

SAMPLING PROTOCOL

FIELD SAMPLING METHODS

Sample Documentation

- Sample Identification Number
- Photo(s) of each sample location
- GPS coordinates
- Date and time of sample collection
- Description of sample location
- Sample depth (for soil sample only)
- Description of sample (for soil sample only)
- Proximity to stained soil, stressed vegetation, asphalt

Surface Wipe Samples

Surface wipe samples should be collected on non-porous surfaces in accordance with the following methods.

- Trace Metal Samples: ASTM D6966-13
- PAH: ASTM D6661-10

Soil Samples

Physical samples of soil should be collected in accordance with the procedures described in *USGS Concentration of Polynuclear Aromatic Hydrocarbons and Inorganic Constituents in Ambient Surface Soils, Chicago, Illinois: 2001-02*. In addition, element concentrations will be determined *in situ* by portable XRF following *EPA Method 6200 Field Portable X-Ray Fluorescence Spectrometry for the Determination of Elemental Concentrations in Soil and Sediment* (November 2013 field campaign only).

Quality Control

Duplicate and filed blanks should be collected for every 15 samples.

ANALYTICAL METHODS

Trace Metals – EPA Method 6020

PAHs – EPA8270