

Dustin Fisk

From: Amanda Enbysk <aenbysk@efulcrum.net>
Sent: Friday, February 10, 2017 8:14 AM
To: Keith Colee
Cc: Dustin Fisk; Ryan Mathews
Subject: Drinking Water Sampling - Tri-Tech Skills Center Second and Third Draw Lead Results

Keith-

Fulcrum received second and third draw sampling results from Tri-Tech Skills Center following fixture replacement to reduce elevated lead concentrations. The link below will allow you to download revised analytical results from Fremont Analytical:

<https://efulcrum.sharefile.com/d-s0a1a16f0280436da>

The District replaced 6 fixtures identified with elevated lead from the initial sampling event on 12/21/2016. After a 24-hour precondition flush, Fulcrum returned to sample replaced fixtures for lead concentration on January 28, 2017. Analytical results revealed that fixture replacement was not successful for three fixtures. Lead concentrations remained elevated at two fixtures in Nursing (Room 120) and one fixture in Classroom 150.

As a portion of the January 28, 2017 sampling event, Fulcrum collected second- and third-draw samples at replaced fixtures and put them on hold at the laboratory. Upon discovery of the remaining lead at these fixture locations, Fulcrum requested second- and third-draw samples be analyzed. A summary of results is below:

Sample Identification and Location	Type of Fixture	First Draw (µg/L)	Second Draw (µg/L)	Third Draw (µg/L)
TTS12817-KF-26: Nursing, S. fixture	Kitchen Faucet	13.2	5.55	1.31
TTS12817-KF-27: Nursing, middle fixture	Kitchen Faucet	21	11.2	-
TTS12817-KF-28: Nursing, N. fixture	Kitchen Faucet	24.6	36.6	<1.0
TTS12817-CF-34: Room 150, middle fixture	Classroom Faucet	55.9	44.8	2.25
TTS12817-P-CF-37: Laboratory Blank	Distilled Blank	<1.0	-	-
TTS12817-P-DF-38: Laboratory Spike	Lead and Copper Spike	16.2	-	-
EPA Action Level		15	15	15

As elevated lead levels are identified in the second draw results of the fixture in Classroom 150 and one fixture in Nursing (Room 120), it is likely lead is present in plumbing components behind these fixtures.

The next step is to review plumbing drawings for potential lead sources.

Please let me know if you have any questions.

Thank you,

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