
From: Laura Carravallah <Laura.Carravallah@hc.msu.edu>
Sent: Thursday, October 15, 2015 8:31 PM
To: Wells, Eden (DHHS); Mark Valacak
Subject: Fwd: Copper in Flint

Follow Up Flag: Flag for follow up
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Begin forwarded message:

From: Marc Edwards <edwardsm@vt.edu>
Date: October 15, 2015 at 7:36:37 PM EDT
To: 'Laura Carravallah' <Laura.Carravallah@hc.msu.edu>, "Cupal, Suzanne" <scupal@gchd.us>
Subject: RE: Copper in Flint

The median copper was only 24 ppb in Flint
The mean was only 65 ppb
Only one sample of 800+ collected, was over 1300 ppb, and that was 1700 ppb.

Thus, these are pretty low results.

We also tested for the following
31P 34S 35Cl 39K 43Ca 47Ti 51V 52Cr 54Fe 55Mn
59Co 60Ni 65Cu 66Zn 75As 78Se 88Sr 95Mo 107Ag
111Cd 112Sn 137Ba 238U

Only iron was occasionally high, as people well know, due to the red water.

Best Regards,
Marc

-----Original Message-----

From: Laura Carravallah [mailto:Laura.Carravallah@hc.msu.edu]
Sent: Thursday, October 15, 2015 5:05 PM
To: edwardsm@vt.edu
Subject: Copper in Flint

Dear Dr. Edwards,

I am grateful to you for taking the time to talk with me today.

I would appreciate it if you can send the information about the copper levels you found and also if you might be able to tell me about the other

metals you tested for that could be affected by the corrosive water.

Thank you for all of your help with this problem.

Best wishes

Laura Carravallah, MD, FAAP, FACP
Director, Medical Partners in Public Health certificate Michigan State
University-College of Human Medicine

Genesee County Board of Health