



ALS Salt Lake City, UT

Air Quality

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: Volatile Hydrocarbons (VOCs), Odors, Sulfur Gases, Fixed Gases including CO/CO₂, and even light hydrocarbons all affect indoor or outdoor air quality. The problem is having the ability to rapidly and accurately determining air quality.

Solution: Let ALS Environmental help with the following direct air analyses offered for samples collected in summa canisters or tedlar bags.

- TO-15 VOCs by GC/MS analysis panel of 64 compounds
- Sulfur Gases by Gas Chromatography/sulfur chemilluminescence detection panel of 14 compounds
- Fixed Gases by GC/Post Hydrogen Ion Detector analysis panel of 6 compounds
- Light Hydrocarbons by GC/Post Hydrogen Ion Detector analysis panel of 10 compounds

Detection Level:	TO-15: One ppb for organics; 50 ppb low level SIM Sulfur Gases: Approximately 5 ppb Fixed Gases: Approximately 1 ppm Light Hydrocarbons: Approximately 1 ppm
Sampling Requirements:	<ul style="list-style-type: none"> • Summa canister and regulator valve are required for sample collection and can be provided by ALS • Regulator sample rate preset by ALS

Advantages of using summa canisters

- For collection of VOCs, sulfur gases, CO, CO₂, fixed gases, and light hydrocarbons from the same canister
- Summa canisters may sample from one to twenty-four hours continuously or intermittently when odor episode occurs
- Unattended continuous sampling over long periods
- Sampling can be initiated by untrained persons
- Grab samples can be collected within a few minutes
- Once collected, sample is stable for shipping and storage

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ALS Environmental Locations Across North America

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