

Hillcrest Community Environmental Investigation

Project Objective: To document BTEX levels in soils, subsurface soils, groundwater and ambient air in the Hillcrest subdivision in Corpus Christi, Texas.

Phase 1

Objective: To screen for VOC impacted groundwater in the Hillcrest Subdivision areas adjacent to known refinery sector subsurface releases (fine grid) and in Hillcrest Subdivision interior (coarse grid).

Method: Passive Soil-Gas.

Phase 2

Objective: To determine impacts to subsurface soils and groundwater in the Hillcrest Subdivision areas adjacent to known refinery sector subsurface releases employing Phase 1 data.

Method: Push probe subsurface soil sampling, permanent monitor well installations, groundwater sampling (multiple events).

Phase 3

Objective: To determine ambient concentrations of VOCs in air within the Hillcrest Subdivision.

Method: Summa sub-atmospheric pressure sampling.

Phase 4 (To be implemented if impacts to groundwater are established in Phase II)

Objective: To sample indoor air in the Hillcrest Subdivision areas adjacent to known refinery sector subsurface releases.

Method: Auto-GC pre-screening followed by whole-air Summa sub-atmospheric pressure sampling.