

POST-FILTER INSTALLATION SAMPLING RESULTS REPORT

Holmes STEM Academy



December 27, 2016

INTRODUCTION

During the month of March, 2016, the Department of Licensing and Regulatory Affairs (DLARA) completed replacement of drinking water fixtures at Holmes STEM Academy. These fixture replacements were required because testing results indicated that the older fixtures at most schools were imparting lead to the drinking water. After the fixtures were replaced, a more thorough flushing of the plumbing lines was completed to remove any remaining materials from the building's water supply system.

On Friday, April 8th, 2016, the DLARA and the Department of Environmental Quality (DEQ) conducted a post-fixture sampling assessment of the plumbing system at the facility.

For the protection of public health, DLARA started offering the installation of filters in Flint daycares and schools. This work began in July, 2016.

On Saturday, November 19th, 2016, the DLARA and the DEQ conducted a post-filter installation sampling to assess the quality of the water through the filters.

Water Main Description

An internal inspection of the building yielded a six-inch cast iron water main into the building that transitions to a three-inch galvanized water supply line. The supply line reduces to two and a half-inch copper piping distribution system.

SAMPLING METHODS

Fixture Sampling

There are 43 drinking water fixtures that were identified at the school. After a minimum six-hour stagnation period, four samples were collected at each of the fixtures identified. Two initial samples were collected immediately after turning on the tap. The water was then flushed for 30 seconds and a third sample was collected. Finally, the water was flushed for another two minutes, and the fourth sample was collected. These samples were used to determine the impact of any lead sources in and around each specific fixture and its connecting plumbing.

Deep Plumbing Sampling

A different sampling method is used to determine the impact of any lead sources located deep in the supply plumbing of the building. During this method, ten bottles are collected in a row (consecutively). These bottles are one liter in size, which is larger than those used for the fixture sampling method.

Sampling Notes

December 12, 2015

- One hundred and seventy-two samples from 43 fixtures were collected and sent to the lab for analysis.
- Fifty samples from five specific fixtures were collected to test the deeper part of the plumbing system and sent to the lab for analysis.

April 8, 2016

- One hundred and seventy-six samples from 44 fixtures were collected and sent to the lab for analysis.
- Fixture 01DW042 was changed to 01DW042A and a fixture next to it was added as 01DW042B.
- Fifty samples from five specific fixtures were collected to test the deeper part of the plumbing system and sent to the lab for analysis.

November 19, 2016

- Thirty-six samples from 36 fixtures were collected and sent to the lab for analysis. One 250 milliliter bottle was used at each fixture.
- Fixtures 01DW001 and 01DW002 were in the locker rooms. These two fixtures were eliminated.
- Fixtures 01DW006 through 01DW009 are drinking water bubblers in the cafeteria. At the time of sampling the filters were not yet installed so sampling was not conducted at these fixtures.

SAMPLING RESULTS

Pre-Fixture Replacement

December 12, 2015

Of the 222 samples:

- Lead Range: Non-Detected (ND) to 700 parts per billion (ppb)
- Copper Range: ND to 1,660 ppb

Post-Fixture Replacement

April 8, 2016

Of the 226 samples:

- Lead Range: ND to 2,084 ppb
- Copper Range: ND to 1,620 ppb

Post-Filter Installation

November 19, 2016

Of the 36 samples:

- Lead Range: ND to 3 ppb
- Copper Range: ND to 480 ppb

** Where the result is non-detected for lead it means that the amount of lead in the water was less than 1 ppb.*

** Where the result is non-detected for copper it means that the amount of copper in the water was less than 50 ppb.*

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	17	01DW001 BOY'S LOCKER ROOM	P1	Copper	190
Lead	12	01DW001 BOY'S LOCKER ROOM	P2	Copper	170
Lead	5	01DW001 BOY'S LOCKER ROOM	F01	Copper	140
Lead	5	01DW001 BOY'S LOCKER ROOM	F02	Copper	120
Lead	18	01DW002 GIRL'S LOCKER ROOM	P1	Copper	200
Lead	9	01DW002 GIRL'S LOCKER ROOM	P2	Copper	160
Lead	9	01DW002 GIRL'S LOCKER ROOM	F01	Copper	200
Lead	4	01DW002 GIRL'S LOCKER ROOM	F02	Copper	180
Lead	11	01DW003 HALLWAY BY GIRL'S LOCKER ROOM	P1	Copper	110
Lead	15	01DW003 HALLWAY BY GIRL'S LOCKER ROOM	P2	Copper	130
Lead	10	01DW003 HALLWAY BY GIRL'S LOCKER ROOM	F01	Copper	140
Lead	3	01DW003 HALLWAY BY GIRL'S LOCKER ROOM	F02	Copper	130
Lead	16	01DW004 HALL BY GIRL'S LOCKER ROOM	P1	Copper	180
Lead	4	01DW004 HALL BY GIRL'S LOCKER ROOM	P2	Copper	140
Lead	3	01DW004 HALL BY GIRL'S LOCKER ROOM	F01	Copper	130
Lead	2	01DW004 HALL BY GIRL'S LOCKER ROOM	F02	Copper	120
Lead	ND	01KC005 KITCHEN	P1	Copper	200
Lead	1	01KC005 KITCHEN	P2	Copper	770
Lead	5	01KC005 KITCHEN	F01	Copper	130
Lead	ND	01KC005 KITCHEN	F02	Copper	ND
Lead	22	01DW006 CAFETERIA	P1	Copper	380
Lead	20	01DW006 CAFETERIA	P2	Copper	850
Lead	5	01DW006 CAFETERIA	F01	Copper	680
Lead	4	01DW006 CAFETERIA	F02	Copper	730
Lead	15	01DW007 CAFETERIA	P1	Copper	640
Lead	5	01DW007 CAFETERIA	P2	Copper	750
Lead	4	01DW007 CAFETERIA	F01	Copper	730
Lead	4	01DW007 CAFETERIA	F02	Copper	730
Lead	47	01DW008 CAFETERIA	P1	Copper	440
Lead	8	01DW008 CAFETERIA	P2	Copper	670
Lead	6	01DW008 CAFETERIA	F01	Copper	750
Lead	17	01DW008 CAFETERIA	F02	Copper	690
Lead	22	01DW009 CAFETERIA	P1	Copper	640
Lead	16	01DW009 CAFETERIA	P2	Copper	660
Lead	13	01DW009 CAFETERIA	F01	Copper	660
Lead	8	01DW009 CAFETERIA	F02	Copper	530
Lead	2	01KC010 ROOM B110	P1	Copper	160
Lead	2	01KC010 ROOM B110	P2	Copper	1,320
Lead	ND	01KC010 ROOM B110	F01	Copper	90
Lead	ND	01KC010 ROOM B110	F02	Copper	70
Lead	2	01KC011 ROOM B110	P1	Copper	190

The result of non-detected (ND) means; for lead the amount in water is less than 1 pbb and for copper the amount in water is less than 50 pbb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	2	01KC011 ROOM B110	P2	Copper	580
Lead	ND	01KC011 ROOM B110	F01	Copper	90
Lead	ND	01KC011 ROOM B110	F02	Copper	70
Lead	4	01DW012 ROOM B110	P1	Copper	660
Lead	ND	01DW012 ROOM B110	P2	Copper	950
Lead	ND	01DW012 ROOM B110	F01	Copper	620
Lead	ND	01DW012 ROOM B110	F02	Copper	60
Lead	2	01CF013 ROOM B110	P1	Copper	120
Lead	1	01CF013 ROOM B110	P2	Copper	450
Lead	ND	01CF013 ROOM B110	F01	Copper	70
Lead	ND	01CF013 ROOM B110	F02	Copper	60
Lead	18	01DW014 ROOM B109	P1	Copper	610
Lead	2	01DW014 ROOM B109	P2	Copper	1,010
Lead	ND	01DW014 ROOM B109	F01	Copper	900
Lead	ND	01DW014 ROOM B109	F02	Copper	480
Lead	4	01CF015 ROOM B109	P1	Copper	180
Lead	2	01CF015 ROOM B109	P2	Copper	670
Lead	ND	01CF015 ROOM B109	F01	Copper	460
Lead	ND	01CF015 ROOM B109	F02	Copper	450
Lead	5	01KC016 ROOM B109	P1	Copper	260
Lead	4	01KC016 ROOM B109	P2	Copper	520
Lead	ND	01KC016 ROOM B109	F01	Copper	440
Lead	ND	01KC016 ROOM B109	F02	Copper	270
Lead	6	01KC017 ROOM B109	P1	Copper	160
Lead	4	01KC017 ROOM B109	P2	Copper	320
Lead	ND	01KC017 ROOM B109	F01	Copper	200
Lead	ND	01KC017 ROOM B109	F02	Copper	150
Lead	59	01DW018 ROOM B102	P1	Copper	90
Lead	35	01DW018 ROOM B102	P2	Copper	110
Lead	20	01DW018 ROOM B102	F01	Copper	60
Lead	4	01DW018 ROOM B102	F02	Copper	ND
Lead	4	01DW019 ROOM B102	P1	Copper	680
Lead	ND	01DW019 ROOM B102	P2	Copper	650
Lead	ND	01DW019 ROOM B102	F01	Copper	470
Lead	ND	01DW019 ROOM B102	F02	Copper	250
Lead	ND	01CF020 ROOM B102	P1	Copper	210
Lead	ND	01CF020 ROOM B102	P2	Copper	530
Lead	ND	01CF020 ROOM B102	F01	Copper	470
Lead	ND	01CF020 ROOM B102	F02	Copper	60
Lead	2	01KC021 ROOM B102	P1	Copper	330
Lead	2	01KC021 ROOM B102	P2	Copper	750

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb and for copper the amount in water is less than 50 ppb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	01KC021 ROOM B102	F01	Copper	110
Lead	ND	01KC021 ROOM B102	F02	Copper	70
Lead	1	01KC022 ROOM B102	P1	Copper	340
Lead	2	01KC022 ROOM B102	P2	Copper	530
Lead	ND	01KC022 ROOM B102	F01	Copper	80
Lead	ND	01KC022 ROOM B102	F02	Copper	60
Lead	5	01DW023 ROOM B105	P1	Copper	240
Lead	2	01DW023 ROOM B105	P2	Copper	190
Lead	ND	01DW023 ROOM B105	F01	Copper	140
Lead	ND	01DW023 ROOM B105	F02	Copper	80
Lead	2	01CF024 ROOM B105	P1	Copper	130
Lead	5	01CF024 ROOM B105	P2	Copper	180
Lead	ND	01CF024 ROOM B105	F01	Copper	80
Lead	ND	01CF024 ROOM B105	F02	Copper	60
Lead	4	01KC025 ROOM B105	P1	Copper	370
Lead	2	01KC025 ROOM B105	P2	Copper	710
Lead	ND	01KC025 ROOM B105	F01	Copper	80
Lead	ND	01KC025 ROOM B105	F02	Copper	70
Lead	4	01KC026 ROOM B105	P1	Copper	150
Lead	3	01KC026 ROOM B105	P2	Copper	510
Lead	ND	01KC026 ROOM B105	F01	Copper	70
Lead	ND	01KC026 ROOM B105	F02	Copper	60
Lead	6	01DW027 ROOM B114	P1	Copper	780
Lead	7	01DW027 ROOM B114	P2	Copper	260
Lead	1	01DW027 ROOM B114	F01	Copper	110
Lead	ND	01DW027 ROOM B114	F02	Copper	ND
Lead	7	01CF028 ROOM B114	P1	Copper	130
Lead	2	01CF028 ROOM B114	P2	Copper	90
Lead	ND	01CF028 ROOM B114	F01	Copper	ND
Lead	ND	01CF028 ROOM B114	F02	Copper	ND
Lead	7	01KC029 ROOM B114	P1	Copper	130
Lead	3	01KC029 ROOM B114	P2	Copper	1,660
Lead	ND	01KC029 ROOM B114	F01	Copper	100
Lead	ND	01KC029 ROOM B114	F02	Copper	ND
Lead	4	01KC030 ROOM B114	P1	Copper	130
Lead	3	01KC030 ROOM B114	P2	Copper	450
Lead	ND	01KC030 ROOM B114	F01	Copper	ND
Lead	ND	01KC030 ROOM B114	F02	Copper	ND
Lead	19	01DW031 COMMUNITY ROOM	P1	Copper	1,040
Lead	77	01DW031 COMMUNITY ROOM	P2	Copper	620
Lead	4	01DW031 COMMUNITY ROOM	F01	Copper	140

The result of non-detected (ND) means; for lead the amount in water is less than 1 pbb and for copper the amount in water is less than 50 pbb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	3	01DW031 COMMUNITY ROOM	F02	Copper	70
Lead	34	01CF032 COMMUNITY ROOM	P1	Copper	180
Lead	15	01CF032 COMMUNITY ROOM	P2	Copper	130
Lead	4	01CF032 COMMUNITY ROOM	F01	Copper	60
Lead	4	01CF032 COMMUNITY ROOM	F02	Copper	ND
Lead	700	01KC033 COMMUNITY ROOM	P1	Copper	360
Lead	181	01KC033 COMMUNITY ROOM	P2	Copper	1,470
Lead	10	01KC033 COMMUNITY ROOM	F01	Copper	140
Lead	2	01KC033 COMMUNITY ROOM	F02	Copper	60
Lead	21	01KC034 COMMUNITY ROOM	P1	Copper	340
Lead	10	01KC034 COMMUNITY ROOM	P2	Copper	790
Lead	3	01KC034 COMMUNITY ROOM	F01	Copper	90
Lead	1	01KC034 COMMUNITY ROOM	F02	Copper	50
Lead	12	01DW035 HALL	P1	Copper	100
Lead	2	01DW035 HALL	P2	Copper	110
Lead	2	01DW035 HALL	F01	Copper	ND
Lead	ND	01DW035 HALL	F02	Copper	ND
Lead	15	01KC036 MAIN OFFICE	P1	Copper	200
Lead	15	01KC036 MAIN OFFICE	P2	Copper	120
Lead	2	01KC036 MAIN OFFICE	F01	Copper	ND
Lead	ND	01KC036 MAIN OFFICE	F02	Copper	ND
Lead	32	01KC037 SUPPLY ROOM	P1	Copper	120
Lead	31	01KC037 SUPPLY ROOM	P2	Copper	150
Lead	8	01KC037 SUPPLY ROOM	F01	Copper	190
Lead	2	01KC037 SUPPLY ROOM	F02	Copper	200
Lead	11	01DW038 YELLOW HALL BY GIRL'S RESTROOM	P1	Copper	110
Lead	3	01DW038 YELLOW HALL BY GIRL'S RESTROOM	P2	Copper	60
Lead	ND	01DW038 YELLOW HALL BY GIRL'S RESTROOM	F01	Copper	ND
Lead	ND	01DW038 YELLOW HALL BY GIRL'S RESTROOM	F02	Copper	ND
Lead	15	01DW039 RED HALL BY BOY'S RESTROOM	P1	Copper	150
Lead	5	01DW039 RED HALL BY BOY'S RESTROOM	P2	Copper	90
Lead	2	01DW039 RED HALL BY BOY'S RESTROOM	F01	Copper	ND
Lead	ND	01DW039 RED HALL BY BOY'S RESTROOM	F02	Copper	ND
Lead	3	01WC040 RED HALL	P1	Copper	140
Lead	2	01WC040 RED HALL	P2	Copper	180
Lead	3	01WC040 RED HALL	F01	Copper	200
Lead	1	01WC040 RED HALL	F02	Copper	90
Lead	11	01WC041 RED HALL	P1	Copper	100
Lead	2	01WC041 RED HALL	P2	Copper	100
Lead	1	01WC041 RED HALL	F01	Copper	90
Lead	ND	01WC041 RED HALL	F02	Copper	70

The result of non-detected (ND) means; for lead the amount in water is less than 1 pbb and for copper the amount in water is less than 50 pbb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	24	01DW042 GREEN HALL	P1	Copper	160
Lead	17	01DW042 GREEN HALL	P2	Copper	140
Lead	4	01DW042 GREEN HALL	F01	Copper	70
Lead	3	01DW042 GREEN HALL	F02	Copper	60
Lead	ND	01WC043 BLUE HALL	P1	Copper	220
Lead	ND	01WC043 BLUE HALL	P2	Copper	290
Lead	2	01WC043 BLUE HALL	F01	Copper	290
Lead	ND	01WC043 BLUE HALL	F02	Copper	130
Lead	2	01KC005 KITCHEN	CA1	Copper	250
Lead	3	01KC005 KITCHEN	CA2	Copper	100
Lead	ND	01KC005 KITCHEN	CA3	Copper	50
Lead	ND	01KC005 KITCHEN	CA4	Copper	ND
Lead	ND	01KC005 KITCHEN	CA5	Copper	ND
Lead	ND	01KC005 KITCHEN	CA6	Copper	ND
Lead	ND	01KC005 KITCHEN	CA7	Copper	ND
Lead	ND	01KC005 KITCHEN	CA8	Copper	ND
Lead	ND	01KC005 KITCHEN	CA9	Copper	ND
Lead	ND	01KC005 KITCHEN	CA10	Copper	ND
Lead	ND	01CF024 ROOM B105	CB1	Copper	150
Lead	ND	01CF024 ROOM B105	CB2	Copper	160
Lead	ND	01CF024 ROOM B105	CB3	Copper	120
Lead	ND	01CF024 ROOM B105	CB4	Copper	120
Lead	ND	01CF024 ROOM B105	CB5	Copper	110
Lead	ND	01CF024 ROOM B105	CB6	Copper	90
Lead	ND	01CF024 ROOM B105	CB7	Copper	80
Lead	ND	01CF024 ROOM B105	CB8	Copper	80
Lead	ND	01CF024 ROOM B105	CB9	Copper	90*
Lead	ND	01CF024 ROOM B105	CB10	Copper	110
Lead	14	01CF032 COMMUNITY ROOM	CC1	Copper	130
Lead	2	01CF032 COMMUNITY ROOM	CC2	Copper	60
Lead	2	01CF032 COMMUNITY ROOM	CC3	Copper	ND
Lead	2	01CF032 COMMUNITY ROOM	CC4	Copper	ND
Lead	1	01CF032 COMMUNITY ROOM	CC5	Copper	ND
Lead	1	01CF032 COMMUNITY ROOM	CC6	Copper	ND
Lead	1	01CF032 COMMUNITY ROOM	CC7	Copper	ND
Lead	1	01CF032 COMMUNITY ROOM	CC8	Copper	ND
Lead	1	01CF032 COMMUNITY ROOM	CC9	Copper	ND
Lead	1	01CF032 COMMUNITY ROOM	CC10	Copper	ND
Lead	1	01WC041 RED HALL	CE1	Copper	120
Lead	1	01WC041 RED HALL	CE2	Copper	110

* Copper quality control results were outside allowed limits due to matrix interference

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb and for copper the amount in water is less than 50 ppb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	1	01WC041 RED HALL	CE3	Copper	90
Lead	1	01WC041 RED HALL	CE4	Copper	80
Lead	1	01WC041 RED HALL	CE5	Copper	70
Lead	ND	01WC041 RED HALL	CE6	Copper	70
Lead	ND	01WC041 RED HALL	CE7	Copper	60
Lead	ND	01WC041 RED HALL	CE8	Copper	60
Lead	ND	01WC041 RED HALL	CE9	Copper	50
Lead	1	01WC041 RED HALL	CE10	Copper	50
Lead	ND	01WC043 BLUE HALL	CF1	Copper	170
Lead	ND	01WC043 BLUE HALL	CF2	Copper	140
Lead	ND	01WC043 BLUE HALL	CF3	Copper	100
Lead	ND	01WC043 BLUE HALL	CF4	Copper	90
Lead	ND	01WC043 BLUE HALL	CF5	Copper	70
Lead	ND	01WC043 BLUE HALL	CF6	Copper	60
Lead	ND	01WC043 BLUE HALL	CF7	Copper	60
Lead	ND	01WC043 BLUE HALL	CF8	Copper	50
Lead	ND	01WC043 BLUE HALL	CF9	Copper	ND
Lead	ND	01WC043 BLUE HALL	CF10	Copper	ND

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb and for copper the amount in water is less than 50 ppb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	2,027	DW001 BOY'S LOCKER ROOM	P1	Copper	180
Lead	362	DW001 BOY'S LOCKER ROOM	P2	Copper	200
Lead	24	DW001 BOY'S LOCKER ROOM	F01	Copper	160
Lead	7	DW001 BOY'S LOCKER ROOM	F02	Copper	140
Lead	615	DW002 GIRL'S LOCKER ROOM	P1	Copper	360
Lead	21	DW002 GIRL'S LOCKER ROOM	P2	Copper	170
Lead	6	DW002 GIRL'S LOCKER ROOM	F01	Copper	ND
Lead	5	DW002 GIRL'S LOCKER ROOM	F02	Copper	ND
Lead	18	DW003 HALL ACROSS GIRL'S LOCKERS	P1	Copper	210
Lead	16	DW003 HALL ACROSS GIRL'S LOCKERS	P2	Copper	140
Lead	15	DW003 HALL ACROSS GIRL'S LOCKERS	F01	Copper	140
Lead	2	DW003 HALL ACROSS GIRL'S LOCKERS	F02	Copper	ND
Lead	8	DW004 HALL ACROSS GIRL'S LOCKERS	P1	Copper	200
Lead	4	DW004 HALL ACROSS GIRL'S LOCKERS	P2	Copper	ND
Lead	2	DW004 HALL ACROSS GIRL'S LOCKERS	F01	Copper	ND
Lead	2	DW004 HALL ACROSS GIRL'S LOCKERS	F02	Copper	ND
Lead	ND	KC005 KITCHEN	P1	Copper	130
Lead	ND	KC005 KITCHEN	P2	Copper	570
Lead	4	KC005 KITCHEN	F01	Copper	140
Lead	ND	KC005 KITCHEN	F02	Copper	ND
Lead	36	DW006 CAFETERIA	P1	Copper	600
Lead	40	DW006 CAFETERIA	P2	Copper	1,620
Lead	4	DW006 CAFETERIA	F01	Copper	980
Lead	3	DW006 CAFETERIA	F02	Copper	360
Lead	227	DW007 CAFETERIA	P1	Copper	600
Lead	16	DW007 CAFETERIA	P2	Copper	570
Lead	4	DW007 CAFETERIA	F01	Copper	350
Lead	4	DW007 CAFETERIA	F02	Copper	300
Lead	76	DW008 CAFETERIA	P1	Copper	490
Lead	30	DW008 CAFETERIA	P2	Copper	740
Lead	5	DW008 CAFETERIA	F01	Copper	200
Lead	4	DW008 CAFETERIA	F02	Copper	160
Lead	15	DW009 CAFETERIA	P1	Copper	260
Lead	5	DW009 CAFETERIA	P2	Copper	160
Lead	4	DW009 CAFETERIA	F01	Copper	150
Lead	4	DW009 CAFETERIA	F02	Copper	150
Lead	3	KC010 ROOM B110	P1	Copper	420
Lead	ND	KC010 ROOM B110	P2	Copper	580
Lead	ND	KC010 ROOM B110	F01	Copper	370
Lead	ND	KC010 ROOM B110	F02	Copper	100
Lead	2	KC011 ROOM B110	P1	Copper	300
Lead	ND	KC011 ROOM B110	P2	Copper	140
Lead	ND	KC011 ROOM B110	F01	Copper	90
Lead	ND	KC011 ROOM B110	F02	Copper	80
Lead	5	DW012 ROOM B110	P1	Copper	230

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb, for copper the amount in water is less than 50 ppb.

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April 8, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	DW012 ROOM B110	P2	Copper	100
Lead	ND	DW012 ROOM B110	F01	Copper	90
Lead	ND	DW012 ROOM B110	F02	Copper	80
Lead	3	CF013 ROOM B110	P1	Copper	260
Lead	ND	CF013 ROOM B110	P2	Copper	120
Lead	ND	CF013 ROOM B110	F01	Copper	90
Lead	ND	CF013 ROOM B110	F02	Copper	80
Lead	1	DW014 ROOM B109	P1	Copper	580
Lead	ND	DW014 ROOM B109	P2	Copper	600
Lead	ND	DW014 ROOM B109	F01	Copper	600
Lead	ND	DW014 ROOM B109	F02	Copper	390
Lead	4	CF015 ROOM B109	P1	Copper	480
Lead	ND	CF015 ROOM B109	P2	Copper	610
Lead	ND	CF015 ROOM B109	F01	Copper	420
Lead	ND	CF015 ROOM B109	F02	Copper	410
Lead	2	KC016 ROOM B109	P1	Copper	340
Lead	ND	KC016 ROOM B109	P2	Copper	710
Lead	ND	KC016 ROOM B109	F01	Copper	370
Lead	ND	KC016 ROOM B109	F02	Copper	190
Lead	4	KC017 ROOM B109	P1	Copper	370
Lead	ND	KC017 ROOM B109	P2	Copper	200
Lead	ND	KC017 ROOM B109	F01	Copper	180
Lead	ND	KC017 ROOM B109	F02	Copper	150
Lead	203	DW018 ROOM B102	P1	Copper	270
Lead	25	DW018 ROOM B102	P2	Copper	300
Lead	6	DW018 ROOM B102	F01	Copper	60
Lead	2	DW018 ROOM B102	F02	Copper	ND
Lead	11	CF020 ROOM B102	P1	Copper	760
Lead	ND	CF020 ROOM B102	P2	Copper	310
Lead	ND	CF020 ROOM B102	F01	Copper	230
Lead	ND	CF020 ROOM B102	F02	Copper	70
Lead	16	KC021 ROOM B102	P1	Copper	1,080
Lead	3	KC021 ROOM B102	P2	Copper	510
Lead	ND	KC021 ROOM B102	F01	Copper	470
Lead	2	KC021 ROOM B102	F02	Copper	330
Lead	1	KC022 ROOM B102	P1	Copper	380
Lead	ND	KC022 ROOM B102	P2	Copper	370
Lead	ND	KC022 ROOM B102	F01	Copper	90
Lead	ND	KC022 ROOM B102	F02	Copper	60
Lead	26	DW023 ROOM B105	P1	Copper	430
Lead	ND	DW023 ROOM B105	P2	Copper	480
Lead	ND	DW023 ROOM B105	F01	Copper	450
Lead	ND	DW023 ROOM B105	F02	Copper	140
Lead	3	CF024 ROOM B105	P1	Copper	410
Lead	7	CF024 ROOM B105	P2	Copper	350

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb, for copper the amount in water is less than 50 ppb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	CF024 ROOM B105	F01	Copper	120
Lead	ND	CF024 ROOM B105	F02	Copper	90
Lead	4	KC025 ROOM B105	P1	Copper	520
Lead	ND	KC025 ROOM B105	P2	Copper	980
Lead	ND	KC025 ROOM B105	F01	Copper	110
Lead	ND	KC025 ROOM B105	F02	Copper	80
Lead	5	KC026 ROOM B105	P1	Copper	260
Lead	ND	KC026 ROOM B105	P2	Copper	100
Lead	ND	KC026 ROOM B105	F01	Copper	80
Lead	ND	KC026 ROOM B105	F02	Copper	60
Lead	3	DW027 ROOM B114	P1	Copper	330
Lead	2	DW027 ROOM B114	P2	Copper	180
Lead	ND	DW027 ROOM B114	F01	Copper	120
Lead	ND	DW027 ROOM B114	F02	Copper	ND
Lead	3	CF028 ROOM B114	P1	Copper	270
Lead	ND	CF028 ROOM B114	P2	Copper	ND
Lead	ND	CF028 ROOM B114	F01	Copper	ND
Lead	ND	CF028 ROOM B114	F02	Copper	ND
Lead	7	KC029 ROOM B114	P1	Copper	520
Lead	2	KC029 ROOM B114	P2	Copper	510
Lead	ND	KC029 ROOM B114	F01	Copper	ND
Lead	ND	KC029 ROOM B114	F02	Copper	ND
Lead	2	KC030 ROOM B114	P1	Copper	1,350
Lead	ND	KC030 ROOM B114	P2	Copper	90
Lead	ND	KC030 ROOM B114	F01	Copper	ND
Lead	ND	KC030 ROOM B114	F02	Copper	ND
Lead	18	DW031 COMMUNITY ROOM	P1	Copper	340
Lead	23	DW031 COMMUNITY ROOM	P2	Copper	220
Lead	3	DW031 COMMUNITY ROOM	F01	Copper	80
Lead	1	DW031 COMMUNITY ROOM	F02	Copper	70
Lead	12	CF032 COMMUNITY ROOM	P1	Copper	320
Lead	2	CF032 COMMUNITY ROOM	P2	Copper	90
Lead	ND	CF032 COMMUNITY ROOM	F01	Copper	60
Lead	ND	CF032 COMMUNITY ROOM	F02	Copper	ND
Lead	3	KC033 COMMUNITY ROOM	P1	Copper	810
Lead	2	KC033 COMMUNITY ROOM	P2	Copper	1,240
Lead	1	KC033 COMMUNITY ROOM	F01	Copper	90
Lead	ND	KC033 COMMUNITY ROOM	F02	Copper	ND
Lead	7	KC034 COMMUNITY ROOM	P1	Copper	470
Lead	ND	KC034 COMMUNITY ROOM	P2	Copper	80
Lead	ND	KC034 COMMUNITY ROOM	F01	Copper	ND
Lead	ND	KC034 COMMUNITY ROOM	F02	Copper	ND
Lead	118	DW035 HALL NEAR COMMUNITY ROOM	P1	Copper	160
Lead	16	DW035 HALL NEAR COMMUNITY ROOM	P2	Copper	110
Lead	1	DW035 HALL NEAR COMMUNITY ROOM	F01	Copper	ND

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb, for copper the amount in water is less than 50 ppb.

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Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	DW035 HALL NEAR COMMUNITY ROOM	F02	Copper	ND
Lead	352	DW035A NEXT TO DW035	P1	Copper	150
Lead	22	DW035A NEXT TO DW035	P2	Copper	ND
Lead	6	DW035A NEXT TO DW035	F01	Copper	ND
Lead	ND	DW035A NEXT TO DW035	F02	Copper	ND
Lead	2,084	KC036 MAIN OFFICE	P1	Copper	660
Lead	673	KC036 MAIN OFFICE	P2	Copper	500
Lead	8	KC036 MAIN OFFICE	F01	Copper	270
Lead	16	KC036 MAIN OFFICE	F02	Copper	300
Lead	74	KC037 SUPPLY ROOM	P1	Copper	520
Lead	43	KC037 SUPPLY ROOM	P2	Copper	320
Lead	9	KC037 SUPPLY ROOM	F01	Copper	210
Lead	ND	KC037 SUPPLY ROOM	F02	Copper	140
Lead	59	DW038 YELLOW HALL BY GIRL'S RESTROOM	P1	Copper	160
Lead	5	DW038 YELLOW HALL BY GIRL'S RESTROOM	P2	Copper	80
Lead	1	DW038 YELLOW HALL BY GIRL'S RESTROOM	F01	Copper	ND
Lead	ND	DW038 YELLOW HALL BY GIRL'S RESTROOM	F02	Copper	ND
Lead	69	DW039 RED HALL BY BOY'S RESTROOM	P1	Copper	340
Lead	17	DW039 RED HALL BY BOY'S RESTROOM	P2	Copper	110
Lead	1	DW039 RED HALL BY BOY'S RESTROOM	F01	Copper	ND
Lead	ND	DW039 RED HALL BY BOY'S RESTROOM	F02	Copper	ND
Lead	ND	WC040 RED HALL	P1	Copper	150
Lead	ND	WC040 RED HALL	P2	Copper	270
Lead	ND	WC040 RED HALL	F01	Copper	270
Lead	ND	WC040 RED HALL	F02	Copper	110
Lead	ND	WC041 RED HALL	P1	Copper	110
Lead	ND	WC041 RED HALL	P2	Copper	100
Lead	ND	WC041 RED HALL	F01	Copper	90
Lead	ND	WC041 RED HALL	F02	Copper	100
Lead	391	DW042A GREEN HALL	P1	Copper	250
Lead	57	DW042A GREEN HALL	P2	Copper	140
Lead	5	DW042A GREEN HALL	F01	Copper	70
Lead	2	DW042A GREEN HALL	F02	Copper	ND
Lead	196	DW042B BLUE HALL RIGHT OF GIRL'S ROOM	P1	Copper	170
Lead	22	DW042B BLUE HALL RIGHT OF GIRL'S ROOM	P2	Copper	100
Lead	6	DW042B BLUE HALL RIGHT OF GIRL'S ROOM	F01	Copper	ND
Lead	1	DW042B BLUE HALL RIGHT OF GIRL'S ROOM	F02	Copper	ND
Lead	ND	WC043 BLUE HALL	P1	Copper	1,220
Lead	ND	WC043 BLUE HALL	P2	Copper	1,180
Lead	2	WC043 BLUE HALL	F01	Copper	880
Lead	ND	WC043 BLUE HALL	F02	Copper	140
Lead	9	KC005 KITCHEN	A1	Copper	220
Lead	1	KC005 KITCHEN	A2	Copper	80
Lead	ND	KC005 KITCHEN	A3	Copper	ND
Lead	ND	KC005 KITCHEN	A4	Copper	ND

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb, for copper the amount in water is less than 50 ppb.

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April 8, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	KC005 KITCHEN	A5	Copper	ND
Lead	ND	KC005 KITCHEN	A6	Copper	ND
Lead	ND	KC005 KITCHEN	A7	Copper	ND
Lead	ND	KC005 KITCHEN	A8	Copper	ND
Lead	ND	KC005 KITCHEN	A9	Copper	ND
Lead	ND	KC005 KITCHEN	A10	Copper	ND
Lead	ND	CF024 ROOM B105	B1	Copper	240
Lead	ND	CF024 ROOM B105	B2	Copper	280
Lead	6	CF024 ROOM B105	B3	Copper	550
Lead	5	CF024 ROOM B105	B4	Copper	240
Lead	ND	CF024 ROOM B105	B5	Copper	190
Lead	ND	CF024 ROOM B105	B6	Copper	130
Lead	ND	CF024 ROOM B105	B7	Copper	90
Lead	ND	CF024 ROOM B105	B8	Copper	80
Lead	ND	CF024 ROOM B105	B9	Copper	70
Lead	ND	CF024 ROOM B105	B10	Copper	70
Lead	2	CF032 COMMUNITY ROOM	C1	Copper	110
Lead	ND	CF032 COMMUNITY ROOM	C2	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C3	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C4	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C5	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C6	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C7	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C8	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C9	Copper	ND
Lead	ND	CF032 COMMUNITY ROOM	C10	Copper	ND
Lead	ND	WC043 BLUE HALL	D1	Copper	250
Lead	ND	WC043 BLUE HALL	D2	Copper	90
Lead	ND	WC043 BLUE HALL	D3	Copper	70
Lead	ND	WC043 BLUE HALL	D4	Copper	70
Lead	ND	WC043 BLUE HALL	D5	Copper	60
Lead	ND	WC043 BLUE HALL	D6	Copper	60
Lead	ND	WC043 BLUE HALL	D7	Copper	50
Lead	ND	WC043 BLUE HALL	D8	Copper	50
Lead	ND	WC043 BLUE HALL	D9	Copper	50
Lead	ND	WC043 BLUE HALL	D10	Copper	ND
Lead	ND	WC041 RED HALL	E1	Copper	120
Lead	ND	WC041 RED HALL	E2	Copper	120
Lead	ND	WC041 RED HALL	E3	Copper	100
Lead	ND	WC041 RED HALL	E4	Copper	80
Lead	5	WC041 RED HALL	E5	Copper	70
Lead	ND	WC041 RED HALL	E6	Copper	60
Lead	ND	WC041 RED HALL	E7	Copper	60
Lead	ND	WC041 RED HALL	E8	Copper	60
Lead	ND	WC041 RED HALL	E9	Copper	60
Lead	ND	WC041 RED HALL	E10	Copper	60

The result of non-detected (ND) means; for lead the amount in water is less than 1 ppb, for copper the amount in water is less than 50 ppb.

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November 19, 2016

Lead	Result (ppb)	Sample Description	Site Code	Copper	Result (ppb)
Lead	ND	01DW003 ACROSS FROM GIRL'S LOCKER	P1	Copper	ND
Lead	ND	01DW004 ACROSS FROM GIRL'S LOCKER	P1	Copper	ND
Lead	ND	01KC010 ROOM B110	P1	Copper	ND
Lead	ND	01KC011 ROOM B110	P1	Copper	ND
Lead	ND	01DW012 ROOM B110	P1	Copper	ND
Lead	ND	01CF013 ROOM B110	P1	Copper	ND
Lead	ND	01DW014 ROOM B109	P1	Copper	ND
Lead	ND	01CF015 ROOM B109	P1	Copper	ND
Lead	ND	01KC016 ROOM B109	P1	Copper	ND
Lead	ND	01KC017 ROOM B109	P1	Copper	ND
Lead	1	01DW019 ROOM B102	P1	Copper	ND
Lead	ND	01CF020 ROOM B102	P1	Copper	ND
Lead	ND	01KC021 ROOM B102	P1	Copper	ND
Lead	ND	01KC022 ROOM B102	P1	Copper	ND
Lead	ND	01DW023 ROOM B105	P1	Copper	ND
Lead	ND	01CF024 ROOM B105	P1	Copper	ND
Lead	ND	01KC025 ROOM B105	P1	Copper	ND
Lead	ND	01KC026 ROOM B105	P1	Copper	ND
Lead	1	01DW027 ROOM B114	P1	Copper	ND
Lead	ND	01CF028 ROOM B114	P1	Copper	ND
Lead	ND	01KC029 ROOM B114	P1	Copper	ND
Lead	ND	01KC030 ROOM B114	P1	Copper	ND
Lead	3	01DW031 COMMUNITY ROOM	P1	Copper	ND
Lead	ND	01CF032 COMMUNITY ROOM	P1	Copper	ND
Lead	ND	01KC033 COMMUNITY ROOM	P1	Copper	ND
Lead	ND	01KC034 COMMUNITY ROOM	P1	Copper	ND
Lead	ND	01DW035 ACROSS COMMUNITY ROOM	P1	Copper	60
Lead	ND	01DW035B ACROSS COMMUNITY ROOM	P1	Copper	70
Lead	ND	01KC036 MAIN OFFICE	P1	Copper	ND
Lead	ND	01KC037 SUPPLY ROOM	P1	Copper	ND
Lead	ND	01DW038 YELLOW HALL BY GIRL'S RESTROOM	P1	Copper	330
Lead	ND	01DW039 RED HALL BY BOY'S RESTROOM	P1	Copper	350
Lead	ND	01WC040 RED HALL	P1	Copper	480
Lead	ND	01WC041 RED HALL	P1	Copper	70
Lead	ND	01DW042 GREEN HALL	P1	Copper	390
Lead	ND	01WC043 BLUE HALL	P1	Copper	360

Non-detected (ND) means; for lead the amount in water is less than 1 ppb and for copper the amount in water is less than 50 ppb.