



## ALS Salt Lake City, UT Vapor Intrusion

### Industrial Hygiene

- TO-14, 15
- Beryllium
- Diesel Particulates
- Pesticides and Herbicides Scans
- TO-17
- Silica
- Methamphetamine
- GC/MS Screens
- Metals Panels
- Aldehydes and Amines
- Antineoplastic / Chemotherapy Drugs

### Environmental

- Perchlorate (6850)
- White Phosphorus (7580)
- NDMA
- Explosives/Nitroaromatics
- Vapor Intrusion
- Chemical Agent Breakdown Products by LC/MS
- SW-846 Methods
- EPA CLP
- DoD
- SEDD (Staged Electronic Data Deliverable)

### Microbiology/Mycology

- Non-Viable Fungal Spore Analysis
- Viable Fungal and Bacterial Analysis
- Microbial Identification
- Endotoxins/Mycotoxins
- Coliforms and E. coli 0157:H7

### Dietary Supplements

- Vitamin Analysis
- Pesticides Screens
- Minerals Analysis
- Heavy Metals

**RIGHT SOLUTIONS  
RIGHT PARTNER**

**Problem:** Contaminated soil or contaminated groundwater plumes under homes, schools, and businesses emit volatile vapors that can intrude into the overlying structures, and may pose a health risk. While microbes, soil compaction and other factors may naturally attenuate those vapors before they can enter into a building, vapors may be strong enough to accumulate in crawlspaces, basements, and areas with utility connections.

In November of 2002, the US EPA issued a draft guidance document to help determine the vapor intrusion pathway, and some states have followed with guidance of their own.

**Solution:** ALS Environmental can provide quick, accurate low-Level Analysis by EPA Method TO-15 and TO-17.

- ALS Environmental is highly experienced with sampling and analytical methods required to determine the vapor intrusion pathway
- ALS can provide personal sampling pump kits setup for soil gas sampling, SUMMA canisters and pre-set flow controllers for indoor air sampling
- ALS has state-of-the-art laboratory instrumentation and highly experienced chemists ready to analyze compounds, often to pptv/v levels
- ALS can help you select the appropriate methodology for VOCs
- ALS carries NELAP and AIHA accreditations
- ALS provides legally defensible data "of known quality"
- Reporting limits for vapor intrusion by EPA TO-15  
TO-15 full scan—0.5-20 ppb v/v  
TO-15 Selected Ion Monitoring (SIM) - 0.05-2.0 ppb v/v

ALS Salt Lake City · 960 West LeVoy Drive · Salt Lake City, UT 84123  
Toll Free: +1 800 356 9135 · Phone: +1 801 266 7700 · Fax: +1 801 268 9992



### ALS Environmental Locations Across North America

Canada: Burlington · Calgary · Edmonton · Fort McMurray · Fort St. John · Grande Prairie · London · Mississauga · Richmond Hill · Saskatoon · Thunder Bay  
Vancouver · Waterloo · Winnipeg · Yellowknife United States: Cincinnati · Everett · Fort Collins · Holland · Houston · Salt Lake City Mexico: Monterrey