

Testing Specification

1. All samples to be taken by a CIH with a specialization in mercury contaminations
2. Testing will consist of bulk sample(s) and air grab samples
3. Bulk samples
 - a. ½” square of material to be removed for testing
 1. Sample to be taken from inconspicuous place on floor (possible near edge of floor), patch as necessary
 - b. Sample to be taken from each separate identifiable pour and any overlay flooring including any underlayment layers, e.g. suspended floor above, wood floor, etc.
 - c. Sample collection / preservation protocols to conform to SW-846 for analytical method 3050B/6020A
 - d. Results to be reported in parts per million (ppm) and recorded in the electronic data filed to be provided by SFB (Bulk Samples tab) for each bulk sample taken and tested, vendor to make no revisions to the data file other than recording readings
4. Air samples
 - a. Air sample to be taken as a “grab” sample
 - b. Equipment to be used shall be Lumex or Jerome J505 (or newer)
 - c. Time taken for air sample will be in accordance to the manufacturer’s recommendations for the equipment used
 - d. All readings to be reported in µg/m³
 - e. HVAC system shall be running at normal occupancy setting for at least 4 hours prior to testing, testing agency to coordinate this with the District prior to testing date
 - f. Air balance company shall be at the site to take outside air data and submit to testing agency (**do not include this cost into testing proposal**) for recording in final report data
 1. This data will be the amount of outside air, in CFM, for each unit in the space, and the % of outside air for each unit in the space
 - g. Floor to be gridded into sections of 100 SF maximum (10’-0” x 10’-0”) for readings
 - h. Readings to be taken at 3’-0” above the floor if the lowest grade at the school is K – 8, readings to be taken at 5’-0” above the floor if the lowest grade at the school is 9 – 12
 - i. Testing agency to complete a sample map to graphically indicate grids, readings in µg/m³, and indicate as best as determinable which grids fall underneath each HVAC unit(s)
 1. Map to be submitted as part of final report
 - j. Three (3) outside mercury readings to be taken at the same height as the interior readings within 5’-0” of main exterior entrance to the space for background record of background readings
 - k. All sample readings to be recorded in the electronic data filed to be provided by SFB (Air Samples tab), vendor to make no revisions to the data file other than recording readings
5. Final report shall include sample map, all laboratory test data results, chain of custody, and all other documentation to create an accurate historical record of the work completed (PDF format)
6. Each floor to have its own report, no combining of floors on reports
7. Electronic data file, supplied by SFB, to be completed and submitted with the final report, vendor to only enter data, no other changes are to be made to the file