



**Project Name:** Soil Vapor Survey in a Superfund Area

**Client:** Confidential Manufacturing Client

**Agencies:** Regional Water Quality Control Board and EPA Region IX

**Location:** City of Industry, CA

**Chemical of Concern:** Halogenated Volatile Organic Compounds

## Project Goal

The goal of this project was to determine the extent and source of halogenated volatile organic compounds in soil and groundwater, demonstrate to the EPA and RWQCB that the contaminate plume is contained onsite, and identify neighboring Potentially Responsible Parties (PRPs).

## Waterstone's Role

Waterstone personnel were contacted to conduct soil sampling in the area of a clarifier and former concrete underground storage tank on this manufacturing facility located in the San Gabriel Valley Superfund Area. The oversight agency on this site is the Regional Water Quality Control Board under Well Investigation Program (WIP) guidelines in conjunction with EPA Region IX. Waterstone personnel negotiated with RWQCB case officers to modify WIP guidelines to provide a soil vapor survey with more effective and site-specific coverage of the property. Waterstone personnel supervised a soil vapor survey with over 130 locations at multiple depths, a significant decrease in the number of vapor points originally required by WIP guidance.

## Project Challenges and Successes

The modified soil vapor survey design approved by the RWQCB covered a broader area onsite, evaluated potential onsite migration from a suspected offsite source, and reduced the number of locations required by WIP guidance. The vapor survey successfully provided evidence of the limited nature of the plume on the property and illustrated potential onsite migration from another source area offsite.

Waterstone personnel negotiated with Regional Water Quality Control Board staff to allow a timeline for further investigation and remedial action to be followed which was respectful of the manufacturing facility's budgetary concerns. This timeline also allowed for neighboring properties to begin conducting investigations to determine whether chemicals originating from offsite properties may have impacted the subject property, further reducing site investigation costs to the client.