
Appendix D - QA/QC Validation Report and Laboratory Data Package

**Data Usability Summary Report
for Groundwater Samples Collected at the
EPT facility
Ithaca, New York
October 10, 2006 through April 4, 2007**

Introduction

This Data Usability Summary Report (DUSR) includes 156 indoor air samples and six trip blanks collected in residences near the Emerson Power Transmission Facility in Ithaca, New York, during several sampling events from October 10, 2006 to April 4, 2007. The samples were analyzed by Centek Laboratories, LLC of Syracuse, New York, for volatile organic compounds (VOCs), by U.S. Environmental Protection Agency (EPA) Method TO-15. The data were reviewed in accordance with the method and chain-of-custody criteria outlined in the National Functional Guidelines of Organic (October 1999) Data Review. The validated air analytical results are presented in Table 1 of this DUSR.

Volatile Organic Compounds

One-hundred fifty-six vapor samples and six trip blanks were analyzed for VOCs by EPA Method TO-15. The data were reviewed for surrogate recovery, matrix spike/matrix spike duplicate (MS/MSD) recovery, blank contamination, instrument performance, calibration, and calculation criteria. The data satisfied the criteria for MS/MSD recovery, blank contamination, instrument performance, and calculation.

Several positive and non-detectable results were qualified "C," as estimated, for failing to meet continuing calibration criteria. Several positive results were qualified "S," as estimated, for failing to meet surrogate spike recovery criteria. Several positive results were qualified "I," as estimated, for failing to meet internal standard recovery criteria. The calibration outliers, other qualifiers and the associated samples are presented in Table 1 of this DUSR.

Overall Assessment of the Data

The data presented are acceptable as qualified for site characterization activities.