



Assessing Outdoor Air Near Schools

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Monitored Pollutants

Pollutants to be measured vary by school and were selected based on emission sources in the vicinity of each school.

Pollutant Groups	Pollutants of Particular Interest with Links to Background and Health Information
Carbonyls	<ul style="list-style-type: none"> • acetaldehyde
Diisocyanates	<ul style="list-style-type: none"> • methylenediphenyl diisocyanate • 2,4-toluene diisocyanate • 1,6-hexamethylene diisocyanate
Metals	<ul style="list-style-type: none"> • arsenic • cobalt • lead • manganese • nickel
PAH (Polycyclic Aromatic Hydrocarbons)	<ul style="list-style-type: none"> • benzo (a) pyrene and other PAHs • naphthalene
VOCs (Volatile Organic Compounds)	<ul style="list-style-type: none"> • acrolein • benzene • 1,3-butadiene
Individual Pollutants	<ul style="list-style-type: none"> • 4,4'-methylenedianiline
	<ul style="list-style-type: none"> • Chromium (+6) (Hexavalent Chromium)

The pollutant groups include both individual pollutants within the group that our current information indicates may be present at each school at levels of potential concern (i.e., pollutants of particular interest or "driver pollutants") and some other pollutants that can be inexpensively measured at the same time. While we will be analyzing air samples for both sets of pollutants in each chemical group and will review all the data in drawing conclusions for each school, we intend to focus our data analysis activities primarily on the individual "driver pollutants".