What is used to determine an intrusion screening value (ISV)?

What type of building?

Residential

Housing

School

Commercial/Industrial

Restaurant

Manufacturer

How do people contact indoor air?

Residential

- Adults, children
- More contact time

Home

Commercial/Industrial

- Adults
- Less contact time

Office

<u>Example ISVs for a chemical</u>:
Residential ISV = 5 µg/m^3
Industrial ISV = 15 µg/m^3
Both based on cancer health impacts

How does the chemical impact health?

Human and/or Laboratory Studies

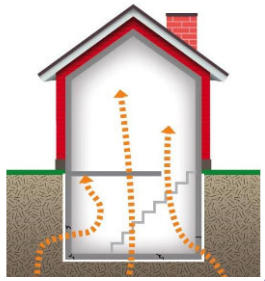
<u>Cancer Impacts</u>	<u>Noncancer Impacts</u>
Residential ISV = 5 µg/m^3	Residential ISV = 10 µg/m^3
Commercial/Industrial ISV = 15 µg/m^3	Commercial/Industrial ISV = 30 µg/m^3

Example ISV based on cancer impacts is used since this ISV is the lowest numerical value and is the most protective

How does the chemical act?

Laboratory Studies

Is the chemical likely to be in the air?



Minnesota Pollution Control Agency