

US EPA ARCHIVE DOCUMENT

## **Appendix H**

### **Procedures for Collection of Samples From Pollution Control Media**

**Samples were collected from the pollution control media for each device using the following procedures:**

Manufacturer A

- The HEPA filter, located inside the filter canister, was accessed after the system had performed a filter purge where the device reverses the airflow to blow the collected particulates (purge) off the filter and back into the drum. Three bulk samples were collected from the filter by cutting approximately 100 cm<sup>2</sup> portions per sample out of the filter using a razor knife. The samples were folded in half, with any bulk material on the inside, and placed into separate sample containers.
- The top of the carbon filter canister was opened to access the carbon. The carbon filter consisted of three bags of carbon stacked on top of each other inside the canister. The top two bags were removed and opened. The carbon from each of the two bags was transferred to a separate generic plastic trash bag of sufficient size to accommodate its volume and each plastic bag of carbon was composited. Three bulk samples of carbon (approximately three ounces per sample) were collected from the top carbon bag, and three bulk samples of carbon (approximately 3 ounces per sample) were collected from the middle carbon bag using a clean plastic spoon. The samples were placed in separate sample containers.

Manufacturer B

- The pre-filter and carbon filter were all contained in a single cartridge. One bulk sample was collected from particulate contained in the pre-filter and placed in a sample container (there was only sufficient amount of particulate for one sample). Three carbon bulk samples (approximately two ounces per sample) were taken directly from the carbon container within the cartridge and placed into separate sample containers.

Manufacturer C

- Three samples of bulk particulate were collected inside the filter bag using a clean plastic spoon and placed in separate sample containers.
- The HEPA filter was removed, placed into a plastic Ziploc bag, and sealed.
- The top of the carbon filter canister was removed to access the loose carbon. The carbon was transferred to a generic plastic trash bag of sufficient size to accommodate its volume. The carbon was composited inside the bag, and

three bulk samples (approximately three ounces per sample) were collected using a clean plastic spoon and placed in separate sample containers.

#### Manufacturer D

- Three samples of bulk particulate were collected inside the filter bag using a clean plastic spoon and placed in separate sample containers.
- The HEPA filter was removed, placed into a plastic Ziploc bag, and sealed.
- The carbon filter bag was removed and cut open, and the carbon was transferred to a generic plastic trash bag of sufficient size to accommodate its volume. The carbon was composited in the bag, and three bulk samples (approximately three ounces per sample) were collected. Using a clean plastic spoon and placed in separate sample containers.