

Dustin Fisk

From: Amanda Enbysk <aenbysk@efulcrum.net>
Sent: Tuesday, January 24, 2017 3:57 PM
To: Keith Colee
Cc: Dustin Fisk; Ryan Mathews
Subject: Drinking Water Follow-Up Sampling - Southgate Elementary Results
Attachments: Rpt_1701233_Kennewick_SD_Drinking_Water_-_Southgate_Elementary_Final_v1.pdf

Keith-

Fulcrum received follow-up sampling results this morning for schools we sampled on 1/21/2017. Attached are results for Southgate Elementary School from Fremont Analytical. Below is a table summarizing the difference in copper concentrations between initial sampling events and the follow-up sampling completed on 1/21/2017. Results highlighted in **bold** remain above the action level.

Sample Identification and Location	Type of Fixture	Initial Sampling Results (µg/L)	Follow-Up Sampling Results (µg/L)
SGE122116-P-CF-07: Room 138	Classroom Faucet	1,400	714
SGE122116-P-OF-09: Library work room	Office Faucet	1,400	949
SGE122116-P-CDF-10: Library work room	Classroom Drinking Fountain	1,500	1,040
SGE122116-P-P-NF-11: Nurse's office	Nurse's Faucet	1,900	1,120
SGE122116-P-CDF-15: Room 106	Classroom Drinking Fountain	1,200	1,570
SGE122116-P-CF-23: Room 118	Classroom Faucet	3,200	764
SGE122116-P-CF-25: Room 120	Classroom Faucet	1,400	692
SGE122116-P-CF-29: Room 145	Classroom Faucet	1,300	1,280
SGE122116-P-CDF-30: Room 145	Classroom Drinking Fountain	1,400	1,160
SGE122116-P-CDF-31: Room 147	Classroom Drinking Fountain	1,300	1,000
SGE122116-P-CF-32: Room 147	Classroom Faucet	1,200	1,310
SGE122116-P-CF-35: Room 155	Classroom Faucet	1,400	1,920
SGE122116-P-OF-41: Room 176	Office Faucet	1,700	1,170
SGE122116-P-CDF-42: Room 164	Classroom Drinking Fountain	1,500	1,010
SGE122116-P-CDF-43: Room 168	Classroom Drinking Fountain	1,300	1,050
SGE12117-P-CDF-48: Nurse's Office	Classroom Drinking Fountain	-	1,150
SGE12117-P-CF-49: Room 191	Classroom Faucet	-	809
SGE12117-P-CDF-50: Room 191	Classroom Drinking Fountain	-	888
SGE12117-P-CDF-51a: Room 118	Classroom Drinking Fountain	-	740
SGE122116-P-WC-46 (51b): Laboratory Blank	Distilled Blank	<10	<0.5
SGE122116-P-WC-47: Laboratory Spike	Lead and Copper Spike	1,200	-
EPA Action Level		1,300	1,300

It appears that the aggressive flush procedure was successful on most of the fixtures retested. However, samples CDF-15, CF-32, and CF-35 remain elevated for copper. Fulcrum recommends these fixtures remain out of service.

Fulcrum also tested four fixtures not originally sampled during the initial evaluation. These are CDF-48, CF-49, CDF-50, and CDF-51a. All four of these fixtures report with copper concentrations below the action level and the spike sample from the initial sampling event.

If you have any questions, please feel free to contact me.

Thank you,

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