



WIPE SAMPLING IN BUILDING 104

On October 5, 2021, industrial hygiene sampling was conducted in the open ceiling spaces of the second floor of Building 104 at the Goodfellow Federal Center at 4300 Goodfellow Boulevard in St. Louis, Missouri.

Wipe samples were collected from the external surfaces of HVAC ductwork, diffuser, light fixtures, and piping located in the high ceiling spaces. The sampling was conducted to determine levels of seven RCRA metals in the dust: arsenic, barium, cadmium, chromium, lead, selenium, and silver.

A summary of the results are as follows:

- 11 samples were collected.
- All 11 samples resulted in detectable levels of barium, cadmium, chromium, and lead, but only lead was at levels that exceed the threshold of 10 micrograms per square foot ($\mu\text{g}/\text{ft}^2$). This is the [EPA action level](#) for lead on surfaces. Ten samples had exceedances of lead:
 - Top of a metal diffuser attached to duct work near column G51 had 50 $\mu\text{g}/\text{sq. ft.}$
 - Top of a large rectangular overhead hanging light between columns G48 and G49 had 36 $\mu\text{g}/\text{sq. ft.}$
 - Long, thin, overhead light between columns G49 and G50 had 14 $\mu\text{g}/\text{sq. ft.}$
 - Top of the hot water return pipe near the restroom had 83 $\mu\text{g}/\text{sq. ft.}$
 - Top of the large duct feeding into the trunk line between columns H41 and H42 had 170 $\mu\text{g}/\text{sq. ft.}$
 - Duct trunk line between columns G37 and H37 had 120 $\mu\text{g}/\text{sq. ft.}$
 - Hidden Valley break room hanging light between columns B31 and B32 had 380 $\mu\text{g}/\text{sq. ft.}$
 - Heating water supply pipe in the data center between columns D13 and C13 had 22 $\mu\text{g}/\text{sq. ft.}$
 - Top of the glycol supply pipe by column C11 of Room 3 in the data center had 130 $\mu\text{g}/\text{sq. ft.}$
 - Top of the overhead light between columns D5 and D6 of Room 2 in the data center had 65 $\mu\text{g}/\text{sq. ft.}$
- These spaces are more than 12 feet from the floor and are not under a regular cleaning program.



U.S. General Services Administration

GSA has been in discussions with the tenant agency on options to take prior to full reoccupancy. In addition, GSA will continue periodic sampling to assess the contamination in these areas. This report is available for review in the [Federal Center Environmental Reading Room](#) and in the GSA office, in Building 107. If you have any questions, please feel free to contact GSA at r6environmental@gsa.gov.