



# Lead and copper water testing 2018

JULY 6, 2018

UPDATED 8-30-18

# Lead and copper standards

- ▶ Lead

- ▶ U.S. Environmental protection Agency & MDEQ 15 ppb (0.015 mg/L)

- ▶ Copper

- ▶ Michigan DEQ & U.S. EPA 1300 ppb (1.3 mg/L)

- ▶ 1 ppb = 0.001 mg/L

- ▶ All sampling and testing procedures were performed in accordance with the MDEQ Guidance on drinking water sampling for lead and copper at schools and daycares on community water supplies (ver. 3.0, August 1, 2016)

# Derby Middle School

- ▶ 174 water sources tested
- ▶ 12 positive test results
- ▶ 2 positive results in *drinking specific* fixtures
- ▶ 0 positive results in foodservice kitchen area
- ▶ 0 positive results in large volume samples

# Science Room / Lab Faucets

Science lab faucets are not required by the EPA rules or building codes to meet any lead free regulations.

Birmingham Public Schools has installed one very different looking faucet, that meets all lead free qualifications, in each science classroom in the district.

Students and staff have a clean, tested water source where they can freely and safely use the water for drinking in each of these areas.

All of the other sinks in these areas have been clearly labeled with a durable sign reading "Not Drinking Water".



# D80-DF Room 112

Copper	<b>1.6 mg/L</b>	0.41 mg/L
Lead	<0.0010 mg/L	0.0010 mg/L

Shut off for repair 7-6-18. Fixture remediated and aerator replaced. Returned to service 8-30-18.



# D81-DF Room 111

Copper	<b>1.5 mg/L</b>	0.39 mg/L
Lead	<0.0010 mg/L	0.0038 mg/L

Shut off for repair 7-6-18. Fixture remediated and aerator replaced. Returned to service 8-30-18.



# D84-KF

## Office copy room, left

Copper	0.55 mg/L	0.27 mg/L
Lead	<b>0.059 mg/L</b>	<0.0010 mg/L

Signed as “not drinking water” for repair 7-6-18. Fixture remediated and aerator replaced. Returned to service 8-30-18.



# D98-BF

## Mens by Athletics, left

Copper 1.2 mg/L

Lead **0.017 mg/L**

Permanently signed as "Not Drinking Water" 8-8-18





D115-BF, D116-BF,  
D117-BF  
Girls by 200, all three

Copper 1) 2.9 mg/L 2) 1.9 mg/L 3) 3.3 mg/L

Lead 1) 0.021 mg/L 2) 0.013 mg/L 3) 0.024 mg/L

Permanently signed as "Not Drinking Water" 8-8-18



# D118-BF, D120-BF Boys by 200, left & right

Copper 1) 1.5 mg/L 2) 1.9 mg/L

Lead 1) 0.0097 mg/L 2) 0.011 mg/L

Permanently signed as "Not Drinking Water" 8-8-18



D123-KF  
2<sup>nd</sup> floor teachers  
lounge, left

Copper	0.87 mg/L	0.23 mg/L
Lead	<b>0.043 mg/L</b>	0.0031 mg/L

Signed as “not drinking water” for repair 7-6-18. Fixture remediated and aerator replaced. Returned to service 8-30-18.



# D128-KF Room 208/209

Copper	0.66 mg/L	0.23 mg/L
Lead	<b>0.028 mg/L</b>	0.0043 mg/L

Signed as “not drinking water” for repair 7-6-18. Fixture, valves and supply lines replaced. Returned to service 8-30-18.



# D145-CF Room 118

Copper **2.0 mg/L**

Lead **0.065 mg/L**



Permanently signed as "Not Drinking Water" 7-6-18