



In 2001 the EPA published the "Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils". This document provides recommendations for determining if vapor intrusion pathways pose unacceptable risks to human health.

Obtaining defensible representative soil gas data and quality indoor air data to accurately assess the potential risk is paramount. It is critical then to partner with a laboratory that has the necessary understanding of the regional guidance available, the analytical expertise to provide defensible level IV data, and the technical prowess to research and develop analytical as well as sampling solutions.

Air Toxics Ltd. continues to provide comprehensive analytical solutions for vapor intrusion assessments. We've analyzed tens of thousands of soil gas, indoor air and ambient air samples, consistently pushed analytical capabilities to reach lower reporting limits, provided more usable data from high matrix samples, all while maintaining the highest level of quality control. Let us show you how our 18 years of experience will benefit your projects.



**Always Air,
Always Accurate**

Vapor Intrusion

Air Toxics Ltd. can help you accomplish successful vapor intrusion projects by providing the following:

Technical Experience

Air Toxics has been conducting air analyses for vapor intrusion projects since our inception in 1989. We have proven our performance as the primary laboratory on one of New York State's largest vapor intrusion projects in Endicott with the analysis of over 7,500 TO-15 samples to date. Air Toxics' technical team has researched and presented on several topics related to the quality of the analytical options available when assessing the VI pathway as well as the media and sampling protocols commonly used. For a list of technical papers and available seminar topics please visit www.airtoxics.com

Analytical Capabilities

Depending on the stage of your vapor intrusion evaluation, your project requirements and sample matrix composition may vary widely. Air Toxics offers a variety of products for vapor intrusion analysis in order to best meet data quality objectives in a cost effective manner. In addition, Air Toxics has the ability to quantify unusual compounds and address special QC requirements. Below is a quick user's guide to our various products.

Media

When it comes to indoor air pptv reporting limits, you need more than just a clean, certified canister to insure your sample data is defensible and definitive. That's why Air Toxics cleans and certifies your entire sampling train including the flow controller and filter.

Beware of the temptation to dedicate a set of canisters for a project in order to reduce certification costs. Unless each canister is certified clean before each use, target analyte carryover from a previous sample is a real possibility. Along with defensible media needs, vapor intrusion projects can often require numerous samples be collected from several locations which requires the support of a laboratory with a large media capacity. Air Toxics maintains one of the largest single site inventories of canisters and flow controllers in the nation.

Product	Reporting Limits (ppbv)	Analyte	Comments List	Price Range
TO-15 5 & 20 ppbv	5.0—20 ppbv	60+ VOCs	Ideal for high level samples; flexibility to add non-standard compounds. May be used for Tier 1 and 2 assessments.	\$
TO-15	0.50—2.0 ppbv	60+ VOCs	Applicable for ambient air or soil gas sampling to establish vapor intrusion pathways. Can be used for Tier 1, 2, and 3 assessments.	\$\$
TO-15 Low-level	0.10—0.50 ppbv	60+ VOCs	Typically used for indoor air or "clean" soil gas for Tier 2 or 3 assessments.	\$\$\$
TO-15 Hi/Lo	0.02—0.50 ppbv	Project specific	Ideal for soil gas with low reporting limit requirements.	\$\$\$
TO-15 SIM	0.003—0.10 ppbv	Project specific	Ideal for indoor air health risk Tier 3 assessment.	\$\$\$

To find out more about how Air Toxics Ltd. can assist you, please contact Client Services at www.airtoxics.com or call (800) 985-5955.