



7.10 DOCUMENTATION OF SOIL VAPOR OR INDOOR AIR SAMPLING

A soil vapor or indoor air investigation report is required following each sampling event. The investigation report is often prepared as a stand alone document, although it may be included as an appendix in a larger investigation report. Information on recommended format and content requirements for Investigation Reports is included in Section 18.

The soil vapor or indoor air investigation report should include a thorough description of all field operations, deviations from the approved work plan, data results (including data inconsistencies or laboratory analytical flags), and an analysis and interpretation of the analytical data. All soil vapor or indoor air investigation reports should include a site plan map identifying soil vapor or indoor air sampling locations. The relative location of soil and groundwater contamination with respect to locations of sampling probes and all current or proposed future buildings should also be depicted on the figures.

The soil vapor or indoor air analytical data should be summarized and presented on a table that facilitates a review of the spatial and temporal trends as well as the relationships between lateral and vertical sampling locations.

For sites where soil vapor or indoor air samples are collected from permanent probes, the probe construction details should be included in the investigation report. All field data including flow rates and pressure readings (from a vacuum gauge) during sample collection should also be included in the investigation report.