 Old County Rd. Westport, MA 02790		Collected By:		R. Clarkson/M. Duarte	
C-o-C#		PWS#4334094		Phone:		508-400-6681	
Email:		rclarson4855@gmail.com mduarte@westportschools.org		508-677-5872			
LAB ID	COLLECTION DATE	TIME	MATRIX	PRES.	COMP.	GRAB	STATION LOCATION
11	4-Dec	9:22AM				✓	Water Cooler Outside Teachers' Room
12		9:23AM				✓	Kitchen Sink 1
13		9:25AM				✓	Water Cooler Outside Room 5
14		9:26AM				✓	Water Cooler Outside Room 3
15		9:27AM				✓	Water Cooler Outside Nurse's Office
16		9:28AM				✓	Nurse's Office Sink
17		9:30AM				✓	Water Cooler Outside Room 82
18		9:31AM				✓	Water Cooler Outside Room 128
19		9:33AM				✓	Water Cooler Outside Room 111
20		9:10AM				✓	Library Staff Kitchen Sink

LAB RESERVES THE RIGHT TO RETURN UNUSED PORTIONS OF NON-AQUEOUS SAMPLES TO CLIENT.

RECEIVED BY: *Charles Watson*

RECEIVED FOR LABORATORY BY: *Charles Watson*

RELINQUISHED BY: *Emily A. Clarkson*

RELINQUISHED BY: *Charles Watson*

LAB COMMENTS	
DATE	TIME
12/6	12:48
DATE	TIME

SHIPPING CONDITIONS: (circle one) Iced or Ambient
TEMPERATURE AT RECEIPT *7.2* °C *OK To Run*

TURN AROUND TIME (TAT)
NORMAL (7-10 Business Days)
* TAT begins when sample is received at testing facility.
* TAT for samples received after 4p.m. will begin on the next business day.
* All TAT's are subject to laboratory approval and customer consent.

CONTAMINATION LEVEL

L- LOW
M- MEDIUM
H- HIGH
U- UNKNOWN

MATRIX CODES

SE- SEDIMENT
SL- SLUDGE
HW- HAZARDOUS WASTE
WW- WASTE WATER
PW- POOL WATER

RW- REAGENT WATER
DW- DRINKING WATER
GW- GROUND WATER
SW- SURFACE WATER
SO- SOIL