



# Lead and copper water testing 2018

MAY 29, 2018

UPDATED 8-30-18, 11-5-18

# 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)

# Pierce Elementary School

- ▶ 91 water sources tested
- ▶ 11 positive test results
- ▶ 2 positive results in *drinking specific* fixtures
- ▶ 0 positive results in foodservice kitchen area (**not a food source**)
- ▶ 0 positive results in large volume samples

# P26-CF Room 110

Sink only. Bubbler tested clear.

Copper	<b>1.4 mg/L</b>	0.34 mg/L
Lead	<b>0.022 mg/L</b>	0.0042 mg/L

Sink posted as “Not Drinking Water” 5-29-18. Fixture remediated and aerator replaced. Returned to service 8-30-18.



# P30- CF Room 109

Copper	0.56 mg/L	0.18 mg/L
Lead	<b>0.050 mg/L</b>	0.0064 mg/L



Sink posted as "Not Drinking Water" 5-29-18. Fixture remediated, aerator replaced. Returned to service 8-30-18.

# P38-CF      P38-B

## Room 108

Sink and bubbler

Copper	0.46 mg/L	0.17mg/L
Lead	<b>0.026 mg/L</b>	0.0063 mg/L

Sink and bubbler removed from service 5-29-18. Remediated and aerator replaced. Returned to service 8-30-18



# P40-KF Media Center Workroom

Copper **7.0 mg/L**

Lead 0.014 mg/L



Permanently posted as “Not Drinking Water” 11-6-18.

# P44-BF Girls by 205 (right)

Copper 0.38 mg/L

Lead **0.020 mg/L**

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





# P59-BF

## Unisex by room 205

Copper **1.8 mg/L**

Lead **0.022 mg/L**

Permanently signed as “Not Drinking Water” 8-8-18



# P61-CF

## Boys by room 205 (right)

Copper 0.30 mg/L

Lead **0.016 mg/L**



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

# P69-CF Room 213

Copper	1.1 mg/L	0.26 mg/L
Lead	<b>0.067 mg/L</b>	<0.0010 mg/L



Posted as “Not Drinking Water” 5-29-18. Fixture remediated, aerator replaced.  
Returned to service 8-30-18.

# P88-DF Playground

Copper	<b>4.5 mg/L</b>	0.26 mg/L
Lead	0.0048 mg/L	< 0.0010 mg/L

Picture  
Not  
Available

Removed from service 5-29-18. Fixture remediated and returned to service 8-30-18.

# P90-CF Room 106

Right sink only

Copper	0.39 mg/L	0.25 mg/L
Lead	<b>0.024 mg/L</b>	0.012 mg/L



Posted as "Not Drinking Water" 5-29-18. Faucet, lines and valves replaced.  
Retested and passed. Returned to service 11-5-18.