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1999 ANNUAL SOIL GAS MONITORING REPORT

WASTE DISPOSAL, INC. SUPERFUND SITE
SANTA FE SPRINGS, CALIFORNIA
REVISION 1.0

Prepared for

United States Environmental Protection Agency

Prepared by

TRC

Irvine, California

Representing

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Project No. 94-256
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1.0

1.0 INTRODUCTION

1.1 INTRODUCTION AND PURPOSE

1. This Annual Soil Gas Monitoring Report provides a summary and evaluation of the data collected by the Waste Disposal, Inc. Group (WDIG) from February 1999 through October 1999 at the Waste Disposal Inc. (WDI) Superfund Site (Site) in Santa Fe Springs, California. This report is required under the Amended Statement of Work (SOW) of the Amended Administrative Order, Docket No. 97-09, for the Soil and Subsurface Gas Operable Unit at the Site (EPA, 1997a).

2. The purpose of this annual report is to review the soil gas conditions at the Site and evaluate potential offsite gas migration from WDI sources. This report has been prepared to meet the following objectives:
   - Provide a summary of the soil gas data collected during 1999 by WDIG.
   - Evaluate the data as to trends or other observations.
   - Provide a formal transmittal of laboratory and Quality Assurance/Quality Control (QA/QC) data to the United States Environmental Protection Agency (EPA).

3. The remaining chapters of this report are organized as follows:
   - Chapter 2.0 - Project Background
   - Chapter 3.0 - Soil Gas Sampling and Analysis Methods
   - Chapter 4.0 - Soil Gas Monitoring Results and Data Evaluation
   - Chapter 5.0 - Quality Assurance/Quality Control
   - Chapter 6.0 - Summary and Recommendations
   - Chapter 7.0 - References

1.2 SUMMARY OF FINDINGS

1. As determined from earlier work, elevated methane and volatile organic compound (VOC) concentrations are not prevalent over most of the Site. Tables 1.1 and 1.2 show the critical vapor wells at the Site. A critical well is defined as a well with ITSL exceedances during the past 2 years. The satisfaction of state regulatory criteria for boundary areas and those near most structures has been confirmed, except as discussed in Section 6.1. Figure 1.1 shows the location of the critical wells. In-business air monitoring of structures near these wells has not indicated elevated levels of the Chemicals of Concern (COCs).

2. Elevated concentrations of subsurface gases continue to be observed in Areas 1, 2, 5, 7 and 8.

2.0

2.0 PROJECT BACKGROUND

2.1 GENERAL SITE HISTORY

1. This general history is taken from various reports and studies conducted at the Site. It summarizes extensive Site history information available in previous documents (e.g., Final Remedial Investigation [RI] Report, EBASCO, 1989a, Predesign and Intermediate [60%] Design Report, Soils and Subsurface Gas Remedial Design, Environmental Solutions, Inc., 1995, Remedial Design [RD] Investigative Activities Summary Report [TRC, 1999]).

2. The Site is located in Santa Fe Springs, Los Angeles County, California on an approximate 38-acre parcel of land. It is currently bordered on the northwest by Santa Fe Springs Road, on the northeast by the former Fedco Distribution Center and St. Paul High School, on the southwest by Los Nietos Road, and on the southeast by Greenleaf Avenue (Figure 2.1).

3. For descriptive purposes, EPA has subdivided the Site into eight areas (Areas 1 through 8) as shown in Figure 2.2. The eight areas are comprised of 22 parcels, 19 on which various businesses (e.g., machine shops, auto repair shops, small commercial businesses and light industrial complexes) are currently operating. The remaining 3 of the 22 parcels are currently unoccupied. Investigations have shown that 11 of the 19 parcels have structures located over buried waste. Areas 1 and 8, which parallel Santa Fe Springs Road and Los Nietos Road, respectively, are occupied by several light industrial complexes and small commercial businesses. A buried 42-million-gallon-capacity reservoir is located in the central portion of Area 2. The northwestern portion of the reservoir area is covered with an asphalt parking lot and used for recreational vehicle (RV) storage. The remaining portion of Area 2 is undeveloped. Areas 3 through 7 extend along Greenleaf Avenue. Areas 3 and 4 are undeveloped and are the closest property boundary to nearby residential areas (approximately 500 feet). One structure located in Area 5 is used for a commercial business. Areas 6 and 7 are undeveloped and contain several concrete foundations that remain from previous structures.

4. The reservoir was decommissioned for storage in the late 1920s or early 1930s. Beginning in the late 1940s to early 1950s, the Site was used for disposal of a range of wastes and solid fill materials. Aerial photographs from 1945, 1949, 1953 and 1958 show the reservoir as having at various times, liquids (rainwater or perhaps oily liquids/sludge) and/or drilling muds. After 1949, activities regulated under permit from Los Angeles County Department of Sanitation continued until closure of the facility in 1964. Reliable documentation on disposal was not maintained; therefore, a comprehensive history of Site disposal practices or accepted

waste is not available. However, permitted waste includes the following: rotary drilling muds; clean earth; rock, sand and gravel; paving fragments; concrete; brick; plaster; steel mill slag; dry mud cake from oil field sumps and acetylene sludge. Investigations have shown that disposed material also included, but is not limited to, organic waste, oil refinery waste, solvents and waste chemicals. Wastes were disposed within the reservoir boundary, and in bermed areas surrounding the reservoir, and throughout the Site.

5. In 1953, WDI started receiving fill for covering the Site, including the reservoir area and unlined bermed disposal pits. Borehole data indicates that between 5 to 15 feet of fill exists over most of the Site. Recent investigations have shown the fill to be less than 1 foot thick in a 100-square-foot section of Area 5, near the Brothers building. The fill consists mostly of a silty sand material containing construction debris (e.g., broken concrete, gravel, asphalt, wood and brick) with low concentrations (e.g., below background levels) of various COCs.

6. In July 1987, the Site was placed on the National Priorities List (NPL). In 1988, EPA erected a fence around the southeast corner of the Site to improve security and prevent accidental exposure to possible surface contamination. Between 1988 to 1989, EBASCO was tasked by the EPA to perform a Remedial Investigation/Feasibility Study (RI/FS). This process led to the selected remedy for the buried waste presented in the Record of Decision (ROD) (EPA, 1993).

7. The WDIG, initially comprised of the eight Potential Responsible Parties (PRPs)[1] named in the original Administrative Order, Docket No. 94-17, dated December 23, 1993, undertook Predesign and Design Activities during 1995 and 1996. WDIG submitted a Predesign and Intermediate (60%) Design Report (Environmental Solutions, Inc., 1995) and a Prefinal (90%) Design Report, Soils and Subsurface Gas Remedial Design (TRC Environmental Solutions, Inc., 1996) to EPA. The 1995 Predesign Activities conducted by WDIG focused primarily on soil conditions in Areas 4 and 7.

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(1) Chevron U.S.A., Inc.; The Dia-Log Company; Dresser Industries, Inc.; FMC Corporation; Mobil Oil Corporation; Santa Fe Energy Resources, Inc.; Texaco Inc.; Union Oil Company.

8. In 1997, EPA named 21 PRPs[2] in the Amended Administrative Order Docket 97-09 (EPA, 1997a). The expanded WDIG, undertook additional RD Investigative Activities, plus other activities requested by EPA in the Amended SOW for Remedial Design (EPA, 1997b). The purpose of these investigations was to collect, review and update additional data on ground water, soil, soil gas and liquids located within and outside the reservoir boundary at the Site.

2.2 SUMMARY OF PRIOR SOIL GAS INVESTIGATIONS

2.2.1 SOIL GAS CHARACTERIZATION

1. The WDIG and EPA conducted soil gas investigative activities during 1997 and 1998, under WDIGs 1997 RD Investigative Activities Workplan (TRC Environmental Solutions, Inc., 1997b) and EPAs 1997 Gas Contingency Plan (EPA, 1997c). These activities included geoprobe soil gas screening, two soil gas monitoring rounds, in-business air monitoring, the installation of 22 additional vapor wells and the completion of four soil gas monitoring rounds performed by WDIG in 1998. Figure 2.3 shows the complete vapor well monitoring network by area. Table 2.1 provides a summary of the network parameters, including construction details.

2. The following criteria were the primary objectives for performing the soil gas characterization activities:
   - Determine current soil gas conditions in the following areas:
     - Perimeter of the Site.
     - Adjacent to onsite structures.
     - Interior of the Site.
   - Determine trends in the historical data.
   - Evaluate if other compounds that have currently not been assigned site-specific action levels may pose a Site risk.

3. Interim Action Levels (IALs) for benzene and vinyl chloride established as part of EPAs Subsurface Gas Contingency Plan and the Amended Administration Order Docket 97-09, are based on the potential migration of subsurface gas into onsite businesses. A more detailed description of the rationale for these IALs is provided in EPAs Subsurface Gas Contingency Plan and the Amended Administrative Order (EPA, 1997a and 1997c).

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(2) Archer Daniels Midland; ARCO; Atlantic Oil Company; Bethlehem Steel; Chevron Corporation; Conoco, Inc.; Conopco; DiLo, Inc. (successor to the The DiaLog Company); Dresser Industries, Inc.; Exxon; Ferro Corporation; FMC Corporation; Hathaway; Monterey Resources (formerly known as Santa Fe Energy Resources, Inc.); McDonnell Douglas; Mobil Oil Corporation; Santa Fe International Corporation; Shell; Texaco, Inc.; Union Pacific Railroad; UNOCAL.

4. To address the risks from methane, EPA used the California Integrated Waste Management Board's (IWMB) methane action level in buildings as their criteria:
   - Methane levels in buildings will be below 1.25 percent (i.e., 25 percent of the methane lower explosion limit of 5 percent).
   - Subsurface methane levels at the Site boundary must be below 5 percent based on IWMB requirements. An Interim Threshold Screening Level (ITSL) of 1.25 percent was used by EPA in evaluating the results of the Subsurface Gas Contingency Plan Investigations Report.

5. Table 2.2 provides a summary of the soil gas and indoor air ITSLs for the Site COCs. The table was reproduced from EPAs Subsurface Gas Contingency Plan Investigations Report dated January 18, 1999 (CDM Federal, 1999). As part of the Soil Gas Contingency Plan work, referenced in paragraphs 1 and 2 of this section, EPA developed ITSLs for the chemicals EPA determined to present potential health risks based on chemical toxicity and relative concentrations at the Site.

6. During August and September 1997, EPA conducted screening level soil gas investigations at the Site. Soil gas samples were collected from 27 vapor wells and 196 temporary soil gas probes (geoprobe) throughout the Site.

7. Based on the results of the geoprobe soil gas and RI vapor well sampling, EPA directed WDIG to install 22 additional multinested probes to further investigate the Site's soil gas conditions. These wells were installed in January 1998.

8. In July 1998, EPA installed ten additional multinested vapor wells (VW-54 through VW-63). The nested wells were installed at the locations shown in Figure 2.3 and completed to the depths shown in Table 2.1.

3.0

3.0 SOIL GAS SAMPLING AND ANALYSIS METHODS

1. In February 1998, WDIG began quarterly soil gas monitoring and continued the sampling program into 1999. The monitoring is used to gather additional data to determine if soil gas is migrating vertically into local businesses or horizontally offsite.

2. As required by EPA, WDIG generated a Field Sampling and Analysis Plan (FSAP) (TRC, Environmental Solutions, Inc. 1997d) and Quality Assurance Project Plan (QAPP) (TRC Environmental Solutions, Inc., 1997a) to support the monitoring activities.

3.1 SOIL GAS FIELD MONITORING PROCEDURES

1. Prior to collecting a vapor well sample (i.e., summa canister) for laboratory analysis, the following parameters were collected using field instrumentation (Foxboro TVA-1000 photo ionization detector/flame ionization detector [PID/FID] and Landtec GEM-500):
   - Methane.
   - Oxygen.
   - Carbon Dioxide.
   - VOCs.

2. This information is to confirm that a representative soil gas sample is being collected.

3.2 SOIL GAS SAMPLING PROCEDURES

1. A detailed outline of the sampling process is provided below:
   - Required equipment and materials:
     - LANDTEC GEM-500 or GA 90 landfill gas monitor.
     - Foxboro TVA-1000 PID/FID combination air monitor with sample dilution capability.
     - In-line filters and moisture trap.
     - Dwyer magnehelic pressure gauges (various ranges).
     - One vacuum pump.
     - One stainless steel tee with tubing adapters.
     - Two stainless steel adapters to connect summa canisters to the well lead.
     - One hundred feet various 1/4- and 1/2-inch-diameter Tygon tubing.
     - Barometer.
     - Thermometer.
     - Timer/stop watch.
     - Gas collection well monitoring data sheets.
     - Six-liter summa canisters.

- Preliminary inspection procedures:
  - Lab cocks in place.
  - Well box labeled.
  - Surface completion intact.
  - Check valve positions.
  - Repair leaks and replace missing or damaged fittings.
- Measure static pressure conditions as follows:
  - Using the appropriate magnehelic gauge and Tygon tubing, attach the gauges to the well head lab cock. Record initial static pressure on the field data sheet.
- Measure ambient air temperature and barometric pressure conditions as follows:
  - Ambient air temperature and barometric pressure is measured using a portable thermometer and barometer. Record information on the field data sheet.
- Measure preliminary gas composition conditions as follows:
  - LANDTEC GEM-500 or GA-90 is connected to well lab cock using Tygon tubing and an in-line filter. Lab cock is opened and well gas composition is recorded on the field data sheet after readings reach equilibrium (approximately 2 minutes).
  - Remove the lab cock and tubing.
  - Connect the vacuum pump to well lab cock using Tygon vacuum tubing and start the pump.
  - Pressure gauge stationed on pump is checked for a full vacuum and leaks repaired if necessary.
  - Inlet line also contains a tee with an in-line thermometer to measure gas temperature during purging, a flow meter to measure gas flow and a water trap.
  - Vacuum outlet line also contains a tee to connect the GEM-500 and PID/FID to monitor gas composition during purging.
  - Lab cock is opened and well is purged of three volumes.
  - Gas composition readings are recorded on the field data sheet.
  - Increases in pressure in-line from the gauge on the vacuum pump are noted.
  - Lab cock is closed and Tygon tubing removed. Line is purged with ambient air until instrument readings return to ambient conditions, then the pump is turned off.
- Sampling procedures are as follows:
  - Well gas static pressure is monitored and recorded on the field data sheet. If pressure does not return to initial pressure, the pressure is rechecked later.
  - A summa canister is connected to the lab cock using Tygon tubing and the canister filled to capacity.
  - Canister is sealed by closing the valve and replacing the cap.

- Duplicate or split samples are collected for QA/QC and for the oversight agency. Both canisters are sampled simultaneously.
- Tubing is discarded after each well sample.
- Use of generators, vehicles or other potential sources of contamination upwind is limited during sampling.

- Samples are collected and delivered to a state-certified laboratory, via courier, and analyzed using the methods noted below.
- As required by the FSAP (TRC Environmental Solutions, Inc., 1997d) and QAPP (TRC Environmental Solutions, Inc., 1997a), field blanks and field duplicates were collected as required. The frequency and type of QA/QC sampling is discussed in Chapter 5.0.

2. Organic analyses of the vapor well samples (including QC samples) were performed by Performance Analytical, Inc., Simi Valley, California. These samples were collectively analyzed for volatiles by EPA Method TO-15 and for methane and total gaseous nonmethane organic compounds (TGNMOC) by EPA Method 25C using either a FID or a thermal conductivity detector (methane only).

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4.0 SOIL GAS MONITORING RESULTS AND DATA EVALUATION

1. Data provided in this report are based on four quarters of sampling events (February 1999 through November 1999) and were collected using the procedures summarized in Chapter 3.0 and as indicated in the Subsurface Gas Quarterly Monitoring Plan and the relevant FSAP and QAPP documents.

2. Results of the soil gas monitoring are summarized by Site area. The summary for each area is divided into the following sections below:
   - Shallow Vapor Wells
   - Intermediate Vapor Wells
   - Deep Vapor Wells
   - RI Vapor Wells

3. Results of soil gas field monitoring procedures as described in Section 3.1, will not be addressed in this report with the exception where significant differences occurred between the laboratory and field results. Results of the field monitoring are provided as database in Appendix A.

4.1 SOIL VAPOR MONITORING RESULTS

1. Tables 4.1 through 4.4 summarize the analytical results for each sampling event conducted during 1999. Figures 4.1 through 4.5 show the 1999 analytical data by area. Tables 4.5 and 4.6 show the critical wells with ITSL exceedances in 1999. Table 4.7 is a summary of trend data for selected vapor wells. Appendix B contains figures showing the 1998 vapor well monitoring results by area. Laboratory reports and supporting QA documentation are provided in Appendix C on CD-ROM.

2. The following subsections summarize the COCs with ITSLs for soil gas monitoring and are separated by area and zone of monitoring (i.e., shallow, intermediate and deep). RI vapor well results are also included.

4.1.1 AREA 1 MONITORING LOCATIONS

4.1.1.1 Shallow Vapor Wells

1. Critical shallow wells in Area 1 include the following wells as shown in Table 4.5:
   - VW46-07 (Methane)
   - VW62-08 (Methane)

2. Vapor well VW40-10 had two ITSL exceedances for methane in 1998, however methane concentrations decreased during 1999. According to the definition of a critical well, this well is still considered critical.

3. The remaining wells (VW-35, -36, -37, -38, -39, -40, -44 and -63) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999 using the 30 percent relative percent difference rule.

4.1.1.2 Intermediate Vapor Wells

1. Vapor well VW62-18 in Area 1 showed an ITSL exceedance for vinyl chloride during the Fourth Quarter 1998. This exceedance makes it a critical well. However, vinyl chloride concentrations decreased during 1999.

2. The remaining wells (VW-44, -46 and -63) did not show ITSL exceedances and there have not been significant changes in the gas concentration level from 1998 to 1999.

4.1.1.3 Deep Vapor Wells

1. Critical deep wells in Area 1 include the following well as shown in Table 4.5:
   - VW35-38 (TCE)

2. Vapor wells VW44-30 and VW62-29 showed ITSL exceedances for vinyl chloride during 1998. These exceedances make them critical wells. However, vinyl chloride concentrations decreased during 1999.

3. The remaining wells (VW-36, -37, -39, -40, -46 and -63) did not show ITSL exceedances and there have not been significant changes in gas concentration levels from 1998 to 1999.

4.1.1.4 RI Vapor Wells

1. Critical RI vapor wells in Area 1 include the following well as shown in Table 4.5:
   - VW18-36 (Benzene)

2. Vapor wells VW10-35 and VW11-35 showed ITSL exceedances during 1998 for vinyl chloride and methane, respectively, which makes these wells critical. However, concentrations of vinyl chloride in VW10-35 and concentrations of methane in VW11-35 decreased during 1999.

3. The remaining wells (VW-16 and -17) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

4. VW-16 and -17 were not sampled during the Fourth Quarter 1999 due to implementation of the reduced sampling program.

4.1.2 AREA 2 MONITORING LOCATIONS

4.1.2.1 Shallow Vapor Wells

1. Critical shallow wells in Area 2 include the following wells as shown in Tables 4.5 and 4.6:
   - VW45-12 (methane, benzene, cis-1,2-dichloroethene, m,p-xylenes, toluene, trans-1,2-dichloroethene, vinyl chloride)
   - VW48-08 (methane, benzene, vinyl chloride)

2. The remaining wells (VW-41, -42, -43 and -47) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

3. VW-43, -47 and -48 were not sampled during the Fourth Quarter due to implementation of the reduced sampling program.

4.1.2.2 Intermediate Vapor Wells

1. Critical intermediate wells in Area 2 include the following wells as shown in Table 4.5:
   - VW43-19 (methane, vinyl chloride)
   - VW45-22 (methane, benzene, cis-1,2-Dichloroethene and vinyl chloride)
   - VW48-17 (methane, benzene)

2. The remaining wells (VW-41 and -47) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

3. VW-43, -47 and -48 were not sampled during the Fourth Quarter 1999 due to implementation of the reduced sampling program.

4.1.2.3 Deep Vapor Wells

1. Critical deep wells in Area 2 include the following wells as shown in Table 4.5:
   - VW43-32 (methane, vinyl chloride)
   - VW45-30 (methane, benzene, vinyl chloride)
   - VW48-35 (methane)

2. The remaining wells (VW-42 and -47) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

3. VW-43, -47 and -48 were not sampled during the Fourth Quarter due to implementation of the reduced sampling program.

4.1.2.4 RI Vapor Wells

1. Critical RI wells in Area 2 include the following well as shown in Table 4.6:
   - VW04-23 (methane, benzene, vinyl chloride)

2. Vapor wells VW02-35 and VW03-35 showed ITSL exceedances during 1998 for methane which makes these wells critical. However methane concentrations decreased during 1999.

3. The remaining wells (VW-01 and -05) did not show ITSL exceedances and there have not been significant changes in gas concentration levels from 1998 to 1999.

4. VW-01, -02, -03, -04, -05 and -08 were not sampled during the Fourth Quarter 1999 due to implementation of the reduced sampling program.

4.1.3 AREA 3 MONITORING LOCATIONS

4.1.3.1 Shallow Vapor Well

1. Area 3 has one shallow well (VW-28-10), which has not shown ITSL exceedances.

4.1.3.2 Intermediate Vapor Wells

1. Area 3 does not contain intermediate vapor wells.

4.1.3.3 Deep Vapor Well

1. Area 3 has one deep well (VW28-25) and it has not shown ITSL exceedances.

4.1.3.4 RI Vapor Wells

1. Area 3 does not contain RI vapor wells.

4.1.4 AREA 4 MONITORING LOCATIONS

4.1.4.1 Shallow Vapor Well

1. Area 4 has one shallow vapor well (VW29-10) and it has not shown ITSL exceedances.

4.1.4.2 Intermediate Vapor Well

1. Area 4 has one intermediate vapor well (VW29-23) and it has not shown ITSL exceedances.

4.1.4.3 Deep Vapor Well

1. Area 4 has one deep vapor well (VW29-35) and it has not shown ITSL exceedances.

4.1.4.4 RI Vapor Well

1. Vapor well VW06-34 in Area 4 showed ITSL exceedance for methane and vinyl chloride during the First Quarter 1998. These exceedances make it a critical well. However, methane and vinyl chloride concentrations decreased during 1999.

2. VW-06 was not sampled during the Fourth Quarter 1999 due to implementation of the reduced sampling program.

4.1.5 AREA 5 MONITORING LOCATIONS

4.1.5.1 Shallow Vapor Wells

1. The shallow vapor wells in Area 5 (VW-30, -51, MP-01 and MP-02) did not show ITSL exceedances.

4.1.5.2 Intermediate Vapor Wells

1. Critical intermediate wells in Area 5 include the following wells a shown in Table 4.5:
   - MP01-15 (methane, benzene)
   - MP02-15 (methane, benzene)
   - VW51-18 (methane, benzene)

2. The remaining well (VW30-23) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

4.1.5.3 Deep Vapor Wells

1. Critical deep wells in Area 5 include the following well as shown in Table 4.5:
   - VW51-30 (methane, benzene, trichloroethene [TCE], tetrachloroethene [PCE] and vinyl chloride).

2. Vapor well VW30-35 showed an ITSL exceedance for methane during the Second Quarter 1998, which makes it a critical well. However, methane concentration decreased during 1999.

4.1.5.4 RI Vapor Wells

1. Area 5 does not contain RI vapor wells.

4.1.6 AREA 6 MONITORING LOCATIONS

4.1.6.1 Shallow Vapor Well

1. Area 6 has one shallow well (VW31-10), which has not shown ITSL exceedances.

4.1.6.2 Intermediate Vapor Wells

1. Area 6 does not contain intermediate vapor wells.

4.1.6.3 Deep Vapor Well

1. Area 6 has one deep well (VW31-30), which has not shown ITSL exceedances.

4.1.6.4 RI Vapor Well

1. Area 6 has one RI well (VW12-34), which has not shown ITSL exceedances.

2. VW-12 was not sampled during the Fourth Quarter due to implementation of the reduced sampling program.

4.1.7 AREA 7 MONITORING LOCATIONS

4.1.7.1 Shallow Vapor Wells

1. Area 7 has two shallow wells (VW32-08 and VW50-08), which have not shown ITSL exceedances.

4.1.7.2 Intermediate Vapor Wells

1. Area 7 has two intermediate wells (VW32-18 and VW50-18), which have not shown ITSL exceedances.

4.1.7.3 Deep Vapor Wells

1. Area 7 has two deep wells (VW32-35 and VW50-35), which have not shown ITSL exceedances.

4.1.7.4 RI Vapor Wells

1. Critical RI wells in Area 7 include the following well as shown in Table 4.5:
   - VW25-35 (methane)

2. The remaining well (VW26-35) did not show ITSL exceedances and there has not been significant change in the gas concentration levels from 1998 to 1999.

4.1.8 AREA 8 MONITORING LOCATIONS

4.1.8.1 Shallow Vapor Wells

1. Critical shallow wells in Area 8 include the following wells as shown in Table 4.5:
   - VW53-10 (methane, vinyl chloride)
   - VW55-05 (methane)
   - VW56-08 (methane)
   - VW58-08 (TCE)

2. The remaining wells (VW27, -33, -34, -49, -52, -54, -57, -59, -60 and -61) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

4.1.8.2 Intermediate Vapor Wells

1. Critical intermediate wells in Area 8 include the following wells as shown in Table 4.5:
   - VW49-18 (PCE)
   - VW52-19 (1,2-Dichloropropene)
   - VW53-20 (TCE)
   - VW55-18 (methane, TCE, vinyl chloride)
   - VW56-17 (TCE)
   - VW57-18 (TCE)
   - VW58-19 (TCE)
   - VW61-19 (vinyl chloride)

2. The remaining wells (VW-27, -34, -54, -59 and -60) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

4.1.8.3 Deep Vapor Wells

1. Critical deep wells in Area 8 include the following wells as shown in Table 4.5:
   - VW33-35 (TCE)
   - VW49-30 (PCE)
   - VW52-30 (1,2-Dichloropropene)
   - VW53-30 (TCE)
   - VW55-29 (TCE and vinyl chloride)
   - VW56-28 (TCE)
   - VW57-25 (TCE)
   - VW58-29 (TCE)

2. The remaining wells (VW-27, -34, -54, -59 and -60) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

4.1.8.4 RI Vapor Wells

1. Critical RI wells in Area 8 include the following as shown in Tables 4.5 and 4.6:
   - VW13-31 (methane, vinyl chloride)
   - VW14-35 (1,2-Dichloropropene, vinyl chloride)
   - VW21-36 (vinyl chloride)
   - VW22-35 (TCE)
   - VW23-36 (TCE, vinyl chloride)

2. The remaining well (VW-20) did not show ITSL exceedances and there have not been significant changes in the gas concentration levels from 1998 to 1999.

4.2 SUMMARY OF MONITORING RESULTS

1. Based on the results presented in this chapter, the following provides a brief summary of the significant results in 1999 by area.

   Area 1:

   - VW-46 (shallow) and -62 (shallow) methane levels exceed the ITSL. VW-62 exceeded the California IWMB methane standard of 5 percent for the last two quarters.
   - Benzene levels exceed the ITSL in VW-18 (RI well).
   - TCE exceeds the ITSLs in one well (VW-35 deep).

   Area 2:

   - Methane levels in Area 2 exceed the ITSL and the IWMB methane standards in VW-45 (shallow), -48 (shallow), -45 (intermediate), -48 (intermediate) and –04 (RI well). VW-43 (intermediate and deep), -45 (deep) and -48 (deep) exceeded the ITSL standard.
   - Perimeter exceedances were not observed along the northern fenceline adjacent to St. Paul High School and the former Fedco Distribution Center.
   - Exceedances in benzene and vinyl chloride were consistent with prior investigation results, and will be addressed as part of the remedial activities.

   Area 3:

   - Soil gas ITSL exceedances were not observed.

   Area 4:

   - Soil gas ITSL exceedances were not observed.

   Area 5:

   - ITSL exceedances for methane, benzene and vinyl chloride were observed in the intermediate wells installed in the waste. Some ITSL exceedances for methane, PCE, TCE and vinyl chloride were observed in the deeper wells. However, the perimeter well was below the ITSL.

   Area 6:

   - Soil gas ITSL exceedances were not observed.

   Area 7:

   - In Area 7, VW-25, which is screened throughout, has shown variable methane levels exceeding the ITSL and IWMB methane standards. The remainder of the Area 7 wells are below ITSL standard.

Area 8:

- Area 8 monitoring results have shown a significant difference between this and other areas of the Site.
  - Results in Area 8 show ITSL exceedances for chlorinated solvents in shallow, intermediate, deep and RI wells. VW13(RI), VW-55 (shallow and immediate) and VW-56 (shallow and intermediate) exceeded the IWMB methane standard of 5 percent.

Summary and recommendations for future monitoring activities are presented in Chapter 6.0.

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5.0 QUALITY ASSURANCE/QUALITY CONTROL

1. Soil gas monitoring has been performed by WDIG as part of the 1997 RD Investigative Activities Workplan and Comprehensive Subsurface Gas Quarterly Monitoring Plan (TRC Environmental Solutions, Inc., 1997c). The QAPP outlines the procedures to be used to assure that field investigation activities provide accurate and representative data and the design calculations and drawings are complete and correct. The QAPP was approved by EPA on September 12, 1997.

2. The following sections briefly review the QA/QC field and reporting procedures for the Quarterly Subsurface Gas Monitoring Program. Section 5.2 discusses the data and its compliance with QAPP requirements.

5.1 SOIL GAS MONITORING FIELD AND LABORATORY QA/QC PROCEDURES

5.1.1 FIELD QA/QC PROCEDURES

1. As discussed in Chapter 3.0, field data is collected for the following parameters using a Foxboro TVA-1000 PID/FID and GEM-500:
   - Methane
   - Oxygen
   - Carbon dioxide
   - VOCs

2. The purpose of collecting this information is to confirm that a representative soil gas sample is being collected.

3. Field instruments are calibrated and maintained using the procedures outlined in the Standard Operating Procedure (SOP) B of the QAPP.

5.1.2 LABORATORY QA/QC PROCEDURES

1. Table 5.1 provides a summary of the Data Quality Objectives (DQO) for the subsurface gas monitoring program. Based on these requirements, relevant QA/QC levels were established.

2. Table 5.2 provides a summary of the field collection QA requirements (i.e., collection of trip blanks, field blanks, field duplicates and matrix spikes and matrix spike duplicates) for vapor well samples.

3. Vapor well samples are to be collected and submitted to a state-certified laboratory under a chain-of-custody, as indicated in SOP I of the QAPP.

4. Table 5.3 provides a summary of Laboratory QC analysis limits for the soil gas samples. This table indicates guidelines for detection limits, accuracy, precision and completeness for each analyte. Table 5.3 also specifies the sample container types, preservation system and maximum allowable holding time.

5. Table 5.4 provides a summary of the relevant internal laboratory QA requirements for vapor well samples, which include calibration requirements, blank analyses, method blanks, matrix spike and matrix spike duplicates and surrogate compound requirements.

5.2 QA/QC FIELD AND LABORATORY DATA EVALUATION

5.2.1 FIELD DATA EVALUATION

1. As part of the field data collection, the field instrumentation was calibrated on a regular basis, as required by the QAPP. Calibration records for the field monitoring activities are included on CD-ROM. Based on these records, the QAPP requirements have been achieved.

5.2.2 LABORATORY DATA ANALYSES

1. Laboratory data is divided into two levels of evaluation. The first area is data inspection which evaluates the following elements as shown in Table 5.3.
   - Detection Limits
   - Accuracy
   - Precision
   - Completeness
   - Container Type
   - Preservation
   - Holding

2. The second level of evaluation is the formal data validation process. In this process, each data point is evaluated for its adherence with the project QA/QC requirements. Results of formal data validation activities are presented in Section 5.3.

3. Data presented in Chapter 4.0 has been evaluated for its compliance with the requirements provided in Table 5.3 (see Table 5.5 for results of evaluation).

5.3 DATA VALIDATION RESULTS

1. Based on the QA review of Level IV deliverables with regard to holding times; blank analysis results; surrogate recoveries; duplicate recoveries; calibrations; retention time windows and shifts; laboratory control sample (LCS) recoveries; internal standard recoveries analytical sequence and instrument sensitivity, this data meets the general requirements for compliance, accuracy and precision.

2. Overall, the organic data quality for this data set was good. Reporting requirements were met for this data set. It should be noted that the data issues discussed below are clerical in nature and do not necessarily affect data usability.

3. With regard to data usability, the principal areas of concern include blank contamination, results exceeding the calibration range of the instrument, low but acceptable precision between sample duplicates and quanitation of results below the quanitation limits. It should be noted that the following data usability issues represent an interpretation of QC results for the project samples. Quite often, data qualifications address issues relating to problems associated with the sample matrix. Similarly, the validation guidelines routinely specify areas of the data that require qualification for which the analytical methods applied do not require corrective action by the laboratory. Tables 5.6a through 5.6d and 5.7 provide a summary of the laboratory data qualifiers and field duplicate QA/QC evaluation.

4. Table 5.7 provides an evaluation of field duplicate analysis. The field duplicates generally agree within 50 percent of the actual value with the exception of those listed in Table 5.7. This difference in values is most likely due to a leak during sampling.

5. A copy of the data validation reports for the soil gas monitoring conducted during 1999 is included on CD ROM.

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6.0 SUMMARY

6.1 SUMMARY OF FINDINGS

1. Findings for the Subsurface Gas Monitoring program are summarized below by site area.

6.1.1 AREA 1

1. In Area 1, the vapor well results indicate the following conditions:
   - Perimeter wells: Perimeter wells in Area 1 are below the California IWMB 5.0 percent methane standard. VW-35 (deep well), near Los Nietos Road has shown elevated TCE levels above the ITSL.
   - Onsite structures: VW-18 located near the southeast corner of the Site between two buildings has shown elevated benzene levels above the ITSL.

   Table 6.1 provides a summary of the critical wells in Area 1.

2. Based on the data collected during the four quarters, the soil gas levels in Area 1 appear to be relatively stable, or in some cases decreasing slightly.

6.1.2 AREA 2

1. The vapor wells in Area 2 have shown the following conditions:
   - Perimeter wells: Perimeter wells on the north portion of Area 2 are below the California IWMB criteria and ITSLs.
   - Onsite structures: There is one onsite structure partially located in Area 2. In-business monitoring of C&E Die building has not shown evidence of soil gas infiltration.

2. Soil gas levels in Area 2 are generally higher than the remainder of the Site due to the elevated methane and VOC levels in the reservoir. Soil gas levels appear to be relatively stable in Area 2.

3. Table 6.2 provides a summary of the critical wells in Area 2.

6.1.3 AREAS 3, 4 AND 5

1. Vapor well monitoring in Areas 3, 4 and 5 has indicated the following conditions:
   - Perimeter wells: Perimeter wells in Areas 3, 4 and 5 are below the California IWMB standards.

- Onsite structures: Vapor well VW-51 (intermediate and deep wells), monitoring points MP-01 and -02 located near the structure in Area 5 have shown elevated methane, benzene and vinyl chloride levels. In-business monitoring of Brothers building has not shown evidence of soil gas infiltration.

2. Table 6.3 provides a summary of the critical wells in Areas 3, 4 and 5.

6.1.4 AREAS 6 AND 7

1. Vapor well monitoring of Areas 6 and 7 have indicated the following conditions:
   - Perimeter wells: Perimeter wells in Areas 6 and 7 are below the California IWMB standards and ITSLs.
   - Onsite structures: There are no onsite structures in Areas 6 and 7.

2. Table 6.3 provides a summary of the critical well in Areas 6 and 7.

6.1.5 AREA 8

1. Vapor well monitoring in Area 8 has indicated the following conditions:
   - Perimeter wells: Perimeter wells in Area 8 are below California IWMB standards and ITSLs.
   - Onsite structures: VW-13 (RI well) and VW-23 (RI well) have shown elevated vinyl chloride levels above the ITSL, but below IALs. In-business monitoring of structures in these areas has not shown an indication of soil gas infiltration.

2. Table 6.4 provides a summary of the critical wells in Area 8.

6.2 SUMMARY OF SOIL GAS CONDITIONS

1. As determined from earlier work, elevated methane and VOC concentrations are not prevalent over most of the Site. The satisfaction of state regulatory criteria for boundary areas and areas near to most structures has been confirmed, except as discussed in Section 6.1. In-business air monitoring of these structures has not indicating elevated levels of the COCs.

2. Elevated concentrations of subsurface gases continue to be observed in Areas 1, 2, 5, 7 and 8.

6.3 VAPOR WELL MONITORING PLAN

1. Based on the data presented, this section discusses the Quarterly Vapor Well Monitoring Plan as shown in Table 6.5.

2. A good correlation between the field monitoring and the analytical results was seen throughout the 1999 monitoring period. Monitoring data indicated a high correlation ($r = 0.848$)[3] with the laboratory methane analysis results. Monitoring data for total VOC also showed a good correlation ($r = 0.792$)[3] with the laboratory total VOC analysis. Therefore, given the current site conditions and ten quarters of monitoring and laboratory analysis, it was recommended that the vapor wells be monitored quarterly using field monitoring procedures and sampled and analyzed semiannually.

3. Table 6.5 shows the Vapor Well Monitoring Plan:
   - Vapor wells VW-10, -11, -27, -28, -31, -32, -44, -45, -46, -49 through -55, -57 through -63, MP-01 and MP-02 will be sampled and analyzed quarterly.
   - Vapor wells VW-13, -14, -18, -22, -25, -29, -30, -33 through -43, -48 and -56 will be field monitored quarterly and sampled and analyzed semiannually.
   - Vapor wells VW-1 through -6, -8, -12, -16, -17, -20 through -24, -26 and -27 will be field monitored quarterly.

4. In order to determine if a well that is being field monitored should be sampled, a "decision point concentration" criterion for total VOCs and methane has been developed for each well. The "decision point concentration" criterion is the mean of the data for recent sampling events (1998 to present). A relative percent difference (RPD) will be derived using the "decision point concentration" (E) and the "observed concentration" (O) from the monitoring instrument. $RPD = \left|\frac{E - O}{E}\right|$. For those situations where the RPD of either the total VOCs or methane concentration exceeds 30 percent and the observed concentration is greater than the "decision point concentration" criterion, then methane or total VOCs will be sampled and analyzed in accordance with the approved sampling and analysis procedures. The field team will be presented with a spreadsheet with the "decision point concentration" criterion.

5. The vapor well monitoring reductions will not adversely affect the objectives of the vapor well monitoring program or the quality of the data collected.

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(3) Correlation coefficient based on a statistical comparison of the field measurements and laboratory analyses.

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7.0 REFERENCES

CDM Federal Programs Corporation. 1999. *Subsurface Gas Contingency Plan Investigations Report.* January 18, 1999.

EBASCO Services Incorporated. 1989. *Final Remedial Investigation Report, Waste Disposal, Inc.,* Santa Fe Springs, California. EPA Contract 68-01-7250. November 1989.

Environmental Solutions, Inc. 1995. *Predesign and Intermediate (60%) Design Report, Soils and Subsurface Gas Remedial Design, Waste Disposal, Inc. Superfund Site,* Santa Fe Springs, California. October 1995.

United States Environmental Protection Agency (EPA). 1997a. *Docket No. 97-09 - Amended Administrative Order for Remedial Design and Other Response Actions (Amending Docket No. 94-17).* 1997.

EPA. 1997b. *Attachment 2- Amended Statement of Work for Remedial Design. Waste Disposal, Inc. Superfund Site Soil and Subsurface Gas Operable Unit,* Santa Fe Springs, California. March 1997.

EPA. 1997c. *Subsurface Gas Contingency Plan. Waste Disposal, Inc. Superfund Site Summary.* 1997.

EPA. 1993. *Record of Decision (ROD) - Soils and Subsurface Gas Operable Unit.* December 22, 1993.

TRC. 1999. *Remedial Design (RD) Investigative Activities Summary Report.* August 1999.

TRC Environmental Solutions, Inc. 1997a. *Revised Supplemental Quality Assurance Project Plan (Rev. 1.0).* Waste Disposal, Inc. Superfund Site. October 1997.

TRC Environmental Solutions, Inc. 1997b. *Remedial Design Investigative Activities Workplan, Waste Disposal, Inc. Superfund Site,* Santa Fe Springs, California. August 29, 1997.

TRC Environmental Solutions, Inc. 1997c. *Comprehensive Subsurface Gas Quarterly Monitoring Plan (Rev. 1.0).* Waste Disposal, Inc. Superfund Site. July 1997.

TRC Environmental Solutions, Inc. 1997d. *Revised Supplemental Field Sampling and Analysis Plan (Rev. 1.0).* Waste Disposal, Inc. Superfund Site. October 1997.

TRC Environmental Solutions, Inc. 1996. *Prefinal (90%) Design Report Soils and Subsurface Gas Remedial Design.* April 1996.

TABLES

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TABLE 1.1

1999 CRITICAL PERIMETER VAPOR WELLS [1]
WASTE DISPOSAL, INC. SUPERFUND SITE

Area	Well	Constituent
Area 1	VW10-35	Vinyl Chloride
	VW11-35	Methane
	VW18-36	Benzene
	VW35-38	Trichloroethene
	VW40-10	Methane
	VW44-30	Vinyl Chloride
	VW46-07	Methane
	VW62-08	Methane
	VW62-18	Vinyl Chloride
	VW62-29	Vinyl Chloride
Area 5	VW30-35	Methane
	VW51-18	Methane
		Benzene
	VW51-30	Methane
		Benzene
		Tetrachloroethene
		Trichloroethene
		Vinyl Chloride
	MP1-15	Methane
		Benzene
	MP2-15	Methane
		Benzene
Area 8	VW13-31	Methane
		Vinyl Chloride
	VW21-36	Trichloroethene
	VW22-35	Trichloroethene
	VW23-36	Trichloroethene
		Vinyl Chloride
	VW33-35	Trichloroethene
	VW49-18	Tetrachloroethene
	VW49-30	Tetrachloroethene
	VW53-10	Methane
		Vinyl Chloride
	VW53-20	Trichloroethene
	VW53-30	Trichloroethene
	VW55-05	Methane
	VW55-18	Methane
		Trichloroethene
		Vinyl Chloride
	VW55-29	Trichloroethene
		Vinyl Chloride
	VW56-08	Vinyl Chloride
	VW56-17	Trichloroethene
	VW56-28	Trichloroethene
	VW57-18	Trichloroethene
	VW57-25	Trichloroethene
	VW58-08	Trichloroethene
	VW58-19	Trichloroethene
	VW58-29	Trichloroethene
	VW61-19	Vinyl Chloride

[1] A critical well is defined as a well with ITSL exceedances during the past 2 years.

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TABLE 1.2

1999 CRITICAL INTERIOR VAPOR WELLS[1]
WASTE DISPOSAL, INC. SUPERFUND SITE

Area	Well	Constituent
Area 2	VW02-35	Methane
	VW03-35	Methane
	VW04-23	Methane
		Benzene
		Vinyl Chloride
	VW43-19	Methane
		Vinyl Chloride
	VW43-32	Methane
		Vinyl Chloride
	VW45-12	Methane
		Benzene
		cis-1,2-dichloroethene
		m-& p-Xylenes
		Toluene
		trans-1,2-dichloroethene
		Vinyl Chloride
	VW45-22	Methane
		Benzene
		cis-1,2-dichloroethene
		Vinyl Chloride
	VW45-30	Methane
		Benzene
		Vinyl Chloride
	VW48-08	Methane
		Benzene
		Vinyl Chloride
	VW48-17	Methane
		Benzene
	VW48-35	Methane
Area 4	VW06-34	Methane
		Vinyl Chloride
Area 7	VW-25-35	Methane
Area 8	VW14-35	1,2-Dichloropropene
		Vinyl Chloride
	VW52-19	1,2-Dichloropropene
	VW52-30	1,2-Dichloropropene

[1] A critical well is defined as a well with ITSL exceedances during the past 2 years.

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TABLE 2.1

LIST OF EXISTING VAPOR WELLS AND CONSTRUCTION DETAILS WASTE DISPOSAL, INC. SUPERFUND SITE

LOCATION	WELL IDENTIFI-CATION	TYPE	TOTAL DEPTH (ft)	SCREENED INTERVAL (ft) AND MATERIAL TYPE(1)							
				Shallow Probes	Type	Intermediate Probes	Type	Deep Probes	Type	RI Probes	Type
Area 1	VW-10	Perimeter(2)	38	–	–	–	–	–	–	5-35	A
	VW-11	Perimeter	45	–	–	–	–	–	–	5-35	A
	VW-16	Perimeter	35	–	–	–	–	–	–	5-34	A
	VW-17	Perimeter	35	–	–	–	–	–	–	5-35	A
	VW-18	Perimeter	36	–	–	–	–	–	–	6-36	A
	VW-35	Perimeter(2)	38	5-10	F	–	–	33-38	N	–	–
	VW-36	Perimeter	30	5-10	F	–	–	25-30	N	–	–
	VW-37	Perimeter	30	7-10	F	–	–	25-30	N	–	–
	VW-38	Perimeter	35	5-10	F	–	–	29-34	N	–	–
	VW-39	Perimeter	30	5-7	F	–	–	25-30	N	–	–
	VW-40	Perimeter	25	5-10	F	–	–	20-25	N	–	–
	VW-44	Perimeter	30	5-7	F	13-16	N	25-30	N	–	–
	VW-46	Perimeter	30	4.5-6.5	F	12-15	N	22-27	N	–	–
	VW-62	Perimeter	31	5-10	N	15-18	N	25-30	N	–	–
	VW-63	Perimeter	29	5-8	F,S	14-18	N	23-28	N	–	–
Area 2	VW-01	Interior	35	–	–	–	–	–	–	5-35	A
	VW-02	Interior	35	–	–	–	–	–	–	5-35	A
	VW-03	Interior	35	–	–	–	–	–	–	5-35	A
	VW-04	Interior	23	–	–	–	–	–	–	6-23	A
	VW-05	Interior	30	–	–	–	–	–	–	4-29	A
	VW-08	Interior	35	–	–	–	–	–	–	5-35	A
	VW-15	(3)	45	–	–	–	–	–	–	5-35	A
	VW-41	Perimeter	20	5-7	F	–	–	15-20	N	–	–
	VW-42	Perimeter	30	5-10	F	–	–	25-30	N	–	–
	VW-43	Interior	33	5-10	F	16-19	N	27-32	N	–	–
	VW-45	Perimeter	30	7.5-12.5	F	18.5-21.5	N	27-30	N	–	–
	VW-47	Interior	30	4.5-7.5	F	13-18	N	26-30	N	–	–
	VW-48	Interior	35	5-8	F	12-17	S	30-35	N	–	–
Area 3	VW-28	Perimeter	25	5-10	F	–	–	25-30	N	–	–
Area 4	VW-06	Interior	35	–	–	–	–	–	–	4-34	A
	VW-29	Perimeter	35	7-10	F	18-23	N	30-35	N	–	–
Area 5	VW-07	(3)	36	–	–	–	–	–	–	5-35	A
	VW-30	Perimeter	35	5-7	F	18-23	N	30-35	N	–	–
	VW-51	Perimeter	35	5-8	F	13-18	S	25-30	N	–	–
	MP-01	Perimeter									
	MP-02	Perimeter									
Area 6	VW-12	Interior	36.3	–	–	–	–	–	–	4-34	A
	VW-31	Perimeter	35	5-10	F	–	–	25-30	N	–	–
Area 7	VW-25	Interior	35	–	–	–	–	–	–	5-35	A
	VW-26	Interior	38	–	–	–	–	–	–	5-35	A
	VW-32	Perimeter	35	4.5-7.5	F	13-18	N	30-35	N	–	–
	VW-50	Perimeter	35	5-8	F	13-18	N	30-35	N	–	–

(1) Material type: F = Fill Material.
S = Sump-like Material.
N = Native Material.
A = All Material (fill, sump-like and native).

(2) Perimeter type includes wells within 100 feet of a structure, as well as perimeter wells.

(3) Abandoned.

– = Not Applicable.

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TABLE 2.1

LIST OF EXISTING VAPOR WELLS AND CONSTRUCTION DETAILS WASTE DISPOSAL, INC. SUPERFUND SITE (Continued)

LOCATION	WELL IDENTIFI-CATION	TYPE	TOTAL DEPTH (ft)	SCREENED INTERVAL (ft) AND MATERIAL TYPE(1)							
				Shallow Probes	Type	Intermediate Probes	Type	Deep Probes	Type	RI Probes	Type
Area 8	VW-13	Perimeter	35	–	–	–	–	–	–	6-31	A
	VW-14	Interior	35.5	–	–	–	–	–	–	5.5-35.5	A
	VW-19	(3)	45	–	–	–	–	–	–	6-36	A
	VW-20	Perimeter	35.5	–	–	–	–	–	–	5.5-35.5	A
	VW-21	Perimeter	36	–	–	–	–	–	–	6-36	A
	VW-22	Perimeter	35	–	–	–	–	–	–	5-35	A
	VW-23	Perimeter	36	–	–	–	–	–	–	6-36	A
	VW-24	Perimeter	35	–	–	–	–	–	–	5-35	A
	VW-27	Interior	35	6-9	F	16-19	N	28-33	N	–	–
	VW-33	Perimeter	35	5-10	F	–	–	30-35	N	–	–
	VW-34	Perimeter	45	5-10	F	18-23	N	35-40	N	–	–
	VW-49	Perimeter	35	5-10	F	15-18	F	25-30	N	–	–
	VW-52	Interior	30	5-10	F	14-19	N	25-30	N	–	–
	VW-53	Perimeter	30	7-10	F,S	15-20	N	25-30	N	–	–
	VW-54	Perimeter	34	8-12	F,S	17-20	N	25-30	N	–	–
	VW-55	Perimeter	31	5-10	F,S	15-18	N	25-30	N	–	–
	VW-56	Perimeter	31	5-8	F	15-20	N	25-30	N	–	–
	VW-57	Perimeter	31.5	4-7	F,S	13-18	N	23-26	N	–	–
	VW-58	Perimeter	31	5-8	F	14-19	N	24-29	N	–	–
	VW-59	Perimeter	31	5-8	F	15-18	N	25-30	N	–	–
	VW-60	Perimeter	32	5-8	F,S	14-19	N	25-30	N	–	–
	VW-61	Perimeter	34	5-9	F	14-19	N	25-30	N	–	–
Reservoir	VW-09	Reservoir	23.5	–	–	–	–	–	–	3-23	A

94-256/Rpts/AnSoVaMoRe(3/00) (5/16/00/rm)

(1) Material type: F = Fill Material.
S = Sump-like Material.
N = Native Material.
A = All Material (fill, sump-like and native).

(2) Perimeter type includes wells within 100 feet of a structure, as well as perimeter wells.

(3) Abandoned.

– = Not Applicable.

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TABLE 2.2

SOIL GAS AND INDOOR AIR INTERIM THRESHOLD SCREENING LEVELS FOR CHEMICALS OF CONCERN WASTE DISPOSAL, INC. SUPERFUND SITE

COMPOUND	SOIL GAS THRESHOLD VALUE (ppbv)	INDOOR AIR THRESHOLD VALUE (ppbv)	SITE BOUNDARY THRESHOLD VALUE (ppbv)
Acetone	31,200	312.0	15,600
Benzene	200	2.0	100
Carbon Tetrachloride	68	0.68	34
Chloroethane	75,200	752.0	37,600
Chloroform	340	3.4	170
Dibromoethane	6	0.06	3
1,2-Dichloroethane	360	3.6	180
cis-1,2-Dichloroethane	1,860	18.6	930
1,1-Dichloroethane	25,600	256.0	12,800
1,2-Dichloropropane	186	1.86	93
trans-1,2-Dichloroethene	3,680	36.8	1,840
Ethylbenzene	49,000	490.0	24,500
Tetrachloroethene (Perc)	1,064	10.6	532
Toluene	21,200	212.0	10,600
1,1,2-Trichlorethane	440	4.4	220
1,1,1-Trichloroethane	36,800	368.0	18,400
Trichloroethene	822	8.2	411
Vinyl Chloride	25	0.25	12.5
m,p-Xylene	14,280	142.8	7,140
o-Xylene	14,280	142.8	7,140
Methane (%)	5	1.25	1.25

94-256/Rpts/AnSoGaMoRe (3/00) (5/16/00/rm)

Source: CDM Federal Programs Corporation, Subsurface Gas Contingency Plan Investigation Report, Waste Disposal, Inc. Superfund Site, January 18, 1999.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE

Sample Location	VW01-035			VW01-035			VW02-035			VW03-035			VW04-023			VW05-029			VW05-029			VWFD05-029			VW06-034		
Sample Number	WDI-VW01-35-05			WDI-VW01-35-05			WDI-VW02-35-05			WDI-VW03-35-05			WDI-VW04-23-05			WDI-VW05-29-05			WDI-VW05-29-05			WDI-VWFD05-29-05			WDI-VW06-34-05		
Sample Type	REG			DUP			REG			REG			REG			REG			DUP			REG			REG		
Sample Depth	35			35			35			35			23			29			29			29			34		
Sample Date	2/5/99			2/5/99			2/3/99			2/5/99			2/5/99			2/3/99			2/3/99			2/3/99			2/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900259-003			P9900259-003DUP			P9900233-009			P9900259-002			P9900259-004			P9900233-010			P9900233-010DUP			P9900233-011			P9900233-008		
Analysis Date	2/11/99			2/11/99			2/5/99			2/11/99			2/11/99			2/5/99			2/5/99			2/5/99			2/5/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**23**		0.50	**23**		0.50	**1,300**		0.50	**1,800**		0.50	**11,800**		1,000	**4,000**		0.50	**4,000**		0.50	**4,100**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**110**		1.0	**110**		1.0	**31**		1.0	**160**		1.0	**3,000**		1.0	**29**		1.0	**32**		1.0	**33**		1.0	**10**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	37	U	37	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	29	U	29	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	37	U	37	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	49	U	49	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	50	U	50	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	26	U	26	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	33	U	33	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	49	U	49	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	43	U	43	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	33	U	33	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	33	U	33	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4				1.4	U	1.4	**3.0**		1.4	68	U	68	1.4	U	1.4				1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	49	U	49	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98				0.98	U	0.98	**0.78**	J	0.98	49	U	49	0.98	U	0.98				0.98	U	0.98	**0.63**	J	0.98
Acetone	**6.7**		1.7				1.7	U	1.7	1.7	U	1.7	84	U	84	1.7	U	1.7				1.7	U	1.7	**2.7**		1.7
Benzene	1.3	U	1.3				1.3	U	1.3	**2.8**		1.3	**230**		63	**0.85**	J	1.3				1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	30	U	30	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	19	U	19	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	52	U	52	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3				**0.92**	J	1.3	1.3	U	1.3	64	U	64	**0.82**	J	1.3				1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	32	U	32	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	43	U	43	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	76	U	76	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	41	U	41	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	UJ	1.9				1.9	U	1.9	1.9	UJ	1.9	97	U	97	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	50	U	50	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	44	U	44	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	23	U	23	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92				0.92	U	0.92	**2.6**		0.92	**140**		46	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92				0.92	U	0.92	**12**		0.92	**49**		46	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	**0.67**	J	1.1				1.1	U	1.1	**2.4**		1.1	55	U	55	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	58	U	58	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92				0.92	U	0.92	**4.4**		0.92	46	U	46	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	47	U	47	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**4.4**		0.59				**0.47**	J	0.59	**67**		0.59	30	U	30	**9.0**		0.59				**9.2**		0.59	**0.58**	J	0.59
Toluene	1.1	U	1.1				1.1	U	1.1	**8.5**		1.1	53	U	53	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	50	U	50	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	44	U	44	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74				0.74	U	0.74	**2.2**		0.74	37	U	37	0.74	U	0.74				0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.60**	J	0.71				0.71	U	0.71	0.71	U	0.71	36	U	36	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	26	U	26	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	57	U	57	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	78	U	78	**1.5**	J	1.6				**2.9**		1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in parts per million by volume (ppmv); all VOC results to be reported in parts per billion by volume (ppbv).
The laboratory specified reporting detection limit (RDL) should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW08-035			VW08-035			VW10-035			VW11-035			VW12-034			VW13-031			VW14-035			VW16-034			VW17-035		
Sample Number	WDI-VW08-35-05			WDI-VW08-35-05			WDI-VW10-35-05			WDI-VW11-35-05			WDI-VW12-34-05			WDI-VW13-31-05			WDI-VW14-35-05			WDI-VW16-34-05			WDI-VW17-35-05		
Sample Type	REG			DUP			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	35			35			35			35			34			31			35			34			35		
Sample Date	2/4/99			2/4/99			2/1/99			2/2/99			2/1/99			2/8/99			2/3/99			2/1/99			2/1/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900233-012			P9900233-012DUP			P9900210-005			P9900222-003			P9900210-002			P9900259-007			P9900222-015			P9900210-003			P9900210-004		
Analysis Date	2/5/99			2/9/99			2/4/99			2/4/99			2/4/99			2/11/99			2/4/99			2/4/99			2/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				**1.6**		0.50	**92**		0.50	**0.99**		0.50	**11,000**		1,000	**4,300**		0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**12**		1.0				**22**		1.0	**26**		1.0	**44**		1.0	**200**		1.0	**51**		1.0	**21**		1.0	**9.2**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**2.9**		0.73	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	**4.1**		0.73	**120**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	**81**		0.99	**3.4**		0.99	0.99	U	0.99	2.5	U	2.5	**110**		2.5	**1.3**		0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**17**		2.5	2.5	U	2.5	**7.3**		1.0	**12**		1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	**190**		2.2	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	3.4	U	3.4	3.4	U	3.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
Acetone	**3.0**		1.7	**3.1**		1.7	**1.3**	J	1.7	**4.1**		1.7	**2.7**		1.7	4.2	U	4.2	**23**		4.2	**2.4**		1.7	**2.5**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**1.3**		1.3	**1.1**	J	1.3	**1.5**		1.3	3.1	U	3.1	**9.9**		3.1	**0.79**	J	1.3	**0.74**	J	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**1.3**		1.3	**1.6**		1.3	1.3	U	1.3	1.3	U	1.3	**1.7**		1.3	3.2	U	3.2	3.2	U	3.2	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	**7.0**		3.8	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	2.0	U	2.0	**1.3**	J	2.0	**1.5**		0.82	**0.53**	J	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	4.8	U	4.8	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	**33**		1.0	1.0	U	1.0	1.0	U	1.0	**70**		2.5	**7.2**		2.5	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**0.54**	J	0.92	**2.3**		2.3	**8.2**		2.3	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**3.8**		0.92	**10**		2.3	**5.2**		2.3	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	**1.4**		1.1	1.1	U	1.1	1.1	U	1.1	**4.4**		2.8	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	2.9	U	2.9	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.4**		0.92	**3.9**		2.3	**29**		2.3	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**2.3**		0.59	**2.4**		0.59	**4.4**		0.59	**8.8**		0.59	**31**		0.59	1.5	U	1.5	**66**		1.5	**2.7**		0.59	**18**		0.59
Toluene	**0.74**	J	1.1	**0.79**	J	1.1	1.1	U	1.1	1.1	U	1.1	**3.3**		1.1	**7.6**		2.7	2.7	U	2.7	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**10**		2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	**0.51**	J	0.74	**1.2**		0.74	**0.89**		0.74	**48**		1.9	**9.4**		1.9	**110**		0.74	**15**		0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.42**	J	0.71	1.8	U	1.8	1.8	U	1.8	**1.6**		0.71	**1.3**		0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	**0.32**	J	0.52	**0.39**	J	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	*36*		3.9	**19**		3.9	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW18-036			VW20-035			VW21-036			VW22-035			VW22-035			VW23-036			VW24-035			VW25-035			VW25-035		
Sample Number	WDI-VW18-36-05			WDI-VW20-35-05			WDI-VW21-36-05			WDI-VW22-35-05			WDI-VW22-35-05			WDI-VW23-36-05			WDI-VW24-35-05			WDI-VW25-35-05			WDI-VW25-35-05		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			DUP		
Sample Depth	36			35			36			35			35			36			35			35			35		
Sample Date	2/2/99			2/5/99			2/4/99			2/4/99			2/4/99			2/9/99			2/9/99			2/1/99			2/1/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900222-004			P9900259-001			P9900247-002			P9900247-001			P9900247-001DUP			P9900276-006			P9900269-017			P9900210-001			P9900210-001DUP		
Analysis Date	2/4/99			2/11/99			2/10/99			2/10/99			2/10/99			2/18/99			2/12/99			2/3/99			2/3/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**7.8**		0.50	**0.94**		0.50	**1.7**		0.50	**0.74**		0.50	**0.56**		0.50	**1,400**		0.50	0.50	U	0.50	**145,000**		1,000	**144,000**		1,000
Total Nonmethane (ppmv)	**10,000**		1.0	**190**		1.0	**85**		1.0	**21**		1.0	**20**		1.0	**84**		1.0	**18**		1.0	**9,300**		9.4			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	92	U	92	1.2	U	1.2	1.8	U	1.8	18	U	18				**1.3**		0.73	0.73	U	0.73	92	U	92			
1,1,2,2-Tetrachloroethane	73	U	73	0.97	U	0.97	1.5	U	1.5	15	U	15				0.58	U	0.58	0.58	U	0.58	73	U	73			
1,1,2-Trichloroethane	92	U	92	1.2	U	1.2	1.8	U	1.8	18	U	18				0.73	U	0.73	0.73	U	0.73	92	U	92			
1,1-Dichloroethane	120	U	120	1.6	U	1.6	2.5	U	2.5	25	U	25				**14**		0.99	0.99	U	0.99	120	U	120			
1,1-Dichloroethene	130	U	130	1.7	U	1.7	2.5	U	2.5	25	U	25				**22**		1.0	1.0	U	1.0	130	U	130			
1,2-Dibromoethane	65	U	65	0.87	U	0.87	1.3	U	1.3	13	U	13				0.52	U	0.52	0.52	U	0.52	65	U	65			
1,2-Dichlorobenzene	83	U	83	1.1	U	1.1	1.7	U	1.7	17	U	17				0.67	U	0.67	0.67	U	0.67	83	U	83			
1,2-Dichloroethane	120	U	120	1.6	U	1.6	2.5	U	2.5	25	U	25				0.99	U	0.99	0.99	U	0.99	120	U	120			
1,2-Dichloropropane	110	U	110	1.4	U	1.4	2.2	U	2.2	22	U	22				0.87	U	0.87	0.87	U	0.87	110	U	110			
1,3-Dichlorobenzene	83	U	83	1.1	U	1.1	1.7	U	1.7	17	U	17				0.67	U	0.67	0.67	U	0.67	83	U	83			
1,4-Dichlorobenzene	83	U	83	1.1	U	1.1	1.7	U	1.7	17	U	17				0.67	U	0.67	0.67	U	0.67	83	U	83			
2-Butanone	170	U	170	2.3	U	2.3	**3.3**	J	3.4	34	U	34				1.4	U	1.4	1.4	U	1.4	170	U	170			
2-Hexanone	120	U	120	1.6	U	1.6	2.4	U	2.4	24	U	24				0.98	U	0.98	0.98	U	0.98	120	U	120			
4-Methyl-2-Pentanone	120	U	120	1.6	U	1.6	**6.8**		2.4	24	U	24				0.98	U	0.98	0.98	U	0.98	120	U	120			
Acetone	210	U	210	**8.1**		2.8	**6.1**		4.2	42	U	42				1.7	U	1.7	**5.8**		1.7	210	U	210			
Benzene	***430***		160	2.1	U	2.1	3.1	U	3.1	31	U	31				1.3	U	1.3	1.3	U	1.3	160	U	160			
Bromodichloromethane	75	U	75	1.0	U	1.0	1.5	U	1.5	15	U	15				0.60	U	0.60	0.60	U	0.60	75	U	75			
Bromoform	48	U	48	0.65	U	0.65	0.97	U	0.97	9.7	U	9.7				0.39	U	0.39	0.39	U	0.39	48	U	48			
Bromomethane	130	U	130	1.7	U	1.7	2.6	U	2.6	26	U	26				1.0	U	1.0	1.0	U	1.0	130	U	130			
Carbon Disulfide	160	U	160	2.1	U	2.1	3.2	U	3.2	32	U	32				1.3	U	1.3	1.3	U	1.3	160	U	160			
Carbon Tetrachloride	80	U	80	1.1	U	1.1	1.6	U	1.6	16	U	16				0.64	U	0.64	0.64	U	0.64	80	U	80			
Chlorobenzene	110	U	110	1.4	U	1.4	2.2	U	2.2	22	U	22				0.87	U	0.87	0.87	U	0.87	110	U	110			
Chloroethane	190	U	190	2.5	U	2.5	3.8	U	3.8	38	U	38				1.5	U	1.5	1.5	U	1.5	190	U	190			
Chloroform	100	U	100	1.4	U	1.4	2.0	U	2.0	20	U	20				**1.2**		0.82	0.82	U	0.82	100	U	100			
Chloromethane	240	U	240	3.2	U	3.2	4.8	U	4.8	48	U	48				1.9	U	1.9	1.9	U	1.9	240	U	240			
cis-1,2-Dichloroethene	130	U	130	1.7	U	1.7	2.5	U	2.5	25	U	25				**110**		1.0	1.0	U	1.0	130	U	130			
cis-1,3-Dichloropropane	110	U	110	1.5	U	1.5	2.2	U	2.2	22	U	22				0.88	U	0.88	0.88	U	0.88	110	U	110			
Dibromochloromethane	59	U	59	0.78	U	0.78	1.2	U	1.2	12	U	12				0.47	U	0.47	0.47	U	0.47	59	U	59			
Ethylbenzene	120	U	120	1.5	U	1.5	2.3	U	2.3	23	U	23				0.92	U	0.92	0.92	U	0.92	***110***	J	120			
m- &p-Xylene	120	U	120	1.5	U	1.5	2.3	U	2.3	23	U	23				0.92	U	0.92	0.92	U	0.92	120	U	120			
Methyl tert-Butyl Ether	140	U	140	1.8	U	1.8	2.8	U	2.8	28	U	28				1.1	U	1.1	1.1	U	1.1	140	U	140			
Methylene Chloride	140	U	140	1.9	U	1.9	2.9	U	2.9	29	U	29				1.2	U	1.2	1.2	U	1.2	140	U	140			
o-Xylene	120	U	120	1.5	U	1.5	2.3	U	2.3	23	U	23				0.92	U	0.92	0.92	U	0.92	120	U	120			
Styrene	120	U	120	1.6	U	1.6	2.3	U	2.3	23	U	23				0.94	U	0.94	0.94	U	0.94	120	U	120			
Tetrachloroethene	74	U	74	**83**		0.98	**14**		1.5	**140**		15				**45**		0.59	**6.8**		0.59	74	U	74			
Toluene	130	U	130	1.8	U	1.8	2.7	U	2.7	27	U	27				**1.1**		1.1	**0.65**	J	1.1	130	U	130			
trans-1,2-Dichloroethene	130	U	130	1.7	U	1.7	2.5	U	2.5	25	U	25				**24**		1.0	1.0	U	1.0	130	U	130			
trans-1,3-Dichloropropene	110	U	110	1.5	U	1.5	2.2	U	2.2	22	U	22				0.88	U	0.88	0.88	U	0.88	110	U	110			
Trichloroethene	93	U	93	**3.4**		1.2	**360**		1.9	***1,800***		19				***890***		0.74	**18**		0.74	93	U	93			
Trichlorofluoromethane	89	U	89	1.2	U	1.2	1.8	U	1.8	18	U	18				0.71	U	0.71	0.71	U	0.71	89	U	89			
Trichlorotrifluoroethane	65	U	65	0.87	U	0.87	1.3	U	1.3	13	U	13				**0.47**	J	0.52	0.52	U	0.52	65	U	65			
Vinyl Acetate	140	U	140	1.9	U	1.9	2.8	U	2.8	28	U	28				1.1	U	1.1	1.1	U	1.1	140	U	140			
Vinyl Chloride	200	U	200	2.6	U	2.6	3.9	U	3.9	39	U	39				**8.1**		1.6	1.6	U	1.6	200	U	200			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW26-035			VW27-06			VW27-019			VW27-019			VW27-033			VW28-010			VW28-025			VW29-010			VW29-010		
Sample Number	WDI-VW26-35-05			WDI-VW27-06-05			WDI-VW27-19-05			WDI-VW27-19-05			WDI-VW27-33-05			WDI-VW28-10-05			WDI-VW28-25-05			WDI-VW29-10-05			WDI-VW29-10-05		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			REG			DUP		
Sample Depth	35			6			19			19			33			10			25			10			10		
Sample Date	2/8/99			2/8/99			2/8/99			2/8/99			2/8/99			2/3/99			2/3/99			2/3/99			2/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900269-007			P9900269-011			P9900269-012			P9900269-012DUP			P9900269-013			P9900233-003			P9900233-004			P9900233-005			P9900233-005DUP		
Analysis Date	2/12/99			2/12/99			2/12/99			2/23/99			2/12/99			2/5/99			2/5/99			2/5/99			2/7/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.70**		0.50	0.50	U	0.50	0.50	U	0.50				0.50	U	0.50	**0.79**		0.50	0.50	U	0.50	**0.74**		0.50			
Total Nonmethane (ppmv)	**13**		1.0	**9.9**		1.0	**20**		1.0				**10**		1.0	**6.4**		1.0	**9.9**		1.0	**2.5**		1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**0.90**		0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**1.4**		0.73	**1.3**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	**4.2**		0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**19**		1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	**0.85**	J	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	**0.87**	J	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**45**		1.7	**3.9**		1.7	**1.2**	J	1.7	**1.3**	J	1.7	**2.0**		1.7	**1.1**	J	1.7	**2.9**		1.7	**4.0**		1.7	**3.9**		1.7
Benzene	**1.0**	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**1.3**		1.3	**1.3**		1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	**0.94**	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**1.7**		1.3	**1.5**		1.3	**0.99**	J	1.3	**0.97**	J	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	**0.69**	J	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**1.0**		0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**340**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**1.7**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**8.0**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**0.87**	J	0.92	**0.87**	J	0.92
Methyl tert-Butyl Ether	**1.5**		1.1	**0.80**	J	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.6**		1.1	**1.7**		1.1
Methylene Chloride	**29**		1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**3.0**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**21**		0.59	**0.65**		0.59	**1.0**		0.59	**0.95**		0.59	0.59	U	0.59	**5.8**		0.59	**17**		0.59	**1.6**		0.59	**1.6**		0.59
Toluene	**6.2**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**0.68**	J	1.1	1.1	U	1.1	1.1	U	1.1	**1.7**		1.1	**1.7**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**35.0**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**3.5**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**1.1**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.64	J	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**7.2**		0.52	**16**		0.52	**2.0**		0.52	**2.1**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW29-023			VW29-035			VW30-07			VWFD30-07			VW30-07			VW30-023			VW30-035			VW31-010			VWFD31-010		
Sample Number	WDI-VW29-23-05			WDI-VW29-35-05			WDI-VW30-07-05			WDI-VWFD30-07-05			WDI-VW30-07-05			WDI-VW30-23-05			WDI-VW30-35-05			WDI-VW31-10-05			WDI-VWFD31-10-05		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth	23			35			7			7			7			23			35			10			30		
Sample Date	2/3/99			2/3/99			2/10/99			2/10/99			2/10/99			2/10/99			2/10/99			2/8/99			2/8/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900233-006			P9900233-007			P9900299-001			P9900299-004			P9900299-001DUP			P9900299-002			P9900299-003			P9900269-008			P9900269-010		
Analysis Date	2/5/99			2/5/99			2/22/99			2/22/99			3/9/99			2/22/99			2/22/99			2/12/99			2/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**2.4**		0.50	**2.3**		0.50	**2.4**		0.50				**17**		0.50	**130**		0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**7.4**		1.0	**8.3**		1.0	**15**	J[1]	1.0	**22**	J[1]	1.0				**34**		1.0	**33**		1.0	**5.3**		1.0	**5.9**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	**12**		0.73	**12**		0.73	**12**		0.73	0.73	U	0.73	0.73	U	0.73	**0.76**		0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**2.9**	J[1]	1.4	**0.86**	J[1]	1.4
2-Hexanone	**0.80**	J	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**0.67**	J	0.98	0.98	U	0.98
Acetone	**1.4**	J	1.7	**2.5**		1.7	**4.0**		1.7	**2.8**		1.7	**4.2**		1.7	1.7	U	1.7	1.7	U	1.7	**12**	J[1]	1.7	**2.7**	J[1]	1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**1.6**		1.3	1.3	U	1.3	**1.7**		1.3	1.3	U	1.3	1.3	U	1.3	**0.90**	J	1.3	**1.2**	J	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**1.4**		1.3	**1.3**		1.3	**1.4**		1.3	1.3	U	1.3	**1.4**		1.3	**1.1**	J	1.3	**5.1**		1.3	**3.6**	J[1]	1.3	1.3	J[1]	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	**4.4**		0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	**0.93**		0.92	**0.58**	J	0.92	**0.93**		0.92	0.92	U	0.92	0.92	U	0.92	**0.94**		0.92	**1.8**		0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	**6.0**	J[1]	0.92	**2.1**	J[1]	0.92	**5.9**		0.92	0.92	U	0.92	0.92	U	0.92	**4.2**	J[1]	0.92	**8.8**	J[1]	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	**0.92**	J	1.1	**0.70**	J	1.1	**0.92**	J	1.1	1.1	U	1.1	1.1	U	1.1	**0.69**	J	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	J[1]	1.2	**38**	J[1]	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	**1.8**	J[1]	0.92	**0.79**	J[1]	0.92	**1.8**		0.92	0.92	U	0.92	0.92	U	0.92	**1.4**	J[1]	0.92	**3.3**	J[1]	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**5.3**		0.59	**12**		0.59	**2.3**	J[1]	0.59	**1.0**	J[1]	0.59	**2.3**		0.59	**210**		0.59	**250**		0.59	**3.2**	J[1]	0.59	**8.5**	J[1]	0.59
Toluene	1.1	U	1.1	1.1	U	1.1	**5.6**	J[1]	1.1	**2.0**	J[1]	1.1	**5.6**		1.1	1.1	U	1.1	1.1	U	1.1	**6.6**	J[1]	1.1	**5.4**	J[1]	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	**0.52**	J	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**3.4**		0.74	**7.8**		0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.68**	J	0.71	**0.95**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.57**	J	0.71	**0.56**	J	0.71
Trichlorotrifluoroethane	**6.6**		0.52	**12**		0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**2.7**		0.52	**2.8**		0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VWFD31-010			VW31-030			VW32-08			VW32-018			VW32-018			VW32-035			VW33-010			VW33-035			VW33-035		
Sample Number	WDI-VWFD31-10-05			WDI-VW31-30-05			WDI-VW32-08-05			WDI-VW32-18-05			WDI-VW32-18-05			WDI-VW32-35-05			WDI-VW33-10-05			WDI-VW33-35-05			WDI-VW33-35-05		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			DUP		
Sample Depth	*10*			*30*			*8*			*18*			*18*			*35*			*10*			*35*			*35*		
Sample Date	2/8/99			2/8/99			2/8/99			2/8/99			2/8/99			2/8/99			2/9/99			2/9/99			2/9/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	*P990269-010DUP*			*P9900269-009*			*P9900269-001*			*P9900269-002*			*P9900269-002DUP*			*P9900269-003*			*P9900269-021*			*P9900269-022*			*P9900269-022DUP*		
Analysis Date	2/12/99			2/12/99			2/12/99			2/12/99			2/23/99			2/12/99			2/12/99			2/12/99			2/24/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	**0.93**		0.50	0.50	U	0.50				0.50	U	0.50	**0.62**		0.50	**1.4**		0.50			
Total Nonmethane (ppmv)	**5.8**		1.0	**22**		1.0	**10**		1.0	**26**		1.0				**22**		1.0	**9.0**		1.0	**18**		1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.73	U	0.73	**0.58**	J	0.73	**4.0**		0.73	**3.9**		0.73	**7.1**		0.73	**9.3**		0.73	**3.0**		0.73	**2.9**		0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**0.84**	J	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone				1.4	U	1.4	**1.6**		1.4	**13**		1.4	**13**		1.4	1.4	U	1.4	**2.0**		1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone				**0.90**	J	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**0.66**	J	0.98	**0.65**	J	0.98
Acetone				**1.7**		1.7	**5.4**		1.7	**5.8**		1.7	**5.3**		1.7	**3.3**		1.7	**5.3**		1.7	**4.0**		1.7	**4.2**		1.7
Benzene				**0.82**	J	1.3	1.3	U	1.3	**0.84**	J	1.3	**0.84**	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				**2.2**		1.3	**1.8**		1.3	**1.2**	J	1.3	**1.2**	J	1.3	**3.1**		1.3	**1.9**		1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**1.1**		0.82	0.82	U	0.82	**4.4**		0.82	**4.3**		0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**1.4**		1.0	**1.4**		1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene				**0.86**	J	0.92	**0.66**	J	0.92	**1.0**		0.92	**1.0**		0.92	**0.89**	J	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene				**4.1**		0.92	**3.2**		0.92	**4.7**		0.92	**4.7**		0.92	**4.3**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene				***1.6***		0.92	**1.2**		0.92	**1.8**		0.92	**1.8**		0.92	**1.5**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene				**33**		0.59	0.59	U	0.59	**0.59**		0.59	**0.67**		0.59	**1.6**		0.59	**0.61**		0.59	**12**		0.59	**11**		0.59
Toluene				**2.6**		1.1	**1.9**		1.1	**2.9**		1.1	**3.0**		1.1	**2.8**		1.1	**0.74**	J	1.1	**0.87**	J	1.1	**0.89**	J	1.1
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene				**4.9**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**1.2**		0.74	0.74	U	0.74	**200**		0.74	**200**		0.74
Trichlorofluoromethane				**0.95**		0.71	0.71	U	0.71	**0.68**	J	0.71	**0.61**	J	0.71	**1.1**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane				0.52	U	0.52	0.52	U	0.52	**0.75**		0.52	**0.76**		0.52	**1.4**		0.52	0.52	U	0.52	**0.66**		0.52	**0.69**		0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VWFD33-035			VWFD33-035			VW34-010			VW34-010			VW34-023			VW34-040			VW35-010			VW35-028			VW36-010		
Sample Number	WDI-VWFD33-35-05			WDI-VWFD33-35-05			WDI-VW34-10-05			WDI-VW34-10-05			WDI-VW34-23-05			WDI-VW34-40-05			WDI-VW35-10-05			WDI-VW35-28-05			WDI-VW36-10-05		
Sample Type	REG			DUP			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	35			35			10			10			23			40			10			28			10		
Sample Date	2/9/99			2/9/99			2/2/99			2/1/99			2/2/99			2/2/99			2/5/99			2/5/99			2/2/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900269-023			P9900269-023DUP			P9900210-006			P9900210-006DUP			P9900210-007			P9900210-008			P9900247-003			P9900247-004			P9900210-009		
Analysis Date	2/12/99			2/12/99			2/3/99			2/4/99			2/3/99			2/3/99			2/10/99			2/10/99			2/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**1.4**		0.50	**1.4**		0.50	**0.79**		0.50	**0.77**		0.50	0.50	U	0.50	**0.89**		0.50	0.50	U	0.50	**7.5**		0.50	**0.76**		0.50
Total Nonmethane (ppmv)	**17**		1.0	**19**		1.0	**15**		1.0	**14**		1.0	**26**		1.0	**29**		1.0	**23**		1.0	**21**		1.0	**2.9**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**3.0**		0.73				**4.4**		0.73	**4.4**		0.73	**0.86**		0.73	0.73	U	0.73	**6.1**		0.73	12	U	12	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	9.7	U	9.7	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	12	U	12	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	16	U	16	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	17	U	17	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	8.7	U	8.7	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	11	U	11	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	16	U	16	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	14	U	14	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	11	U	11	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	11	U	11	0.67	U	0.67
2-Butanone	1.4	U	1.4				1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**1.2**	J	1.4	**1.6**		1.4	23	U	23	**1.2**	J	1.4
2-Hexanone	**1.2**		0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	16	U	16	0.98	U	0.98
4-Methyl-2-Pentanone	**1.1**		0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	16	U	16	0.98	U	0.98
Acetone	**3.3**		1.7				**4.6**		1.7	**6.0**		1.7	**3.7**		1.7	**6.4**		1.7	**9.4**		1.7	28	U	28	**5.1**		1.7
Benzene	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	21	U	21	**1.2**	J	1.3
Bromodichloromethane	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	10	U	10	0.60	U	0.60
Bromoform	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	6.5	U	6.5	0.39	U	0.39
Bromomethane	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	17	U	17	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3				**0.86**	J	1.3	**0.91**	J	1.3	**1.4**		1.3	**0.84**	J	1.3	1.3	U	1.3	21	U	21	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	11	U	11	0.64	U	0.64
Chlorobenzene	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	14	U	14	0.87	U	0.87
Chloroethane	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	25	U	25	1.5	U	1.5
Chloroform	**4.4**		0.82				0.82	U	0.82	0.82	U	0.82	**2.0**		0.82	**2.4**		0.82	0.82	U	0.82	**27**		14	0.82	U	0.82
Chloromethane	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	32	U	32	1.9	U	1.9
cis-1,2-Dichloroethene	**1.2**		1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	17	U	17	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	15	U	15	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	7.8	U	7.8	0.47	U	0.47
Ethylbenzene	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	15	U	15	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	15	U	15	**0.83**	J	0.92
Methyl tert-Butyl Ether	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	18	U	18	**2.0**		1.1
Methylene Chloride	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	19	U	19	1.2	U	1.2
o-Xylene	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	15	U	15	0.92	U	0.92
Styrene	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	16	U	16	0.94	U	0.94
Tetrachloroethene	**12**		0.59				**1.4**		0.59	**1.4**		0.59	**7.6**		0.59	**7.4**		0.59	**3.1**		0.59	**58**		9.8	**0.73**		0.59
Toluene	**0.99**	J	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	18	U	18	**1.9**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	17	U	17	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	15	U	15	0.88	U	0.88
Trichloroethene	**190**		0.74				0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**4.0**		0.74	**44**		0.74	***1,300***		12	0.74	U	0.74
Trichlorofluoromethane	**0.43**	J	0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.68**	J	0.71	12	U	12	0.71	U	0.71
Trichlorotrifluoroethane	**0.71**		0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**0.41**	J	0.52	8.7	U	8.7	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	19	U	19	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	26	U	26	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW36-010			VW36-030			VWFD36-030			VW37-010			VW37-030			VW38-010			VW38-034			VW38-034			VW39-07		
Sample Number	WDI-VW36-10-05			WDI-VW36-30-05			WDI-VWFD36-30-05			WDI-VW37-10-05			WDI-VW37-30-05			WDI-VW38-10-05			WDI-VW38-34-05			WDI-VW38-34-05			WDI-VW39-07-05		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			DUP			REG		
Sample Depth	10			30			30			10			30			10			34			34			7		
Sample Date	2/2/99			2/2/99			2/2/99			2/2/99			2/2/99			2/2/99			2/2/99			2/1/99			2/2/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900210-009DUP			P9900210-010			P9900210-011			P9900210-012			P9900210-013			P9900210-014			P9900210-015			P9900210-015DUP			P9900222-001		
Analysis Date	2/4/99			2/4/99			2/4/99			2/4/99			2/4/99			2/4/99			2/4/99			2/4/99			2/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.70**		0.50	0.50	U	0.50	0.50	U	0.50	**1.8**		0.50	0.50	U	0.50	0.50	U	0.50	**75**		0.50				0.50	U	0.50
Total Nonmethane (ppmv)	**2.7**		1.0	**22**		1.0	**20**		1.0	**5.5**		1.0	**19**		1.0	**9.6**		1.0	**17**		1.0				**12**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.73	U	0.73	0.73	U	0.73	**8.1**		0.73	0.73	U	0.73	**5.4**		0.73	0.73	U	0.73	0.73	U	0.73	**5.3**		0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone				1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**2.1**		1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**0.71**	J	0.98	0.98	U	0.98	**1.1**		0.98	**1.1**		0.98	0.98	U	0.98
Acetone				**3.0**		1.7	**4.4**		1.7	**55**		1.7	**11**		1.7	**8.4**		1.7	**11**		1.7	**12**		1.7	**2.1**		1.7
Benzene				1.3	U	1.3	1.3	U	1.3	**1.6**		1.3	1.3	U	1.3	**9.2**		1.3	**0.89**	J	1.3	**0.83**	J	1.3	1.3	U	1.3
Bromodichloromethane				**0.82**		0.60	**0.81**		0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				1.3	U	1.3	**0.90**	J	1.3	**4.2**		1.3	**1.1**	J	1.3	**1.6**		1.3	**1.6**		1.3	**1.6**		1.3	1.3	U	1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	**0.59**	J	0.87	**0.50**	J	0.87	0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform				**1.6**		0.82	**1.5**		0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.3**		0.92	**1.3**		0.92	0.92	U	0.92
m- &p-Xylene				0.92	U	0.92	0.92	U	0.92	**1.1**		0.92	**1.6**		0.92	0.92	U	0.92	**3.2**		0.92	**3.2**		0.92	0.92	U	0.92
Methyl tert-Butyl Ether				**3.0**		1.1	**2.9**		1.1	**2.8**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	**1.9**		1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**0.97**		0.92	0.92	U	0.92	**1.8**		0.92	**1.9**		0.92	0.92	U	0.92
Styrene				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	**2.3**		0.94	**2.2**		0.94	0.94	U	0.94
Tetrachloroethene				**3.8**	J[1]	0.59	**3.0**	J[1]	0.59	**1.4**		0.59	**1.9**		0.59	**120**		0.59	**250**		0.59	**250**		0.59	**7.3**		0.59
Toluene				1.1	U	1.1	1.1	U	1.1	**2.8**		1.1	**2.3**		1.1	1.1	U	1.1	**5.0**		1.1	**5.0**		1.1	1.1	U	1.1
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene				0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**2.4**		0.74	**4.0**		0.74	**3.9**		0.74	0.74	U	0.74
Trichlorofluoromethane				**0.70**	J	0.71	**0.69**	J	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.87**		0.71
Trichlorotrifluoroethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW39-07			VW39-030			VW40-010			VW40-010			VW40-025			VW41-07			VW41-020			VW42-010			VW42-030		
Sample Number	WDI-VW39-07-05			WDI-VW39-30-05			WDI-VW40-10-05			WDI-VW40-10-05			WDI-VW40-25-05			WDI-VW41-07-05			WDI-VW41-20-05			WDI-VW42-10-05			WDI-VW42-30-05		
Sample Type	DUP			REG			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	7			30			10			10			25			7			20			10			30		
Sample Date	2/2/99			2/2/99			2/5/99			2/5/99			2/5/99			2/9/99			2/9/99			2/3/99			2/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900222-001DUP			P9900222-002			P9900259-005			P9900259-005DUP			P9900259-006			P9900269-015			P9900269-016			P9900233-001			P9900233-002		
Analysis Date	2/5/99			2/4/99			2/11/99			2/22/99			2/11/99			2/12/99			2/12/99			2/5/99			2/5/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				0.50	U	0.50	**3,800**		0.50				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)				**12**		1.0	**690**		1.0				**160**		1.0	**11**		1.0	**11**		1.0	**12**		1.0	**13**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**5.3**		0.73	**4.0**		0.73	**1.4**		0.73	**1.4**		0.73	**1.3**		0.73	**9.8**		0.73	**11**		0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	**1.6**		1.4	**1.6**		1.4	**2.4**		1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**1.8**		1.7	**2.0**		1.7	**11**		1.7	**11**		1.7	**4.3**		1.7	**1.7**		1.7	**1.2**	J	1.7	**5.9**		1.7	**1.2**	J	1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**3.4**		1.3	**3.6**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	**2.6**		1.3	**5.8**		1.3	**5.5**		1.3	**2.2**		1.3	**1.6**		1.3	1.3	U	1.3	**1.1**	J	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	UJ	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.5**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	**2.3**		0.92	**2.4**		0.92	**7.4**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	**0.73**	J	1.1	**0.72**	J	1.1	**1.4**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	**1.5**		1.2	**1.5**		1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	**0.80**	J	0.92	**0.87**	J	0.92	**3.0**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**7.2**		0.59	**13**		0.59	**0.57**	J	0.59	**0.62**		0.59	**92**		0.59	**27**		0.59	**15**		0.59	**4.2**		0.59	**7.9**		0.59
Toluene	1.1	U	1.1	1.1	U	1.1	**2.7**		1.1	**2.7**		1.1	**6.5**		1.1	1.1	U	1.1	**0.69**	J	1.1	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**2.7**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.88**		0.71	**0.79**		0.71	**0.65**	J	0.71	**0.70**	J	0.71	**4.6**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**1.3**		0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**0.78**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW43-09			VW43-019			VW43-032			VW44-07			VW44-07			VW44-016			VW44-030			VWFD44-030			VW45-013		
Sample Number	WDI-VW43-09-05			WDI-VW43-19-05			WDI-VW43-32-05			WDI-VW44-07-05			WDI-VW44-07-05			WDI-VW44-16-05			WDI-VW44-30-05			WDI-VWFD44-30-05			WDI-VW45-13-05		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth	9			19			32			7			7			16			30			30			13		
Sample Date	2/8/99			2/8/99			2/8/99			2/2/99			2/2/99			2/2/99			2/2/99			2/2/99			2/4/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900259-011			P9900259-012			P9900259-013			P9900222-008			P9900222-008DUP			P9900222-009			P9900222-010			P9900222-011			P9900233-013		
Analysis Date	2/11/99			2/11/99			2/11/99			2/4/99			2/6/99			2/4/99			2/4/99			2/4/99			2/5/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**210**		0.50	**16,100**		1,000	**12,200**		1,000	**140**		0.50	**140**		0.50	**0.85**		0.50	**1.7**		0.50	**1.8**		0.50	***173,000***		1,000
Total Nonmethane (ppmv)	**24**		1.0	**300**		1.0	**210**		1.0	**23**		1.0	**24**		1.0	**26**		1.0	**28**		1.0	**28**		1.0	**73,000**		100
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	**0.86**		0.73	**0.84**		0.73	**83**		0.73	**520**		0.73	**520**		0.73	370	U	370
1,1,2,2-Tetrachloroethane	0.58	U	0.58	1.5	U	1.5	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	290	U	290
1,1,2-Trichloroethane	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	370	U	370
1,1-Dichloroethane	0.99	U	0.99	2.5	U	2.5	**2.2**	J	2.5	**0.66**	J	0.99	**0.63**	J	0.99	**3.1**		0.99	**48**		0.99	**49**		0.99	490	U	490
1,1-Dichloroethene	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	**1.3**		1.0	**12**		1.0	**12**		1.0	500	U	500
1,2-Dibromoethane	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	260	U	260
1,2-Dichlorobenzene	0.67	U	0.67	**8.2**		1.7	**12**		1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	330	U	330
1,2-Dichloroethane	0.99	U	0.99	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	**1.7**		0.99	0.99	U	0.99	0.99	U	0.99	490	U	490
1,2-Dichloropropane	0.87	U	0.87	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	**1.9**		0.87	**1.8**		0.87	430	U	430
1,3-Dichlorobenzene	0.67	U	0.67	1.7	U	1.7	**1.7**		1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	330	U	330
1,4-Dichlorobenzene	0.67	U	0.67	**3.1**		1.7	**3.8**		1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	330	U	330
2-Butanone	**1.1**	J	1.4	3.4	U	3.4	3.4	U	3.4	1.4	U	1.4	1.4	U	1.4	**1.6**		1.4	1.4	U	1.4	1.4	U	1.4	680	U	680
2-Hexanone	0.98	U	0.98	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	490	U	490
4-Methyl-2-Pentanone	0.98	U	0.98	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**2.5**	J^1	0.98	0.98	J^1	0.98	490	U	490
Acetone	**2.2**		1.7	4.2	U	4.2	4.2	U	4.2	**3.6**		1.7	**3.4**		1.7	**10**		1.7	**2.3**		1.7	**1.7**	J	1.7	840	U	840
Benzene	1.3	U	1.3	3.1	U	3.1	**14**		3.1	**1.4**		1.3	**1.4**		1.3	**1.1**	J	1.3	1.3	U	1.3	1.3	U	1.3	***9,500***		630
Bromodichloromethane	0.60	U	0.60	1.5	U	1.5	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	300	U	300
Bromoform	0.39	U	0.39	0.97	U	0.97	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	190	U	190
Bromomethane	1.0	U	1.0	2.6	U	2.6	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	520	U	520
Carbon Disulfide	1.3	U	1.3	3.2	U	3.2	3.2	U	3.2	**1.2**	J	1.3	**1.1**	J	1.3	**7.0**		1.3	**1.3**	J	1.3	**0.94**	J	1.3	640	U	640
Carbon Tetrachloride	0.64	U	0.64	1.6	U	1.6	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	320	U	320
Chlorobenzene	0.87	U	0.87	**10**		2.2	**9.6**		2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	430	U	430
Chloroethane	1.5	U	1.5	3.8	U	3.8	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	760	U	760
Chloroform	0.82	U	0.82	2.0	U	2.0	2.0	U	2.0	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	410	U	410
Chloromethane	1.9	UJ	1.9	4.8	UJ	4.8	4.8	UJ	4.8	1.9	U	1.9	1.9	U	1.9	**2.0**		1.9	1.9	U	1.9	1.9	U	1.9	970	U	970
cis-1,2-Dichloroethene	1.0	U	1.0	**94**		2.5	**220**		2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	500	U	500
cis-1,3-Dichloropropane	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	440	U	440
Dibromochloromethane	0.47	U	0.47	1.2	U	1.2	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	230	U	230
Ethylbenzene	**1.2**		0.92	**1.8**	J	2.3	**1.5**	J	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1,500**		460
m- &p-Xylene	**5.6**		0.92	**7.0**		2.3	**5.6**		2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.4**		0.92	0.92	U	0.92	***5,900***		460
Methyl tert-Butyl Ether	**1.2**		1.1	2.8	U	2.8	2.8	U	2.8	**0.82**	J	1.1	**0.84**	J	1.1	**1.1**		1.1	1.1	U	1.1	1.1	U	1.1	550	U	550
Methylene Chloride	1.2	U	1.2	2.9	U	2.9	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	580	U	580
o-Xylene	**2.2**		0.92	**2.9**		2.3	**2.0**	J	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1,700**		460
Styrene	0.94	U	0.94	2.3	U	2.3	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	470	U	470
Tetrachloroethene	**12**		0.59	1.5	U	1.5	1.5	U	1.5	**0.91**		0.59	**0.89**		0.59	0.59	U	0.59	**1.2**		0.59	**1.2**		0.59	300	U	300
Toluene	**3.9**		1.1	**5.6**		2.7	**3.9**		2.7	**0.98**	J	1.1	**0.95**	J	1.1	**1.1**		1.1	**2.8**	J^1	1.1	1.1	J^1	1.1	**8,400**		530
trans-1,2-Dichloroethene	1.0	U	1.0	**2.4**	J	2.5	**5.5**		2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**1,500**		500
trans-1,3-Dichloropropene	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	440	U	440
Trichloroethene	**5.3**		0.74	1.9	U	1.9	**1.2**	J	1.9	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	370	U	370
Trichlorofluoromethane	0.71	U	0.71	1.8	U	1.8	1.8	U	1.8	0.71	U	0.71	0.71	U	0.71	**0.71**	J	0.71	0.71	U	0.71	0.71	U	0.71	360	U	360
Trichlorotrifluoroethane	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	260	U	260
Vinyl Acetate	1.1	U	1.1	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	570	U	570
Vinyl Chloride	1.6	U	1.6	**490**		3.9	**390**		3.9	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	***31,000***		780

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW45-022			VW45-030			VW46-07			VW46-07			VW46-015			VW46-027			VW47-08			VW47-018			VW47-018		
Sample Number	WDI-VW45-22-05			WDI-VW45-30-05			WDI-VW46-07-05			WDI-VW46-07-05			WDI-VW46-15-05			WDI-VW46-27-05			WDI-VW47-08-05			WDI-VW47-18-05			WDI-VW47-18-05		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			REG			DUP		
Sample Depth	22			30			7			7			15			27			8			18			18		
Sample Date	2/4/99			2/4/99			2/10/99			2/10/99			2/10/99			2/10/99			2/4/99			2/4/99			2/4/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900233-014			P9900233-015			P9900276-018			P9900276-018DUP			P9900276-019			P9900276-020			P9900233-019			P9900233-020			P9900233-020DUP		
Analysis Date	2/5/99			2/5/99			2/18/99			3/3/99			2/18/99			2/18/99			2/5/99			2/5/99			2/5/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	***977,000***		1,000	**1,800**		0.50	**11,100**		1,000				**0.62**		0.50	0.50	U	0.50	**0.80**		0.50	**15**		0.50	**15**		0.50
Total Nonmethane (ppmv)	**35,000**		9.4	**910**		1.0	**1,400**		9.4				**91**		1.0	**62**		1.0	**12**		1.0	**31**		1.0	**29**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	180	U	370	9.2	U	9.2	**9.1**		1.8	**9.3**		1.8	**16**		1.8	**3.5**		1.8	0.73	U	0.73	0.73	U	0.73			
1,1,2,2-Tetrachloroethane	150	U	290	7.3	U	7.3	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58			
1,1,2-Trichloroethane	180	U	370	9.2	U	9.2	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73			
1,1-Dichloroethane	250	U	490	12	U	12	**29**		2.5	**29**		2.5	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99			
1,1-Dichloroethene	250	U	500	13	U	13	**3.0**		2.5	**2.9**		2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0			
1,2-Dibromoethane	130	U	260	6.5	U	6.5	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52			
1,2-Dichlorobenzene	170	U	330	8.3	U	8.3	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67			
1,2-Dichloroethane	250	U	490	12	U	12	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99			
1,2-Dichloropropane	220	U	430	11	U	11	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87			
1,3-Dichlorobenzene	170	U	330	8.3	U	8.3	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67			
1,4-Dichlorobenzene	170	U	330	8.3	U	8.3	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67			
2-Butanone	340	U	680	17	U	17	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	1.4	U	1.4	1.4	U	1.4			
2-Hexanone	240	U	490	12	U	12	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98			
4-Methyl-2-Pentanone	240	U	490	12	U	12	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98			
Acetone	420	U	840	21	U	21	4.2	U	4.2	4.2	U	4.2	**4.9**		4.2	**5.6**		4.2	**9.1**		1.7	1.7	U	1.7			
Benzene	***7,200***		630	**44**		16	3.1	U	3.1	3.1	U	3.1	3.1	U	3.1	3.1	U	3.1	1.3	U	1.3	1.3	U	1.3			
Bromodichloromethane	150	U	300	7.5	U	7.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60			
Bromoform	97	U	190	4.8	U	4.8	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39			
Bromomethane	260	U	520	13	U	13	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0			
Carbon Disulfide	320	U	640	16	U	16	**11**		3.2	**7.1**	J[1]	3.2	**4.7**		3.2	**5.2**		3.2	**0.90**	J	1.3	1.3	U	1.3			
Carbon Tetrachloride	160	U	320	8.0	U	8.0	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64			
Chlorobenzene	220	U	430	11	U	11	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87			
Chloroethane	380	U	760	19	U	19	3.8	U	3.8	3.8	U	3.8	3.8	U	3.8	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5			
Chloroform	200	U	410	10	U	10	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	0.82	U	0.82	0.82	U	0.82			
Chloromethane	480	U	970	24	U	24	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9			
cis-1,2-Dichloroethene	**410**		500	13	U	13	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0			
cis-1,3-Dichloropropane	220	U	440	11	U	11	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88			
Dibromochloromethane	120	U	230	5.9	U	5.9	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47			
Ethylbenzene	**2,300**		460	12	U	12	**2.5**		2.3	**2.5**		2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92			
m- &p-Xylene	***9,600***		460	12	U	12	**5.0**		2.3	**4.8**		2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92			
Methyl tert-Butyl Ether	280	U	550	14	U	14	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1			
Methylene Chloride	290	U	580	14	U	14	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2			
o-Xylene	**3,000**		460	12	U	12	**2.4**		2.3	**2.5**		2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92			
Styrene	230	U	470	12	U	12	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94			
Tetrachloroethene	150	U	300	**14**		7.4	1.5	U	1.5	1.5	U	1.5	**170**		1.5	**210**		1.5	**0.68**		0.59	**4.5**		0.59			
Toluene	***13,000***		530	13	U	13	**3.6**		2.7	**3.7**		2.7	2.7	U	2.7	2.7	U	2.7	**0.72**	J	1.1	1.1	U	1.1			
trans-1,2-Dichloroethene	**1,500**		500	13	U	13	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0			
trans-1,3-Dichloropropene	220	U	440	11	U	11	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88			
Trichloroethene	190	U	370	9.3	U	9.3	1.9	U	1.9	1.9	U	1.9	**13**		1.9	**19**		1.9	0.74	U	0.74	0.74	U	0.74			
Trichlorofluoromethane	180	U	360	8.9	U	8.9	1.8	U	1.8	1.8	U	1.8	**1.1**	J	1.8	**1.5**	J	1.8	0.71	U	0.71	0.71	U	0.71			
Trichlorotrifluoroethane	130	U	260	6.5	U	6.5	1.3	U	1.3	1.3	U	1.3	**1.2**	J	1.3	**1.8**		1.3	0.52	U	0.52	0.52	U	0.52			
Vinyl Acetate	280	U	570	14	U	14	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1			
Vinyl Chloride	***16,000***		780	***73***		20	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	1.6	U	1.6	1.6	U	1.6			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW47-030			VWFD47-030			VW48-08			VW48-08			VW48-017			VW48-035			VW49-010			VW49-010			VW49-018		
Sample Number	WDI-VW47-30-05			WDI-VWFD47-30-05			WDI-VW48-08-05			WDI-VW48-08-05			WDI-VW48-17-05			WDI-VW48-35-05			WDI-VW49-10-05			WDI-VW49-10-05			WDI-VW49-18-05		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			DUP			REG		
Sample Depth	30			30			8			8			17			35			10			10			18		
Sample Date	2/4/99			2/4/99			2/10/99			2/10/99			2/10/99			2/10/99			2/5/99			2/5/99			2/5/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900233-021			P9900233-022			P9900276-015			P9900276-015DUP			P9900276-016			P9900276-017			P9900247-008			P9900247-008DUP			P9900247-009		
Analysis Date	2/5/99			2/5/99			2/18/99			2/18/99			2/18/99			2/18/99			2/10/99			2/16/99			2/10/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	**208,000**		1,000	**208,000**		1,000	**356,000**		1,000	**13,500**		1,000	**1.8**		0.50				0.50	U	0.50
Total Nonmethane (ppmv)	**30**		1.0	**31**		1.0	**4,900**		9.4	**4,800**		9.4	**23,000**		9.4	**1,300**		9.4	**15**		1.0				**18**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	37	U	37				180	U	180	9.2	U	9.2	**1.3**		0.92	**1.3**		0.92	7.3	U	7.3
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	29	U	29				150	U	150	7.3	U	7.3	0.73	U	0.73	0.73	U	0.73	5.8	U	5.8
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	37	U	37				180	U	180	9.2	U	9.2	0.92	U	0.92	0.92	U	0.92	7.3	U	7.3
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	49	U	49				250	U	250	12	U	12	1.2	U	1.2	1.2	U	1.2	9.9	U	9.9
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	50	U	50				250	U	250	13	U	13	1.3	U	1.3	1.3	U	1.3	10	U	10
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	26	U	26				130	U	130	6.5	U	6.5	0.65	U	0.65	0.65	U	0.65	5.2	U	5.2
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	33	U	33				170	U	170	8.3	U	8.3	0.83	U	0.83	0.83	U	0.83	6.7	U	6.7
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	49	U	49				250	U	250	12	U	12	1.2	U	1.2	1.2	U	1.2	9.9	U	9.9
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	43	U	43				220	U	220	11	U	11	1.1	U	1.1	1.1	U	1.1	8.7	U	8.7
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	33	U	33				170	U	170	8.3	U	8.3	0.83	U	0.83	0.83	U	0.83	6.7	U	6.7
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	33	U	33				170	U	170	8.3	U	8.3	0.83	U	0.83	0.83	U	0.83	6.7	U	6.7
2-Butanone	1.4	U	1.4	1.4	U	1.4	68	U	68				340	U	340	17	U	17	1.7	U	1.7	1.7	U	1.7	14	U	14
2-Hexanone	0.98	U	0.98	0.98	U	0.98	49	U	49				240	U	240	12	U	12	1.2	U	1.2	1.2	U	1.2	9.8	U	9.8
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	49	U	49				240	U	240	12	U	12	1.2	U	1.2	1.2	U	1.2	9.8	U	9.8
Acetone	1.7	U	1.7	**15**		1.7	84	U	84				420	U	420	21	U	21	**3.8**		2.1	**3.9**		2.1	17	U	17
Benzene	1.3	U	1.3	**1.2**	J	1.3	**810**		63				**2,900**		310	16	U	16	1.6	U	1.6	1.6	U	1.6	13	U	13
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	30	U	30				150	U	150	7.5	U	7.5	0.75	U	0.75	0.75	U	0.75	6.0	U	6.0
Bromoform	0.39	U	0.39	0.39	U	0.39	19	U	19				97	U	97	4.8	U	4.8	0.48	U	0.48	0.48	U	0.48	3.9	U	3.9
Bromomethane	1.0	U	1.0	1.0	U	1.0	52	U	52				260	U	260	13	U	13	1.3	U	1.3	1.3	U	1.3	10	U	10
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	64	U	64				320	U	320	**56**		16	**4.8**		1.6	**4.5**		1.6	13	U	13
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	32	U	32				160	U	160	8.0	U	8.0	0.80	U	0.80	0.80	U	0.80	6.4	U	6.4
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	43	U	43				220	U	220	11	U	11	1.1	U	1.1	1.1	U	1.1	8.7	U	8.7
Chloroethane	1.5	U	1.5	1.5	U	1.5	76	U	76				380	U	380	19	U	19	1.9	U	1.9	1.9	U	1.9	15	U	15
Chloroform	0.82	U	0.82	0.82	U	0.82	41	U	41				200	U	200	10	U	10	1.0	U	1.0	1.0	U	1.0	8.2	U	8.2
Chloromethane	1.9	U	1.9	1.9	U	1.9	97	U	97				480	U	480	24	U	24	2.4	U	2.4	2.4	U	2.4	19	U	19
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	**50**		50				250	U	250	13	U	13	1.9		1.3	**1.9**		1.3	10	U	10
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	44	U	44				220	U	220	11	U	11	1.1	U	1.1	1.1	U	1.1	8.8	U	8.8
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	23	U	23				120	U	120	5.9	U	5.9	0.59	U	0.59	0.59	U	0.59	4.7	U	4.7
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	**42**	J	46	**5,200**		230	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	9.2	U	9.2
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	**43**	J	46	**3,800**		230	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	9.2	U	9.2
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	55	U	55				280	U	280	14	U	14	1.4	U	1.4	1.4	U	1.4	11	U	11
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	58	U	58				290	U	290	14	U	14	1.4	U	1.4	1.4	U	1.4	12	U	12
o-Xylene	0.92	U	0.92	0.92	U	0.92	**38**	J	46	**370**		230	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	9.2	U	9.2
Styrene	0.94	U	0.94	0.94	U	0.94	47	U	47	230	U	230	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	9.4	U	9.4
Tetrachloroethene	**13**		0.59	**13**		0.59	30	U	30	150	U	150	**30**		7.4	**90**		0.74	**90**		0.74	**500**		5.9
Toluene	1.1	U	1.1	1.1	U	1.1	**41**	J	53	270	U	270	13	U	13	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	11	U	11
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	50	U	50	250	U	250	13	U	13	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	10	U	10
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	44	U	44	220	U	220	11	U	11	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	8.8	U	8.8
Trichloroethene	**0.80**		0.74	**0.83**		0.74	37	U	37	190	U	190	9.3	U	9.3	**13**		0.93	**13**		0.93	**20**		7.4
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	36	U	36	180	U	180	8.9	U	8.9	0.89	U	0.89	0.89	U	0.89	7.1	U	7.1
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	26	U	26	130	U	130	6.5	U	6.5	0.65	U	0.65	0.65	U	0.65	5.2	U	5.2
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	57	U	57	280	U	280	14	U	14	1.4	U	1.4	1.4	U	1.4	11	U	11
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	**450**		78	390	U	390	20	U	20	2.0	U	2.0	2.0	U	2.0	16	U	16

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J' = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW49-030			VWFD49-030			VW50-08			VW50-018			VW50-035			VW51-08			VW51-08			VW51-018			VW51-030		
Sample Number	WDI-VW49-30-05			WDI-VWFD49-30-05			WDI-VW50-08-05			WDI-VW50-18-05			WDI-VW50-35-05			WDI-VW51-08-05			WDI-VW51-08-05			WDI-VW51-18-05			WDI-VW51-30-05		
Sample Type	REG			REG			REG			REG			REG			REG			DUP			REG			REG		
Sample Depth	30			30			8			18			35			8			8			18			30		
Sample Date	2/5/99			2/5/99			2/8/99			2/8/99			2/8/99			2/10/99			2/10/99			2/10/99			2/10/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900247-010			P9900247-011			P9900269-004			P9900269-005			P9900269-006			P9900299-009			P9900299-009DUP			P9900299-010			P9900299-011		
Analysis Date	2/10/99			2/10/99			2/12/99			2/12/99			2/12/99			2/22/99			3/10/99			2/22/99			2/22/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	**80**		0.50	**79**		0.50	***901,000***		1,000	***18,900***		1,000
Total Nonmethane (ppmv)	**19**		1.0	**19**		1.0	**9.4**		1.0	**9.5**		1.0	**16**		1.0	**110**		1.0	**100**		1.0	**4,000**		1.0	**950**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	7.3	U	7.3	7.3	U	7.3	**1.3**		0.73	**1.0**		0.73	**0.87**		0.73	**2.6**		0.73	**2.7**		0.73	37	U	37	9.2	U	9.2
1,1,2,2-Tetrachloroethane	5.8	U	5.8	5.8	U	5.8	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	29	U	29	7.3	U	7.3
1,1,2-Trichloroethane	7.3	U	7.3	7.3	U	7.3	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	37	U	37	9.2	U	9.2
1,1-Dichloroethane	9.9	U	9.9	9.9	U	9.9	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**6.8**		0.99	**6.7**		0.99	49	U	49	**26**		12
1,1-Dichloroethene	10	U	10	10	U	10	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	50	U	50	**50**		13
1,2-Dibromoethane	5.2	U	5.2	5.2	U	5.2	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	26	U	26	6.5	U	6.5
1,2-Dichlorobenzene	6.7	U	6.7	6.7	U	6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	8.3	U	8.3
1,2-Dichloroethane	9.9	U	9.9	9.9	U	9.9	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	49	U	49	12	U	12
1,2-Dichloropropane	8.7	U	8.7	8.7	U	8.7	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	43	U	43	11	U	11
1,3-Dichlorobenzene	6.7	U	6.7	6.7	U	6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	8.3	U	8.3
1,4-Dichlorobenzene	6.7	U	6.7	6.7	U	6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	8.3	U	8.3
2-Butanone	14	U	14	14	U	14	**1.2**	J	1.4	**0.98**	J	1.4	1.4	U	1.4	**1.4**		1.4	**1.4**		1.4	68	U	68	17	U	17
2-Hexanone	9.8	U	9.8	9.8	U	9.8	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	49	U	49	12	U	12
4-Methyl-2-Pentanone	9.8	U	9.8	9.8	U	9.8	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	49	U	49	12	U	12
Acetone	17	U	17	17	U	17	**2.8**		1.7	**5.5**		1.7	**11**		1.7	**10**		1.7	**11**		1.7	84	U	84	21	U	21
Benzene	13	U	13	13	U	13	1.3	U	1.3	**0.96**	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	***3,100***		63	**27**		16
Bromodichloromethane	6.0	U	6.0	6.0	U	6.0	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	30	U	30	7.5	U	7.5
Bromoform	3.9	U	3.9	3.9	U	3.9	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	19	U	19	4.8	U	4.8
Bromomethane	10	U	10	10	U	10	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	52	U	52	13	U	13
Carbon Disulfide	13	U	13	13	U	13	**2.9**		1.3	**2.0**		1.3	**4.6**		1.3	**5.5**		1.3	**5.2**		1.3	64	U	64	16	U	16
Carbon Tetrachloride	6.4	U	6.4	6.4	U	6.4	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	32	U	32	8.0	U	8.0
Chlorobenzene	8.7	U	8.7	8.7	U	8.7	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	43	U	43	11	U	11
Chloroethane	15	U	15	15	U	15	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	76	U	76	**15**	J	19
Chloroform	8.2	U	8.2	8.2	U	8.2	0.82	U	0.82	0.82	U	0.82	**0.63**	J	0.82	0.82	U	0.82	0.82	U	0.82	41	U	41	10	U	10
Chloromethane	19	U	19	19	U	19	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	97	U	97	24	U	24
cis-1,2-Dichloroethene	10	U	10	10	U	10	1.0	U	1.0	1.0	U	1.0	**2.8**		1.0	1.0	U	1.0	1.0	U	1.0	50	U	50	**510**		13
cis-1,3-Dichloropropane	8.8	U	8.8	8.8	U	8.8	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	44	U	44	11	U	11
Dibromochloromethane	4.7	U	4.7	4.7	U	4.7	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	23	U	23	5.9	U	5.9
Ethylbenzene	9.2	U	9.2	9.2	U	9.2	**1.1**		0.92	**1.1**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**650**		46	12	U	12
m- &p-Xylene	9.2	U	9.2	9.2	U	9.2	**5.1**		0.92	**4.2**		0.92	**2.2**		0.92	0.92	U	0.92	0.92	U	0.92	**480**		46	12	U	12
Methyl tert-Butyl Ether	11	U	11	11	U	11	**0.83**	J	1.1	**0.89**	J	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	55	U	55	14	U	14
Methylene Chloride	12	U	12	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	**1.7**		1.2	**1.5**		1.2	58	U	58	14	U	14
o-Xylene	9.2	U	9.2	9.2	U	9.2	**2.0**		0.92	**1.4**		0.92	**0.83**	J	0.92	0.92	U	0.92	0.92	U	0.92	**50**		46	12	U	12
Styrene	9.4	U	9.4	9.4	U	9.4	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	47	U	47	12	U	12
Tetrachloroethene	**510**		5.9	**520**		5.9	**0.64**		0.59	**4.5**		0.59	**3.4**		0.59	**0.63**		0.59	**0.59**		0.59	30	U	30	***570***		7.4
Toluene	11	U	11	11	U	11	**3.4**		1.1	**4.8**		1.1	**4.1**		1.1	**0.72**	J	1.1	**0.68**		1.1	53	U	53	13	U	13
trans-1,2-Dichloroethene	10	U	10	10	U	10	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	50	U	50	**360**		13
trans-1,3-Dichloropropene	8.8	U	8.8	8.8	U	8.8	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	44	U	44	11	U	11
Trichloroethene	**15**		7.4	**14**		7.4	0.74	U	0.74	0.74	U	0.74	**1.7**		0.74	**0.45**	J	0.74	**0.41**	J	0.74	37	U	37	***1,000***		9.3
Trichlorofluoromethane	7.1	U	7.1	7.1	U	7.1	**0.53**	J	0.71	**0.71**		0.71	**0.73**		0.71	0.71	U	0.71	0.71	U	0.71	36	U	36	8.9	U	8.9
Trichlorotrifluoroethane	5.2	U	5.2	5.2	U	5.2	0.52	U	0.52	**0.40**	J	0.52	**0.78**		0.52	0.52	U	0.52	0.52	U	0.52	26	U	26	6.5	U	6.5
Vinyl Acetate	11	U	11	11	U	11	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	57	U	57	14	U	14
Vinyl Chloride	16	U	16	16	U	16	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	78	U	78	***69***		20

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.
Qualifier UJ = the actual detection limits for the compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VWFD51-030			VW52-010			VW52-019			VW52-019			VWFD52-019			VW52-030			VW53-010			VW53-020			VW53-030		
Sample Number	WDI-VWFD51-30-05			WDI-VW52-10-05			WDI-VW52-19-05			WDI-VW52-19-05			WDI-VWFD52-19-05			WDI-VW52-30-05			WDI-VW53-10-05			WDI-VW53-20-05			WDI-VW53-30-05		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	30			10			19			19			19			30			10			20			30		
Sample Date	2/10/99			2/3/99			2/3/99			2/2/99			2/3/99			2/3/99			2/9/99			2/9/99			2/9/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900299-012			P9900222-016			P9900222-017			P9900222-017DUP			P9900222-019			P9900222-018			P9900276-007			P9900276-008			P9900276-009		
Analysis Date	2/22/99			2/4/99			2/4/99			2/8/99			2/4/99			2/4/99			2/18/99			2/18/99			2/18/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	***18,400***		1,000	**240**		0.50	**1.7**		0.50	**1.8**		0.50	**1.9**		0.50	0.50	U	0.50	**7,400**		4.7	**620**		4.7	**610**		0.50
Total Nonmethane (ppmv)	**940**		1.0	**78**		1.0	**21**		1.0	**20**		1.0	**24**		1.0	**29**		1.0	**970**		9.4	**510**		9.4	**160**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	9.2	U	9.2	1.8	U	1.8	**1.2**	J	1.8				**1.3**		0.73	**1.3**		0.73	37	U	37	9.2	U	9.2	18	U	18
1,1,2,2-Tetrachloroethane	7.3	U	7.3	1.5	U	1.5	1.5	U	1.5				0.58	U	0.58	0.58	U	0.58	29	U	29	7.3	U	7.3	15	U	15
1,1,2-Trichloroethane	9.2	U	9.2	1.8	U	1.8	1.8	U	1.8				0.73	U	0.73	0.73	U	0.73	37	U	37	9.2	U	9.2	18	U	18
1,1-Dichloroethane	**23**		12	**59**		2.5	***110***		2.5				***120***		0.99	***130***		0.99	49	U	49	***11***	J	12	25	U	25
1,1-Dichloroethene	**48**		13	2.5	U	2.5	2.5	U	2.5				1.0	U	1.0	1.0	U	1.0	50	U	50	**11**	J	13	25	U	25
1,2-Dibromoethane	6.5	U	6.5	1.3	U	1.3	1.3	U	1.3				0.52	U	0.52	0.52	U	0.52	26	U	26	6.5	U	6.5	13	U	13
1,2-Dichlorobenzene	8.3	U	8.3	1.7	U	1.7	1.7	U	1.7				0.67	U	0.67	0.67	U	0.67	33	U	33	8.3	U	8.3	17	U	17
1,2-Dichloroethane	12	U	12	2.5	U	2.5	2.5	U	2.5				0.99	U	0.99	0.99	U	0.99	49	U	49	12	U	12	25	U	25
1,2-Dichloropropane	11	U	11	**15**		2.2	**190**		2.2				**190**		0.87	**250**		0.87	43	U	43	11	U	11	22	U	22
1,3-Dichlorobenzene	8.3	U	8.3	1.7	U	1.7	1.7	U	1.7				0.67	U	0.67	0.67	U	0.67	33	U	33	8.3	U	8.3	17	U	17
1,4-Dichlorobenzene	8.3	U	8.3	1.7	U	1.7	1.7	U	1.7				0.67	U	0.67	0.67	U	0.67	33	U	33	8.3	U	8.3	17	U	17
2-Butanone	17	U	17	3.4	U	3.4	3.4	U	3.4				1.4	U	1.4	1.4	U	1.4	68	U	68	17	U	17	34	U	34
2-Hexanone	12	U	12	2.4	U	2.4	2.4	U	2.4				0.98	U	0.98	0.98	U	0.98	49	U	49	12	U	12	24	U	24
4-Methyl-2-Pentanone	12	U	12	2.4	U	2.4	2.4	U	2.4				**0.65**	J	0.98	0.98	U	0.98	49	U	49	12	U	12	24	U	24
Acetone	21	U	21	**5.9**		4.2	**2.9**	J	4.2				**3.1**		1.7	**1.8**		1.7	84	U	84	21	U	21	42	U	42
Benzene	**29**		16	**2.9**	J	3.1	**1.9**	J	3.1				**1.3**		1.3	**0.78**	J	1.3	63	U	63	16	U	16	31	U	31
Bromodichloromethane	7.5	U	7.5	1.5	U	1.5	1.5	U	1.5				**0.53**	J	0.60	**0.92**		0.60	30	U	30	7.5	U	7.5	15	U	15
Bromoform	4.8	U	4.8	0.97	U	0.97	0.97	U	0.97				0.39	U	0.39	0.39	U	0.39	19	U	19	4.8	U	4.8	9.7	U	9.7
Bromomethane	13	U	13	2.6	U	2.6	2.6	U	2.6				1.0	U	1.0	1.0	U	1.0	52	U	52	13	U	13	26	U	26
Carbon Disulfide	16	U	16	**2.5**	J	3.2	3.2	U	3.2				1.3	U	1.3	**1.3**		1.3	64	U	64	16	U	16	32	U	32
Carbon Tetrachloride	8.0	U	8.0	1.6	U	1.6	1.6	U	1.6				0.64	U	0.64	0.64	U	0.64	32	U	32	8.0	U	8.0	16	U	16
Chlorobenzene	11	U	11	2.2	U	2.2	2.2	U	2.2				0.87	U	0.87	0.87	U	0.87	43	U	43	11	U	11	22	U	22
Chloroethane	**14**	J	19	**5.4**		3.8	3.8	U	3.8				1.5	U	1.5	1.5	U	1.5	76	U	76	19	U	19	38	U	38
Chloroform	10	U	10	2.0	U	2.0	**4.5**		2.0				**4.8**		0.82	**6.1**		0.82	41	U	41	10	U	10	20	U	20
Chloromethane	24	U	24	4.8	U	4.8	4.8	U	4.8				1.9	U	1.9	1.9	U	1.9	97	U	97	24	U	24	48	U	48
cis-1,2-Dichloroethene	**480**		13	2.5	U	2.5	**9.5**		2.5				**11**		1.0	**9.9**		1.0	**90**		50	**54**		13	**55**		25
cis-1,3-Dichloropropane	11	U	11	2.2	U	2.2	2.2	U	2.2				0.88	U	0.88	0.88	U	0.88	44	U	44	11	U	11	22	U	22
Dibromochloromethane	5.9	U	5.9	1.2	U	1.2	1.2	U	1.2				0.47	U	0.47	0.47	U	0.47	23	U	23	5.9	U	5.9	12	U	12
Ethylbenzene	12	U	12	2.3	U	2.3	2.3	U	2.3				0.92	U	0.92	0.92	U	0.92	46	U	46	12	U	12	23	U	23
m- &p-Xylene	12	U	12	**1.6**	J	2.3	2.3	J[1]	2.3				**1.9**	J[1]	0.92	0.92	U	0.92	46	U	46	12	U	12	23	U	23
Methyl tert-Butyl Ether	14	U	14	**26**		2.8	2.8	U	2.8				**1.4**		1.1	**3.8**		1.1	55	U	55	14	U	14	28	U	28
Methylene Chloride	14	U	14	**2.3**	J	2.9	2.9	U	2.9				1.2	U	1.2	1.2	U	1.2	58	U	58	14	U	14	29	U	29
o-Xylene	12	U	12	2.3	U	2.3	2.3	U	2.3				**0.78**	J	0.92	0.92	U	0.92	46	U	46	12	U	12	23	U	23
Styrene	12	U	12	2.3	U	2.3	2.3	U	2.3				0.94	U	0.94	0.94	U	0.94	47	U	47	12	U	12	23	U	23
Tetrachloroethene	**520**		7.4	**3.1**		1.5	**110**		1.5				**100**		0.59	**110**		0.59	30	U	30	**32**		7.4	**40**		15
Toluene	13	U	13	**2.7**		2.7	2.7	U	2.7				1.1	U	1.1	1.1	U	1.1	53	U	53	13	U	13	27	U	27
trans-1,2-Dichloroethene	**340**		13	2.5	U	2.5	2.5	U	2.5				1.0	U	1.0	1.0	U	1.0	50	U	50	**7.9**	J	13	25	U	25
trans-1,3-Dichloropropene	11	U	11	2.2	U	2.2	2.2	U	2.2				0.88	U	0.88	0.88	U	0.88	44	U	44	11	U	11	22	U	22
Trichloroethene	***1,000***		9.3	1.9	U	1.9	**15**		1.9				**16**		0.74	**17**		0.74	**31**	J	37	***550***		9.3	***670***		19
Trichlorofluoromethane	8.9	U	8.9	1.8	U	1.8	1.8	U	1.8				0.71	U	0.71	0.71	U	0.71	36	U	36	8.9	U	8.9	18	U	18
Trichlorotrifluoroethane	6.5	U	6.5	1.3	U	1.3	1.3	U	1.3				0.52	U*	0.52	0.52	U	0.52	26	U	26	6.5	U	6.5	13	U	13
Vinyl Acetate	14	U	14	2.8	U	2.8	2.8	U	2.8				1.1	U	1.1	1.1	U	1.1	57	U	57	14	U	14	28	U	28
Vinyl Chloride	***70***		20	3.9	U	3.9	3.9	U	3.9				1.6	U	1.6	1.6	U	1.6	78	U	78	20	U	20	39	U	39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL. (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW54-012			VW54-012			VW54-020			VW54-030			VWFD54-030			VW54-030			VW55-018			VW55-029			VW56-08		
Sample Number	WDI-VW54-12-05			WDI-VW54-12-05			WDI-VW54-20-05			WDI-VW54-30-05			WDI-VWFD54-30-05			WDI-VW54-30-05			WDI-VW55-18-05			WDI-VW55-29-05			WDI-VW56-08-05		
Sample Type	REG			DUP			REG			REG			REG			DUP			REG			REG			REG		
Sample Depth	12			12			20			30			30			30			18			29			8		
Sample Date	2/8/99			2/8/99			2/8/99			2/8/99			2/8/99			2/8/99			2/9/99			2/9/99			2/9/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900259-008			P9900259-008DUP			P9900259-009			P9900259-010			P9900259-014			P9900259-010DUP			P9900276-001			P9900276-002			P9900276-010		
Analysis Date	2/11/99			2/11/99			2/11/99			2/11/99			2/11/99			2/20/99			2/18/99			2/18/99			2/18/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**7,000**		1,000				**6,280**		1,000	**6,120**		1,000	**6,110**		1,000				***13,000***		4.7	**11,000**		4.7	**11**		0.50
Total Nonmethane (ppmv)	**230**		1.0	**220**		1.0	**130**		1.0	**92**		1.0	**76**		1.0				**390**		9.4	**210**		9.4	**71**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	1.8	U	1.8				1.8	U	1.8	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	3.7	U	3.7	3.7	U	3.7	0.73	U	0.73
1,1,2,2-Tetrachloroethane	1.5	U	1.5				1.5	U	1.5	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	2.9	U	2.9	2.9	U	2.9	0.58	U	0.58
1,1,2-Trichloroethane	1.8	U	1.8				1.8	U	1.8	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	3.7	U	3.7	3.7	U	3.7	0.73	U	0.73
1,1-Dichloroethane	2.5	U	2.5				2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**7.6**		4.9	**7.5**		4.9	**7.8**		0.99
1,1-Dichloroethene	2.5	U	2.5				**1.8**	J	2.5	**1.0**		1.0	**0.99**	J	1.0	**1.1**		1.0	**39**		5.0	**44**		5.0	**2.6**		1.0
1,2-Dibromoethane	1.3	U	1.3				1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	2.6	U	2.6	2.6	U	2.6	0.52	U	0.52
1,2-Dichlorobenzene	1.7	U	1.7				1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	3.3	U	3.3	3.3	U	3.3	0.67	U	0.67
1,2-Dichloroethane	2.5	U	2.5				2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	4.9	U	4.9	4.9	U	4.9	0.99	U	0.99
1,2-Dichloropropane	2.2	U	2.2				2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	4.3	U	4.3	4.3	U	4.3	0.87	U	0.87
1,3-Dichlorobenzene	1.7	U	1.7				1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	3.3	U	3.3	3.3	U	3.3	0.67	U	0.67
1,4-Dichlorobenzene	1.7	U	1.7				1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	3.3	U	3.3	3.3	U	3.3	0.67	U	0.67
2-Butanone	3.4	U	3.4				3.4	U	3.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	6.8	U	6.8	6.8	U	6.8	1.4	U	1.4
2-Hexanone	2.4	U	2.4				2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	4.9	U	4.9	4.9	U	4.9	0.98	U	0.98
4-Methyl-2-Pentanone	2.4	U	2.4				2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	4.9	U	4.9	4.9	U	4.9	0.98	U	0.98
Acetone	4.2	U	4.2				4.2	U	4.2	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	8.4	U	8.4	**130**		8.4	1.7	U	1.7
Benzene	3.1	U	3.1				3.1	U	3.1	**2.7**		1.3	**2.7**		1.3	**2.6**		1.3	**13**		6.3	6.3	U	6.3	**13**		1.3
Bromodichloromethane	1.5	U	1.5				1.5	U	1.5	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	3.0	U	3.0	3.0	U	3.0	0.60	U	0.60
Bromoform	0.97	U	0.97				0.97	U	0.97	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	1.9	U	1.9	1.9	U	1.9	0.39	U	0.39
Bromomethane	2.6	U	2.6				2.6	U	2.6	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	5.2	U	5.2	5.2	U	5.2	1.0	U	1.0
Carbon Disulfide	3.2	U	3.2				3.2	U	3.2	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	6.4	U	6.4	**12**		6.4	**3.1**		1.3
Carbon Tetrachloride	1.6	U	1.6				1.6	U	1.6	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	3.2	U	3.2	3.2	U	3.2	0.64	U	0.64
Chlorobenzene	2.2	U	2.2				2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	4.3	U	4.3	4.3	U	4.3	0.87	U	0.87
Chloroethane	3.8	U	3.8				3.8	U	3.8	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	7.6	U	7.6	7.6	U	7.6	1.5	U	1.5
Chloroform	2.0	U	2.0				2.0	U	2.0	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	4.1	U	4.1	4.1	U	4.1	0.82	U	0.82
Chloromethane	4.8	U	4.8				4.8	U	4.8	1.9	UJ	1.9	1.9	UJ	1.9	1.9	U	1.9	9.7	U	9.7	9.7	U	9.7	1.9	U	1.9
cis-1,2-Dichloroethene	2.5	U	2.5				**8.9**		2.5	**4.3**		1.0	**4.5**		1.0	**4.2**		1.0	**180**		5.0	**230**		5.0	**200**		1.0
cis-1,3-Dichloropropane	2.2	U	2.2				2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	4.4	U	4.4	4.4	U	4.4	0.88	U	0.88
Dibromochloromethane	1.2	U	1.2				1.2	U	1.2	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	2.3	U	2.3	2.3	U	2.3	0.47	U	0.47
Ethylbenzene	2.3	U	2.3				2.3	U	2.3	**2.0**		0.92	**2.6**		0.92	**1.9**		0.92	4.6	U	4.6	4.6	U	4.6	0.92	U	0.92
m- &p-Xylene	**5.2**		2.3				**3.7**		2.3	**8.9**	J^1	0.92	**12**	J^1	0.92	**9.0**		0.92	4.6	U	4.6	4.6	U	4.6	0.92	U	0.92
Methyl tert-Butyl Ether	2.8	U	2.8				2.8	U	2.8	**2.2**		1.1	**1.3**		1.1	**2.2**		1.1	5.5	U	5.5	5.5	U	5.5	**150**		1.1
Methylene Chloride	2.9	U	2.9				2.9	U	2.9	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	5.8	U	5.8	**4.5**	J	5.8	1.2	U	1.2
o-Xylene	**2.1**	J	2.3				**1.4**	J	2.3	**3.5**	J^1	0.92	**4.7**	J^1	0.92	**3.5**		0.92	4.6	U	4.6	4.6	U	4.6	0.92	U	0.92
Styrene	2.3	U	2.3				2.3	U	2.3	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	4.7	U	4.7	4.7	U	4.7	0.94	U	0.94
Tetrachloroethene	1.5	U	1.5				1.5	U	1.5	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	**6.1**		3.0	**9.0**		3.0	**23**		0.59
Toluene	**2.8**		2.7				**2.1**	J	2.7	**5.8**		1.1	**6.7**		1.1	**5.9**		1.1	5.3	U	5.3	5.3	U	5.3	1.1	U	1.1
trans-1,2-Dichloroethene	2.5	U	2.5				2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**45**		5.0	**47**		5.0	**9.4**		1.0
trans-1,3-Dichloropropene	2.2	U	2.2				2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	4.4	U	4.4	4.4	U	4.4	0.88	U	0.88
Trichloroethene	1.9	U	1.9				**3.0**		1.9	**1.1**		0.74	**0.89**		0.74	**1.1**		0.74	***470***		3.7	***470***		3.7	**82**		0.74
Trichlorofluoromethane	1.8	U	1.8				1.8	U	1.8	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	3.6	U	3.6	3.6	U	3.6	0.71	U	0.71
Trichlorotrifluoroethane	1.3	U	1.3				1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	2.6	U	2.6	2.6	U	2.6	0.52	U	0.52
Vinyl Acetate	2.8	U	2.8				2.8	U	2.8	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	5.7	U	5.7	5.7	U	5.7	1.1	U	1.1
Vinyl Chloride	3.9	U	3.9				**5.4**		3.9	**6.5**	J^1	1.6	**3.2**	J^1	1.6	**1.5**	J	1.6	***73***		7.8	***22***		7.8	**5.1**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW56-08			VWFD56-08			VW56-017			VW56-028			VW57-07			VW57-07			VW57-018			VW57-025			VW58-08		
Sample Number	WDI-VW56-08-05			WDI-VWFD-56-08-05			WDI-VW56-17-05			WDI-VW56-28-05			WDI-VW57-07-05			WDI-VW57-07-05			WDI-VW57-18-05			WDI-VW57-25-05			WDI-VW58-08-05		
Sample Type	DUP			REG			REG			REG			REG			DUP			REG			REG			REG		
Sample Depth	8			8			17			28			7			7			18			25			8		
Sample Date	2/9/99			2/9/99			2/9/99			2/9/99			2/9/99			2/9/99			2/9/99			2/9/99			2/9/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900276-010DUP			P9900276-013			P9900276-011			P9900276-012			P9900276-003			P9900276-003DUP			P9900276-004			P9900276-005			P9900269-018		
Analysis Date	2/18/99			2/18/99			2/18/99			2/18/99			2/18/99			2/26/99			2/18/99			2/18/99			2/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	***11***		*0.50*	***12***		*0.50*	**2.8**		*0.50*	**3.1**		0.50	**760**		4.7				**20**		4.7	***17***		*0.50*	**0.89**		0.50
Total Nonmethane (ppmv)	**68**		1.0	**48**		1.0	**59**		1.0	**57**		1.0	**200**		9.4				**220**		9.4	**54**		1.0	**11**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				1.8	U	1.8	**1.5**		0.73	**1.6**		0.73	0.73	U	0.73	0.73	U	0.73	**4.5**		1.8	**5.3**		0.73	**18**		0.73
1,1,2,2-Tetrachloroethane				1.5	U	1.5	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				1.8	U	1.8	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				**7.4**		2.5	**7.3**		0.99	**6.7**		0.99	0.99	U	0.99	0.99	U	0.99	6.8		2.5	**7.1**		0.99	0.99	U	0.99
1,1-Dichloroethene				**3.3**		2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	**1.6**		1.0	1.0	U	1.0
1,2-Dibromoethane				1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				**4.8**		1.7	0.67	U	0.67	**0.50**	J	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				1.7	U	1.7	0.67	U	0.67	**0.43**	J	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				1.7	U	1.7	0.67	U	0.67	**0.39**	J	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
2-Butanone				**6.1**		3.4	**1.9**		1.4	**2.8**		1.4	**1.0**	J	1.4	**1.0**	J	1.4	3.4	U	3.4	1.4	U	1.4	**5.8**		1.4
2-Hexanone				2.4	U	2.4	**2.0**		0.98	**1.7**		0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				**2.7**		2.4	**1.9**		0.98	**2.1**		0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
Acetone				**32**		4.2	1.7	U	1.7	**23**		1.7	1.7	U	1.7	1.7	U	1.7	4.2	U	4.2	1.7	U	1.7	**4.6**		1.7
Benzene				**17**		3.1	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	3.1	U	3.1	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane				1.5	U	1.5	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60
Bromoform				0.97	U	0.97	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39
Bromomethane				2.6	U	2.6	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				3.2	U	3.2	1.3	U	1.3	**1.7**		1.3	1.3	U	1.3	1.3	U	1.3	3.2	U	3.2	1.3	U	1.3	**0.80**	J	1.3
Carbon Tetrachloride				1.6	U	1.6	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64
Chlorobenzene				2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
Chloroethane				3.8	U	3.8	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5
Chloroform				2.0	U	2.0	**19**		0.82	**21**		0.82	0.82	U	0.82	0.82	U	0.82	**3.6**		2.0	**4.5**		0.82	**1.7**		0.82
Chloromethane				4.8	U	4.8	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				**210**		2.5	**39**		1.0	**16**		1.0	**1.1**		1.0	**1.0**		1.0	2.5	U	2.5	**1.5**		1.0	1.0	U	1.0
cis-1,3-Dichloropropane				2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				1.2	U	1.2	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47
Ethylbenzene				**21**		2.3	0.92	U	0.92	**0.77**	J	0.92	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene				**100**		2.3	0.92	U	0.92	**2.0**		0.92	**1.7**		0.92	**1.7**		0.92	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether				**140**		2.8	**13**		1.1	**7.0**		1.1	**3.2**		1.1	**3.3**		1.1	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Methylene Chloride				2.9	U	2.9	1.2	U	1.2	1.2	U	1.2	**3.1**		1.2	**3.1**		1.2	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2
o-Xylene				**55**		2.3	0.92	U	0.92	**0.95**		0.92	**0.61**	J	0.92	**0.59**	J	0.92	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92
Styrene				2.3	U	2.3	0.94	U	0.94	**0.85**	J	0.94	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene				**22**		1.5	**28**		0.59	**30**		0.59	**0.45**	J	0.59	**0.41**	J	0.59	**140**		1.5	**190**		0.59	**13**		0.59
Toluene				**42**		2.7	1.1	U	1.1	**1.2**		1.1	**3.5**		1.1	**3.4**		1.1	2.7	U	2.7	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene				**9.9**		2.5	**0.92**	J	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene				2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Trichloroethene				**81**		1.9	***550***		0.74	***590***		0.74	**0.85**		0.74	**0.79**		0.74	***740***		1.9	***1,100***		0.74	***2,200***		0.74
Trichlorofluoromethane				1.8	U	1.8	**0.45**	J	0.71	**0.50**	J	0.71	0.71	U	0.71	0.71	U	0.71	1.8	U	1.8	0.71	U	0.71	**0.44**	J	0.71
Trichlorotrifluoroethane				1.3	U	1.3	**0.81**		0.52	**0.83**		0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	**0.48**	J	0.52	0.52	U	0.52
Vinyl Acetate				2.8	U	2.8	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride				**5.1**		3.9	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	3.9	U	3.9	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW58-019			VW58-029			VW58-029			VW59-07			VW59-07			VW59-017			VW59-027			VW60-010			VW60-018		
Sample Number	WDI-VW58-19-05			WDI-VW58-29-05			WDI-VW58-29-05			WDI-VW59-07-05			WDI-VW59-07-05			WDI-VW59-17-05			WDI-VW59-27-05			WDI-VW60-10-05			WDI-VW60-18-05		
Sample Type	REG			REG			DUP			REG			DUP			REG			REG			REG			REG		
Sample Depth	19			29			29			7			7			17			27			10			18		
Sample Date	2/9/99			2/9/99			2/9/99			2/5/99			2/5/99			2/5/99			2/5/99			2/3/99			2/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900269-019			P9900269-020			P9900269-020DUP			P9900247-005			P9900247-005DUP			P9900247-006			P9900247-007			P9900222-012			P9900222-013		
Analysis Date	2/12/99			2/12/99			2/12/99			2/10/99			2/12/99			2/10/99			2/10/99			2/4/99			2/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.78**		0.50	**0.99**		0.50	**0.81**		0.50	**5.2**		0.50				0.50	U	0.50	**0.67**		0.50	**1.0**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**29**		1.0	**25**		1.0	**25**		1.0	**15**		1.0				**24**		1.0	**21**		1.0	**11**		1.0	**20**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**12**		0.73	**9.2**		0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**1.2**		0.73	**0.81**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	**0.67**	J	0.99	**0.74**	J	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**6.4**		0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	**87**		1.4				1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**1.5**	J	1.7	**47**		1.7				**3.8**		1.7	**3.9**		1.7	**3.0**		1.7	**2.6**		1.7	**2.6**		1.7	**4.0**		1.7
Benzene	**1.0**	J	1.3	**0.98**	J	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**2.8**		1.3	**1.8**		1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	**4.1**		0.82	**3.9**		0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**0.87**	J	1.0	**1.2**		1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92				**0.83**	J	0.92	**0.86**	J	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1				**2.1**		1.1	**2.1**		1.1	1.1	U	1.1	1.1	U	1.1	**4.4**		1.1	**1.2**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	**0.92**	J	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**120**		0.59	**100**		0.59				**1.3**		0.59	**1.3**		0.59	**32**		0.59	**50**		0.59	**130**		0.59	**38**		0.59
Toluene	**0.69**	J	1.1	**1.1**	U	1.1				**1.9**		1.1	**1.8**		1.1	1.1	U	1.1	1.1	U	1.1	**0.75**	J	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	**0.62**	J	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	***3,700***		0.74	***2,800***		0.74				0.74	U	0.74	0.74	U	0.74	**3.7**		0.74	**6.8**		0.74	**2.7**		0.74	**2.1**		0.74
Trichlorofluoromethane	**0.50**	J	0.71	**0.45**	J	0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW60-018			VW60-028			VW61-08			VW61-019			VW61-030			VW61-030			VW62-08			VW62-018			VW62-029		
Sample Number	WDI-VW60-18-05			WDI-VW60-28-05			WDI-VW61-08-05			WDI-VW61-19-05			WDI-VW61-30-05			WDI-VW61-30-05			WDI-VW62-08-05			WDI-VW62-18-05			WDI-VW62-29-05		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	18			28			8			19			30			30			8			18			29		
Sample Date	2/3/99			2/3/99			2/4/99			2/4/99			2/4/99			2/4/99			2/2/99			2/2/99			2/2/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900222-013DUP			P9900222-014			P9900233-016			P9900233-017			P9900233-018			P9900233-018DUP			P9900222-005			P9900222-006			P9900222-007		
Analysis Date	2/6/99			2/4/99			2/5/99			2/5/99			2/5/99			2/10/99			2/4/99			2/4/99			2/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				0.50	U	0.50	**1.6**		0.50	**44**		0.50	**9.8**		0.50				***39,000***		0.50	**2,700**		0.50	**2,100**		0.50
Total Nonmethane (ppmv)				**20**		1.0	**26**		1.0	**70**		1.0	**54**		1.0				**45**		1.0	**35**		1.0	**30**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**0.80**		0.73	**0.83**		0.73	**2.3**		0.73	**13**		0.73	**25**		0.73	**26**		0.73	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	*0.73*	*U*	*0.73*	*0.73*	*U*	*0.73*	*0.73*	*U*	*0.73*	*0.73*	*U*	*0.73*	*0.73*	*U*	*0.73*	*0.73*	*U*	*0.73*	*1.8*	*U*	*1.8*	*0.73*	*U*	*0.73*	*0.73*	*U*	*0.73*
1,1-Dichloroethane	**6.6**		0.99	**7.9**		0.99	**1.8**		0.99	**42**		0.99	**37**		0.99	**36**		0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	**1.8**		1.7	**0.67**		0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	**65**		0.87	**16**		0.87	**16**		0.87	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	**1.1**	J	1.7	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	**7.8**		1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	3.4	U	3.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	**0.63**	J	0.98	0.98	U	0.98	**1.1**		0.98	**1.1**		0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	*0.98*	*U*	*0.98*	*0.98*	*U*	*0.98*	*0.98*	*U*	*0.98*	*0.98*	*U*	*0.98*	***0.92***	*J*	*0.98*	***0.83***	*J*	*0.98*	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
Acetone	**4.0**		1.7	**1.7**		1.7	**59**		1.7	**5.1**		1.7	**3.4**		1.7	**3.3**		1.7	4.2	U	4.2	1.7	U	1.7	**10**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**1.5**		1.3	**7.1**		1.3	**0.89**	J	1.3	**0.89**	J	1.3	2.2	J	3.1	**0.81**	J	1.3	**0.82**	J	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	**3.8**		1.3	**11**		1.3	**5.1**		1.3	**5.0**		1.3	3.2	U	3.2	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	**5.6**		2.2	**2.0**		0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	**1.4**	J	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	**0.71**	J	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	2.0	U	2.0	0.82	U	0.82	0.82	U	0.82
Chloromethane	*1.9*	*U*	*1.9*	*1.9*	*U*	*1.9*	**4.0**		*1.9*	*1.9*	*U*	*1.9*	**1.6**	*J*	*1.9*	**1.5**	*J*	*1.9*	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**7.6**		1.0	**0.65**	J	1.0	**0.60**	J	1.0	2.5	U	2.5	**1.1**		1.0	**1.6**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**2.2**		0.92	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	**0.56**	J	0.92	**0.88**	J	0.92	**6.9**		0.92	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	**1.2**		1.1	**1.6**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	**0.75**	J	1.2	1.2	U	1.2	**0.91**	J	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.1**		0.92	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**37**		0.59	**41**		0.59	**17**		0.59	**25**		0.59	**33**		0.59	**33**		0.59	1.5	U	1.5	**0.48**	J	0.59	**0.40**	J	0.59
Toluene	*1.1*	*U*	*1.1*	**1.2**		1.1	**2.3**		*1.1*	**1.9**		*1.1*	*1.1*	*U*	*1.1*	*1.1*	*U*	*1.1*	2.7	U	2.7	*1.1*	*U*	*1.1*	*1.1*	*U*	*1.1*
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**2.0**		0.74	**3.6**		0.74	**1.4**		0.74	**1.2**		0.74	**1.8**		0.74	**1.7**		0.74	1.9	U	1.9	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	1.8	U	1.8	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	*38*		1.6	1.6	U	1.6	1.6	U	1.6	3.9	U	3.9	**8.8**		1.6	**6.5**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW63-08			VW63-018			VW63-028			VW63-028			MP01-05			MP01-015			MP01-015			MP02-05			MP02-015		
Sample Number	WDI-VW63-08-05			WDI-VW63-18-05			WDI-VW63-28-05			WDI-VW63-28-05			WDI-MP01-05-05			WDI-MP01-15-05			WDI-MP01-15-05			WDI-MP02-05-05			WDI-MP02-15-05		
Sample Type	REG			REG			REG			DUP			REG			REG			DUP			REG			REG		
Sample Depth	8			18			28			28			5			15			15			5			15		
Sample Date	2/10/99			2/10/99			2/10/99			2/10/99			2/10/99			2/10/99			2/10/99			2/10/99			2/10/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900276-021			P9900276-022			P9900276-023			P9900276-023DUP			P9900299-007			P9900299-008			P9900299-008DUP			P9900299-005			P9900299-006		
Analysis Date	2/18/99			2/18/99			2/18/99			3/3/99			2/22/99			2/22/99			2/22/99			2/22/99			2/22/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**710**		0.50	***0.94***		0.50	0.50	U	0.50	0.50	U	0.50	**32**		0.50	***947,000***		1,000	***940,000***		1,000	**2.1**		0.50	***825,000***		1,000
Total Nonmethane (ppmv)	**72**		1.0	**59**		1.0	**42**		1.0	**38**		1.0	**44**		1.0	**41,000**		19	**41,000**		19	**17**		1.0	**51,000**		19
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	**3.7**		0.73	370	U	370				**0.69**	J	0.73	370	U	370
1,1,2,2-Tetrachloroethane	0.58	U	0.58	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.58	U	0.58	290	U	290				0.58	U	0.58	290	U	290
1,1,2-Trichloroethane	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	0.73	U	0.73	370	U	370				0.73	U	0.73	370	U	370
1,1-Dichloroethane	0.99	U	0.99	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	490	U	490				0.99	U	0.99	490	U	490
1,1-Dichloroethene	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	500	U	500				1.0	U	1.0	500	U	500
1,2-Dibromoethane	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	260	U	260				0.52	U	0.52	260	U	260
1,2-Dichlorobenzene	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	330	U	330				0.67	U	0.67	330	U	330
1,2-Dichloroethane	0.99	U	0.99	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	490	U	490				0.99	U	0.99	490	U	490
1,2-Dichloropropane	0.87	U	0.87	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	430	U	430				0.87	U	0.87	430	U	430
1,3-Dichlorobenzene	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	330	U	330				0.67	U	0.67	330	U	330
1,4-Dichlorobenzene	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	330	U	330				0.67	U	0.67	330	U	330
2-Butanone	1.4	U	1.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	1.4	U	1.4	680	U	680				**2.5**		1.4	680	U	680
2-Hexanone	0.98	U	0.98	2.4	U	2.4	**1.7**	J	2.4	**1.9**	J	2.4	0.98	U	0.98	490	U	490				0.98	U	0.98	490	U	490
4-Methyl-2-Pentanone	0.98	U	0.98	2.4	U	2.4	**1.8**	J	2.4	**1.8**	J	2.4	0.98	U	0.98	490	U	490				0.98	U	0.98	490	U	490
Acetone	**4.2**		1.7	**7.7**		4.2	**4.8**		4.2	**4.7**		4.2	**3.9**		1.7	840	U	840				**12**		1.7	840	U	840
Benzene	1.3	U	1.3	3.1	U	3.1	3.1	U	3.1	3.1	U	3.1	1.3	U	1.3	630	U	630				1.3	U	1.3	630	U	630
Bromodichloromethane	0.60	U	0.60	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.60	U	0.60	300	U	300				0.60	U	0.60	300	U	300
Bromoform	0.39	U	0.39	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.39	U	0.39	190	U	190				0.39	U	0.39	190	U	190
Bromomethane	1.0	U	1.0	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	1.0	U	1.0	520	U	520				1.0	U	1.0	520	U	520
Carbon Disulfide	**2.8**		1.3	3.2	U	3.2	**4.0**		3.2	**3.7**		3.2	1.3	U	1.3	640	U	640				**1.6**		1.3	640	U	640
Carbon Tetrachloride	0.64	U	0.64	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	0.64	U	0.64	320	U	320				0.64	U	0.64	320	U	320
Chlorobenzene	0.87	U	0.87	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	430	U	430				0.87	U	0.87	430	U	430
Chloroethane	1.5	U	1.5	3.8	U	3.8	3.8	U	3.8	3.8	U	3.8	1.5	U	1.5	760	U	760				1.5	U	1.5	760	U	760
Chloroform	0.82	U	0.82	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	0.82	U	0.82	410	U	410				0.82	U	0.82	410	U	410
Chloromethane	1.9	U	1.9	4.8	U	4.8	4.8	U	4.8	4.8	U	4.8	1.9	U	1.9	970	U	970				1.9	U	1.9	970	U	970
cis-1,2-Dichloroethene	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	500	U	500				1.0	U	1.0	500	U	500
cis-1,3-Dichloropropane	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	440	U	440				0.88	U	0.88	440	U	440
Dibromochloromethane	0.47	U	0.47	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	0.47	U	0.47	230	U	230				0.47	U	0.47	230	U	230
Ethylbenzene	0.92	U	0.92	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	460	U	460				0.92	U	0.92	460	U	460
m- &p-Xylene	0.92	U	0.92	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	**0.56**	J	0.92	460	U	460				0.92	U	0.92	460	U	460
Methyl tert-Butyl Ether	1.1	U	1.1	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	550	U	550				1.1	U	1.1	550	U	550
Methylene Chloride	1.2	U	1.2	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	**0.96**	J	1.2	580	U	580				**1.0**	J	1.2	580	U	580
o-Xylene	0.92	U	0.92	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	460	U	460				0.92	U	0.92	460	U	460
Styrene	0.94	U	0.94	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.94	U	0.94	470	U	470				0.94	U	0.94	470	U	470
Tetrachloroethene	**0.55**	J	0.59	**99**		1.5	**170**		1.5	**170**		1.5	**6.0**		0.59	300	U	300				**38**		0.59	300	U	300
Toluene	**0.90**	J	1.1	2.7	U	2.7	2.7	U	2.7	2.7	U	2.7	**0.78**	J	1.1	530	U	530				**2.5**		1.1	530	U	530
trans-1,2-Dichloroethene	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	500	U	500				1.0	U	1.0	500	U	500
trans-1,3-Dichloropropene	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	440	U	440				0.88	U	0.88	440	U	440
Trichloroethene	**1.0**		0.74	**6.7**		1.9	**14**		1.9	**13**		1.9	**0.50**	J	0.74	370	U	370				**1.2**		0.74	370	U	370
Trichlorofluoromethane	0.71	U	0.71	1.8	U	1.8	**1.2**	J	1.8	**1.1**	J	1.8	**0.48**	J	0.71	360	U	360				0.71	U	0.71	360	U	360
Trichlorotrifluoroethane	0.52	U	0.52	**0.85**	J	1.3	**1.6**		1.3	**1.4**		1.3	0.52	U	0.52	260	U	260				0.52	U	0.52	260	U	260
Vinyl Acetate	1.1	U	1.1	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	570	U	570				1.1	U	1.1	570	U	570
Vinyl Chloride	1.6	U	1.6	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	1.6	U	1.6	780	U	780				1.6	U	1.6	780	U	780

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location				Field Blank			Field Blank			Field Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	(dup3)			WDI-VWFB2-08			WDI-VWFB-02-09			WDI-VWFB2-10			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	DUP			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																											
Sample Date	2/5/99			2/8/99			2/9/99			2/10/99			NA			NA			NA			NA			NA		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	(dup3)			P9900269-014			P9900276-014			P9900299-013			P990204-MB			P990205-MB			P99-0203MB			P99-0204MB			P990206-MB		
Analysis Date	2/11/99			2/12/99			2/18/99			2/22/99			2/4/99			2/5/99			2/3/99			2/4/99			2/6/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50							0.50	U	0.50	0.50	U	0.50			
Total Nonmethane (ppmv)	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0							1.0	U	1.0	1.0	U	1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.73	U	0.73	6.6	U	6.6	0.73	U	0.73	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18
1,1,2,2-Tetrachloroethane				0.58	U	0.58	5.2	U	5.2	0.58	U	0.58	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15
1,1,2-Trichloroethane				0.73	U	0.73	6.6	U	6.6	0.73	U	0.73	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18
1,1-Dichloroethane				0.99	U	0.99	8.9	U	8.9	0.99	U	0.99	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25
1,1-Dichloroethene				1.0	U	1.0	9.1	U	9.1	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25
1,2-Dibromoethane				0.52	U	0.52	4.7	U	4.7	0.52	U	0.52	0.13	U	0.13	0.13	U	0.13							0.13	U	0.13
1,2-Dichlorobenzene				0.67	U	0.67	6.0	U	6.0	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17
1,2-Dichloroethane				0.99	U	0.99	8.9	U	8.9	0.99	U	0.99	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25
1,2-Dichloropropane				0.87	U	0.87	7.8	U	7.8	0.87	U	0.87	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22
1,3-Dichlorobenzene				0.67	U	0.67	6.0	U	6.0	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17
1,4-Dichlorobenzene				0.67	U	0.67	6.0	U	6.0	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17
2-Butanone				1.4	U	1.4	12	U	12	1.4	U	1.4	0.34	U	0.34	0.34	U	0.34							0.34	U	0.34
2-Hexanone				0.98	U	0.98	8.8	U	8.8	0.98	U	0.98	0.24	U	0.24	0.24	U	0.24							0.24	U	0.24
4-Methyl-2-Pentanone				0.98	U	0.98	8.8	U	8.8	0.98	U	0.98	0.24	U	0.24	0.24	U	0.24							0.24	U	0.24
Acetone				1.7	U	1.7	15	U	15	1.7	U	1.7	0.42	U	0.42	0.42	U	0.42							0.42	U	0.42
Benzene				1.3	U	1.3	11	U	11	1.3	U	1.3	0.31	U	0.31	0.31	U	0.31							0.31	U	0.31
Bromodichloromethane				0.60	U	0.60	5.4	U	5.4	0.60	U	0.60	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15
Bromoform				0.39	U	0.39	3.5	U	3.5	0.39	U	0.39	0.10	U	0.10	0.10	U	0.10							0.10	U	0.10
Bromomethane				1.0	U	1.0	9.3	U	9.3	1.0	U	1.0	0.26	U	0.26	0.26	U	0.26							0.26	U	0.26
Carbon Disulfide				1.3	U	1.3	12	U	12	1.3	U	1.3	0.32	U	0.32	0.32	U	0.32							0.32	U	0.32
Carbon Tetrachloride				0.64	U	0.64	5.7	U	5.7	0.64	U	0.64	0.16	U	0.16	0.16	U	0.16							0.16	U	0.16
Chlorobenzene				0.87	U	0.87	7.8	U	7.8	0.87	U	0.87	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22
Chloroethane				1.5	U	1.5	14	U	14	1.5	U	1.5	0.38	U	0.38	0.38	U	0.38							0.38	U	0.38
Chloroform				0.82	U	0.82	7.4	U	7.4	0.82	U	0.82	0.20	U	0.20	0.20	U	0.20							0.20	U	0.20
Chloromethane				1.9	U	1.9	17	U	17	1.9	U	1.9	0.48	U	0.48	0.48	U	0.48							0.48	U	0.48
cis-1,2-Dichloroethene				1.0	U	1.0	9.1	U	9.1	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25
cis-1,3-Dichloropropane				0.88	U	0.88	7.9	U	7.9	0.88	U	0.88	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22
Dibromochloromethane				0.47	U	0.47	4.2	U	4.2	0.47	U	0.47	0.12	U	0.12	0.12	U	0.12							0.12	U	0.12
Ethylbenzene				0.92	U	0.92	8.3	U	8.3	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23
m- &p-Xylene				0.92	U	0.92	8.3	U	8.3	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23
Methyl tert-Butyl Ether				1.1	U	1.1	10	U	10	1.1	U	1.1	0.28	U	0.28	0.28	U	0.28							0.28	U	0.28
Methylene Chloride				1.2	U	1.2	10	U	10	1.2	U	1.2	0.29	U	0.29	0.29	U	0.29							0.29	U	0.29
o-Xylene				0.92	U	0.92	8.3	U	8.3	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23
Styrene				0.94	U	0.94	8.5	U	8.5	0.94	U	0.94	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23
Tetrachloroethene				0.59	U	0.59	5.3	U	5.3	0.59	U	0.59	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15
Toluene				1.1	U	1.1	9.6	U	9.6	1.1	U	1.1	0.27	U	0.27	0.27	U	0.27							0.27	U	0.27
trans-1,2-Dichloroethene				1.0	U	1.0	9.1	U	9.1	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25
trans-1,3-Dichloropropene				0.88	U	0.88	7.9	U	7.9	0.88	U	0.88	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22
Trichloroethene				0.74	U	0.74	6.7	U	6.7	0.74	U	0.74	0.19	U	0.19	0.19	U	0.19							0.19	U	0.19
Trichlorofluoromethane				0.71	U	0.71	6.4	U	6.4	0.71	U	0.71	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18
Trichlorotrifluoroethane				0.52	U	0.52	4.7	U	4.7	0.52	U	0.52	0.13	U	0.13	0.13	U	0.13							0.13	U	0.13
Vinyl Acetate				1.1	U	1.1	10	U	10	1.1	U	1.1	0.28	U	0.28	0.28	U	0.28							0.28	U	0.28
Vinyl Chloride				1.6	U	1.6	14	U	14	1.6	U	1.6	0.39	U	0.39	0.39	U	0.39							0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																										
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																										
Field PID VOCs (ppm)																										
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990208-MB			P990204-MB			P990205-MB			P990206-MB			P990204-MB			P990208-MB			P990208-MB			P990217-MB			P990220-MB		
Analysis Date	2/5/99			2/4/99			2/5/99			2/6/99			2/4/99			2/4/99			2/8/99			2/17/99			2/20/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50										0.50	U	0.50	0.50	U	0.50									
Total Nonmethane (ppmv)	1.0	U	1.0										1.0	U	1.0	1.0	U	1.0									
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
2-Butanone				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34							0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
2-Hexanone				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Acetone				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42							0.42	U	0.42	0.42	U	0.42	0.42	U	0.42
Benzene				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31							0.31	U	0.31	0.31	U	0.31	0.31	U	0.31
Bromodichloromethane				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Bromoform				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10							0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Bromomethane				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26							0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Carbon Disulfide				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32							0.32	U	0.32	0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16							0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
Chlorobenzene				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Chloroethane				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38							0.38	U	0.38	0.38	U	0.38	0.38	U	0.38
Chloroform				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20							0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Chloromethane				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48							0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
cis-1,3-Dichloropropane				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Dibromochloromethane				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12							0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Ethylbenzene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
m- &p-Xylene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Methylene Chloride				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29							0.29	U	0.29	0.29	U	0.29	0.29	U	0.29
o-Xylene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Styrene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Tetrachloroethene				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Toluene				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27							0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Trichloroethene				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19							0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Vinyl Acetate				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Vinyl Chloride				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39							0.39	U	0.39	0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																											
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990222-MB			P990211-MB			P990212-MB			P990211-MB			P990216-MB			P990210-MB			P990222-MB			P990223-MB			P990224-MB		
Analysis Date	2/22/99			2/11/99			2/12/99			2/11/99			2/16/99			2/10/99			2/22/99			2/23/99			2/24/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				*0.50*	*U*	*0.50*	*0.50*	*U*	*0.50*							*0.50*	*U*	*0.50*									
Total Nonmethane (ppmv)				1.0	U	1.0	1.0	U	1.0							1.0	U	1.0									
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
2-Butanone	0.34	U	0.34							0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
2-Hexanone	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Acetone	0.42	U	0.42							0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42
Benzene	0.31	U	0.31							0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31
Bromodichloromethane	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Bromoform	0.10	U	0.10							0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Bromomethane	0.26	U	0.26							0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Carbon Disulfide	0.32	U	0.32							0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride	0.16	U	0.16							0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
Chlorobenzene	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Chloroethane	0.38	U	0.38							0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38
Chloroform	0.20	U	0.20							0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Chloromethane	0.48	U	0.48							0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
cis-1,3-Dichloropropane	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Dibromochloromethane	0.12	U	0.12							0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Ethylbenzene	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
m- &p-Xylene	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Methylene Chloride	0.29	U	0.29							0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29
o-Xylene	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Styrene	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Tetrachloroethene	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Toluene	0.27	U	0.27							0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Trichloroethene	0.19	U	0.19							0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Vinyl Acetate	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Vinyl Chloride	0.39	U	0.39							0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																														
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																														
Field PID VOCs (ppm)																														
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990212-MB			P990308-MB			P990309-MB			P990310-MB			P990210-MB			P990224-MB			P990225-MB			P990302-MB			P990218-MB		
Analysis Date	2/12/99			3/8/99			3/9/99			3/10/99			2/6/99			2/24/99			2/25/99			3/2/99			2/18/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50																						0.50	U	0.50
Total Nonmethane (ppmv)	1.0	U	1.0																						1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
1,1,2,2-Tetrachloroethane				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
1,1,2-Trichloroethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
1,1-Dichloroethane				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,1-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,2-Dibromoethane				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13			
1,2-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
1,2-Dichloroethane				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
1,3-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
1,4-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
2-Butanone				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34			
2-Hexanone				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24			
4-Methyl-2-Pentanone				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24			
Acetone				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42			
Benzene				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31			
Bromodichloromethane				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
Bromoform				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10			
Bromomethane				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26			
Carbon Disulfide				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32			
Carbon Tetrachloride				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16			
Chlorobenzene				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Chloroethane				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38			
Chloroform				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20			
Chloromethane				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48			
cis-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
cis-1,3-Dichloropropane				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Dibromochloromethane				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12			
Ethylbenzene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
m- &p-Xylene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
Methyl tert-Butyl Ether				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28			
Methylene Chloride				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29			
o-Xylene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
Styrene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
Tetrachloroethene				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
Toluene				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27			
trans-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
trans-1,3-Dichloropropene				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Trichloroethene				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19			
Trichlorofluoromethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
Trichlorotrifluoroethane				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13			
Vinyl Acetate				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28			
Vinyl Chloride				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J^1 = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.1

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
FEBRUARY 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank		
Sample Depth												
Sample Date	NA			NA			NA			NA		
Field Methane (%)												
Field PID VOCs (ppm)												
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990303-MB			P990308-MB			P990205-MB			P990208-MB		
Analysis Date	3/3/99			3/8/99			2/5/99			2/6/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)							0.50	U	0.50			
Total Nonmethane (ppmv)							1.0	U	1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
1,1,2-Trichloroethane	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
1,1-Dichloroethane	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,1-Dichloroethene	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,2-Dibromoethane	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13
1,2-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
1,2-Dichloroethane	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,2-Dichloropropane	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
1,3-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
1,4-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
2-Butanone	0.34	U	0.34	0.34	U	0.34				0.34	U	0.34
2-Hexanone	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24
4-Methyl-2-Pentanone	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24
Acetone	0.42	U	0.42	0.42	U	0.42				0.42	U	0.42
Benzene	0.31	U	0.31	0.31	U	0.31				0.31	U	0.31
Bromodichloromethane	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
Bromoform	0.10	U	0.10	0.10	U	0.10				0.10	U	0.10
Bromomethane	0.26	U	0.26	0.26	U	0.26				0.26	U	0.26
Carbon Disulfide	0.32	U	0.32	0.32	U	0.32				0.32	U	0.32
Carbon Tetrachloride	0.16	U	0.16	0.16	U	0.16				0.16	U	0.16
Chlorobenzene	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Chloroethane	0.38	U	0.38	0.38	U	0.38				0.38	U	0.38
Chloroform	0.20	U	0.20	0.20	U	0.20				0.20	U	0.20
Chloromethane	0.48	U	0.48	0.48	U	0.48				0.48	U	0.48
cis-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
cis-1,3-Dichloropropane	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Dibromochloromethane	0.12	U	0.12	0.12	U	0.12				0.12	U	0.12
Ethylbenzene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
m- &p-Xylene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Methyl tert-Butyl Ether	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28
Methylene Chloride	0.29	U	0.29	0.29	U	0.29				0.29	U	0.29
o-Xylene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Styrene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Tetrachloroethene	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
Toluene	0.27	U	0.27	0.27	U	0.27				0.27	U	0.27
trans-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
trans-1,3-Dichloropropene	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Trichloroethene	0.19	U	0.19	0.19	U	0.19				0.19	U	0.19
Trichlorofluoromethane	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
Trichlorotrifluoroethane	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13
Vinyl Acetate	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28
Vinyl Chloride	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J' = results for analyte should be considered estimated because a large discrepency was observed in laboratory duplicate analysis.

Qualifier UJ = the actual detection limits for the compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE

Sample Location	VW01-035			VW02-035			VW03-035			VW04-023			VW04-023			VW05-029			VW06-034			VW08-035			VW10-035		
Sample Number	WDI-VW01-35-06			WDI-VW02-35-06			WDI-VW03-35-06			WDI-VW04-23-06			WDI-VW04-23-06			WDI-VW05-29-06			WDI-VW06-34-06			WDI-VW08-35-06			WDI-VW10-35-06		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth	35			35			35			23			23			29			34			35			35		
Sample Date	4/15/99			4/22/99			4/15/99			4/15/99			4/15/99			4/22/99			4/22/99			4/19/99			4/14/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900777-006			P9900832-006			P9900777-007			P9900777-008			P9900777-008DUP			P9900832-007			P9900832-005			P9900795-019			P9900745-022		
Analysis Date	4/27/99			4/30/99			4/27/99			4/27/99			4/27/99			4/30/99			4/30/99			4/28/99			4/26/99		
	Result	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*
Lab Methane (ppmv)	0.50	U	0.50	**1,710**		1,000	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	**7,720**		1,000	0.50	U	0.50	**1.2**		0.50	**0.97**		0.50
Total Nonmethane (ppmv)	**63**		1.0	**11**		1.0	**18**		1.0	**2,200**		1.0	**2,300**		1.0	**13**		1.0	**12**		1.0	**19**		1.0	**22**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	180	U	180				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	150	U	150				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	180	U	180				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	250	U	250				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**76**		0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	250	U	250				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	130	U	130				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	170	U	170				0.67	U	0.67	**1.3**		0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	250	U	250				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	220	U	220				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	170	U	170				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	170	U	170				0.67	U	0.67	**3.8**		0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	**240**		1.4	3.4	U	3.4	340	U	340				**7.3**		1.4	**290**		1.4	1.4	U	1.4	**1.4**		1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	240	U	240				0.98	U	0.98	**9.0**		0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	**22**		0.98	2.4	U	2.4	240	U	240				0.98	U	0.98	**110**		0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**5.3**		1.7	**120**		1.7	4.2	U	4.2	420	U	420				**33**		1.7	**320**		1.7	**3.9**		1.7	**7.4**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	3.1	U	3.1	**270**	J	310				1.3	U	1.3	**1.1**	J	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	150	U	150				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	97	U	97				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	260	U	260				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**1.8**		1.3	**51**		1.3	3.2	U	3.2	320	U	320				1.3	U	1.3	**1.9**		1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	160	U	160				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	220	U	220				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	380	U	380				1.5	U	1.5	**1.3**	J	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	2.0	U	2.0	200	U	200				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	4.8	U	4.8	480	U	480				1.9	U	1.9	**1.8**	J	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	250	U	250				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**30**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	220	U	220				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	120	U	120				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	**1.1**		0.92	2.3	U	2.3	230	U	230				0.92	U	0.92	**13**		0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	**2.9**		0.92	2.3	U	2.3	230	U	230				0.92	U	0.92	**32**		0.92	**0.61**	J	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	280	U	280				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.2**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	2.9	U	2.9	290	U	290				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	**1.0**		0.92	2.3	U	2.3	230	U	230				0.92	U	0.92	**15**		0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	230	U	230				0.94	U	0.94	**14**		0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**7.2**		0.59	**0.97**		0.59	**65**		1.5	150	U	150				**9.7**		0.59	**0.81**		0.59	**2.8**		0.59	**4.4**		0.59
Toluene	1.1	U	1.1	**3.3**		1.1	2.7	U	2.7	270	U	270				1.1	U	1.1	**14**		1.1	**1.4**		1.1	**1.1**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	250	U	250				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	220	U	220				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	**1.8**	J	1.9	190	U	190				0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**0.52**	J	0.74
Trichlorofluoromethane	**0.66**	J	0.71	0.71	U	0.71	1.8	U	1.8	180	U	180				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	**0.40**	J	0.52	0.52	U	0.52	1.3	U	1.3	130	U	130				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	**12**		1.1	2.8	U	2.8	280	U	280				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	3.9	U	3.9	390	U	390				**11**		1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW10-035			VW11-035			VW12-034			VW13-031			VW14-035			VW16-034			VW17-035			VWFD17-035			VW17-035		
Sample Number	WDI-VW10-35-06			WDI-VW11-35-06			WDI-VW12-34-06			WDI-VW13-31-06			WDI-VW14-35-06			WDI-VW16-34-06			WDI-VW17-35-06			WDI-VWFD17-35-06			WDI-VW17-35-06		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG			DUP		
Sample Depth	35			35			34			31			35			34			35						35		
Sample Date	4/14/99			4/13/99			4/13/99			4/22/99			4/21/99			4/14/99			4/13/99			4/13/99			4/13/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900745-022DUP			P9900745-010			P9900745-001			P9900832-011			P9900819-016			P9900745-021			P9900745-011			P9900745-012			P9900745-011DUP		
Analysis Date	4/26/99			4/26/99			4/26/99			4/30/99			4/29/99			4/26/99			4/26/99			4/26/99			5/15-16/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**1.0**		0.50	**620**		0.50	**0.69**		0.50	***14,200***		1,000	**6,460**		1,000	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50			
Total Nonmethane (ppmv)	**22**		1.0	**28**		1.0	**8.4**		1.0	**75**		1.0	**33**		1.0	**11**		1.0	**12**		1.0	**11**		1.0			
Parameter (TO-15 analytes)	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL
1,1,1-Trichloroethane	0.73	U	0.73	**5.1**		0.73	0.73	U	0.73	7.3	U	7.3	***0.59***	J	0.73	**5.1**		0.73	***110***		0.73	***110***		0.73	***110***		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	5.8	U	5.8	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	7.3	U	7.3	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	**72**		0.99	**2.3**		0.99	0.99	U	0.99	9.9	U	9.9	**95**		0.99	**1.8**		0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**17**		10	1.0	U	1.0	**12**		1.0	**11**		1.0	**11**		1.0	**11**		1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	5.2	U	5.2	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	6.7	U	6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	9.9	U	9.9	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	8.7	U	8.7	**120**		0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	6.7	U	6.7	**0.93**		0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	6.7	U	6.7	**0.72**		0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**1.4**		1.4	**1.5**		1.4	**0.88**	J	1.4	14	U	14	1.4	U	1.4	**2.1**		1.4	**1.1**	J	1.4	**2.4**		1.4	**1.0**	J	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	9.8	U	9.8	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	9.8	U	9.8	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**7.0**		1.7	**9.8**		1.7	**6.0**		1.7	17	U	17	1.7	U	1.7	**11**		1.7	**3.6**	J^1	1.7	**5.7**	J^1	1.7	**3.6**		1.7
Benzene	1.3	U	1.3	**1.1**	J	1.3	1.3	U	1.3	13	U	13	**19**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	6.0	U	6.0	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	3.9	U	3.9	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	10	U	10	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	**3.0**		1.3	1.3	U	1.3	13	U	13	**1.1**	J	1.3	**2.2**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	6.4	U	6.4	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	8.7	U	8.7	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	15	U	15	**7.0**		1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	**1.9**		0.82	8.2	U	8.2	**1.0**		0.82	**1.9**		0.82	**0.59**	J	0.82	**0.57**	J	0.82	**0.56**	J	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	19	U	19	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**29**		1.0	1.0	U	1.0	1.0	U	1.0	**84**		10	**14**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	8.8	U	8.8	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	4.7	U	4.7	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	9.2	U	9.2	**15**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	9.2	U	9.2	**7.3**		0.92	**0.64**	J	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	**1.1**	J	1.1	1.1	U	1.1	1.1	U	1.1	11	U	11	1.1	U	1.1	**0.85**	J	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	9.2	U	9.2	**53**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	9.4	U	9.4	0.94	U	0.94	0.94	U	0.94	0.94	J^1	0.94	**2.3**	J^1	0.94	0.94	U	0.94
Tetrachloroethene	**4.2**		0.59	**8.6**		0.59	**29**		0.59	5.9	U	5.9	**64**		0.59	**3.2**		0.59	**19**		0.59	**19**		0.59	**19**		0.59
Toluene	**1.1**		1.1	1.1	U	1.1	**0.82**	J	1.1	11	U	11	**1.6**		1.1	**2.1**		1.1	**0.71**	J^1	1.1	**1.8**	J^1	1.1	**0.71**	J	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**11**		10	**1.4**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	8.8	U	8.8	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**0.50**	J	0.74	**0.93**		0.74	**0.68**	J	0.74	**44**		7.4	**9.7**		0.74	**140**		0.74	**16**		0.74	**16**		0.74	**16**		0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	**0.45**	J	0.71	7.1	U	7.1	0.71	U	0.71	**1.9**		0.71	**1.3**		0.71	**1.3**		0.71	**1.3**		0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	5.2	U	5.2	0.52	U	0.52	**0.44**	J	0.52	**0.42**	J	0.52	**0.41**	J	0.52	**0.40**	J	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	11	U	11	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	***40***		16	**37**		1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW18-036			VW20-035			VW21-036			VW21-036			VW22-035			VW23-036			VW24-035			VW24-035			VW25-035		
Sample Number	WDI-VW18-36-06			WDI-VW20-35-06			WDI-VW21-36-06			WDI-VW21-36-06			WDI-VW22-35-06			WDI-VW23-36-06			WDI-VW24-35-06			WDI-VW24-35-06			WDI-VW25-35-06		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			DUP			REG		
Sample Depth	*36*			*35*			*36*			*36*			*35*			*36*			*35*			*35*			*35*		
Sample Date	4/13/99			4/16/99			4/16/99			4/16/99			4/19/99			4/16/99			4/23/99			4/23/99			4/23/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900745-006			P9900777-018			P9900785-001			P9900785-001DUP			P9900795-008			P9900785-008			P9900841-010			P9900841-010DUP			P9900841-001		
Analysis Date	4/26/99			4/27/99			4/28/99			5/19-20/99			4/28/99			4/28/99			4/30/99			4/30/99			4/30/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**1.8**		0.50	0.50	U	0.50	**1.5**		0.50				0.50	U	0.50	**1,570**		1,000	0.50	U	0.50	0.50	U	0.50	**119,000**		1,000
Total Nonmethane (ppmv)	**7.6**		1.0	**14**		1.0	**32**		1.0				**18**		1.0	**33**		1.0	**13**		1.0	**12**		1.0	**1,800**		9.4
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**13**		1.8	0.73	U	0.73	**1.0**		0.73	**1.1**		0.73	**8.0**		0.73	**1.3**		0.73	0.73	U	0.73				37	U	37
1,1,2,2-Tetrachloroethane	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				29	U	29
1,1,2-Trichloroethane	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				37	U	37
1,1-Dichloroethane	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**2.9**		0.99	**15**		0.99	0.99	U	0.99				49	U	49
1,1-Dichloroethene	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**25**		1.0	1.0	U	1.0				50	U	50
1,2-Dibromoethane	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				26	U	26
1,2-Dichlorobenzene	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				33	U	33
1,2-Dichloroethane	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				49	U	49
1,2-Dichloropropane	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				43	U	43
1,3-Dichlorobenzene	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				33	U	33
1,4-Dichlorobenzene	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				33	U	33
2-Butanone	3.4	U	3.4	**1.1**	J	1.4	**2.8**		1.4	**2.9**		1.4	1.4	U	1.4	1.4	U	1.4	**0.87**	U[1]	1.4				68	U	68
2-Hexanone	2.4	U	2.4	0.98	U	0.98	**1.1**		0.98	**1.1**		0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				49	U	49
4-Methyl-2-Pentanone	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				49	U	49
Acetone	4.2	U	4.2	**7.2**		1.7	**15**		1.7	**15**		1.7	1.7	U	1.7	1.7	U	1.7	**6.7**	U[1]	1.7				84	U	84
Benzene	3.1	U	3.1	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**0.92**	J	1.3	1.3	U	1.3				63	U	63
Bromodichloromethane	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				30	U	30
Bromoform	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				19	U	19
Bromomethane	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**0.98**	J	1.0	1.0	U	1.0				52	U	52
Carbon Disulfide	3.2	U	3.2	1.3	U	1.3	**9.7**		1.3	**9.6**		1.3	**2.1**		1.3	**1.8**		1.3	**2.3**		1.3				64	U	64
Carbon Tetrachloride	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				32	U	32
Chlorobenzene	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				43	U	43
Chloroethane	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				76	U	76
Chloroform	2.0	U	2.0	0.82	U	0.82	**1.3**		0.82	**1.3**		0.82	**8.9**		0.82	**1.3**		0.82	0.82	U	0.82				41	U	41
Chloromethane	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	**3.1**		1.9	1.9	U	1.9				97	U	97
cis-1,2-Dichloroethene	2.5	U	2.5	1.0	U	1.0	**0.78**	J	1.0	**0.74**	J	1.0	**3.2**		1.0	**120**		1.0	1.0	U	1.0				**58**		50
cis-1,3-Dichloropropane	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				44	U	44
Dibromochloromethane	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				23	U	23
Ethylbenzene	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				**110**		46
m- &p-Xylene	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.69	J	0.92	**0.62**	J	0.92	0.92	U	0.92				46	U	46
Methyl tert-Butyl Ether	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.9**		1.1	1.1	U	1.1	**1.9**		1.1				55	U	55
Methylene Chloride	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				58	U	58
o-Xylene	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				46	U	46
Styrene	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	**1.0**		0.94	0.94	U	0.94				47	U	47
Tetrachloroethene	**6.2**		1.5	**94**		0.59	**15**		0.59	**16**		0.59	**140**		0.59	**55**		0.59	**8.0**		0.59				30	U	30
Toluene	2.7	U	2.7	**0.85**	J	1.1	1.1	U	1.1	1.1	U	1.1	**1.2**		1.1	1.1	U	1.1	**0.75**	J	1.1				53	U	53
trans-1,2-Dichloroethene	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**27**		1.0	1.0	U	1.0				50	U	50
trans-1,3-Dichloropropene	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				44	U	44
Trichloroethene	1.9	U	1.9	**3.9**		0.74	**250**		0.74	**250**		0.74	***1,700***		0.74	***780***		0.74	**17**		0.74				37	U	37
Trichlorofluoromethane	1.8	U	1.8	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.60**	J	0.71	0.71	U	0.71	**0.53**	J	0.71				36	U	36
Trichlorotrifluoroethane	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**0.50**	J	0.52	**0.55**		0.52	**0.39**	J	0.52				26	U	26
Vinyl Acetate	2.8	U	2.8	**0.82**	J	1.1	**1.7**		1.1	**1.5**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				57	U	57
Vinyl Chloride	3.9	U	3.9	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	***18***		1.6	1.6	U	1.6				78	U	78

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW25-035			VWFD25-035			VW26-035			VW27-06			VW27-019			VW27-033			VW28-010			VW28-025			VW29-010		
Sample Number	WDI-VW25-35-06			WDI-VWFD-25-35-06			WDI-VW26-35-06			WDI-VW27-06-06			WDI-VW27-19-06			WDI-VW27-33-06			WDI-VW28-10-06			WDI-VW28-25-06			WDI-VW29-10-06		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	35			35			35			6			19			33			10			25			10		
Sample Date	4/23/99			4/23/99			4/23/99			4/21/99			4/21/99			4/21/99			4/22/99			4/22/99			4/21/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900841-001DUP			P9900841-002			P9900841-009			P9900819-027			P9900819-028			P9900819-029			P9900819-001			P9900819-002			P9900819-020		
Analysis Date	4/30/99			4/30/99			4/30/99			4/29/99			4/29/99			4/29/99			4/29/99			4/29/99			4/29/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**170,000**		1,000	**115,000**		1,000	0.50	U	0.50	**1.0**		0.50	0.50	U	0.50	**2.3**		0.50	**1.9**		0.50	**0.87**		0.50	**0.81**		0.50
Total Nonmethane (ppmv)	**1,900**		9.4	**2,200**		9.4	**9.4**		1.0	**5.7**		1.0	**18**		1.0	**11**		1.0	**23**		1.0	**17**		1.0	**2.6**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				37	U	37	**0.80**		0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**0.48**	J	0.73	**0.73**		0.73
1,1,2,2-Tetrachloroethane				29	U	29	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				37	U	37	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				49	U	49	**4.5**		0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene				50	U	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane				26	U	26	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				33	U	33	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				49	U	49	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				43	U	43	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				33	U	33	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				33	U	33	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone				68	U	68	1.4	U	1.4	**0.91**	J	1.4	**1.2**	J	1.4	**2.8**		1.4	**4.3**		1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone				49	U	49	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**0.62**	J	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				49	U	49	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone				84	U	84	1.7	U	1.7	**5.8**	U[1]	1.7	**6.4**	U[1]	1.7	**13**	U[1]	1.7	**10**	U[1]	1.7	**5.9**	U[1]	1.7	**12**	U[1]	1.7
Benzene				63	U	63	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane				30	U	30	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform				19	U	19	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane				52	U	52	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				64	U	64	1.3	U	1.3	**2.5**		1.3	1.3	U	1.3	1.3	U	1.3	**4.3**		1.3	**4.3**		1.3	**5.7**		1.3
Carbon Tetrachloride				32	U	32	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene				43	U	43	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane				76	U	76	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform				41	U	41	**1.1**		0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**0.97**		0.82	0.82	U	0.82
Chloromethane				97	U	97	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				**59**		50	**370**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane				44	U	44	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				23	U	23	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene				**120**		46	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene				46	U	46	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**0.59**	J	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether				55	U	55	1.1	U	1.1	**1.6**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**0.91**	J	1.1
Methylene Chloride				58	U	58	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene				46	U	46	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene				47	U	47	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene				30	U	30	**21**		0.59	**0.74**		0.59	**0.98**		0.59	0.59	U	0.59	**6.4**		0.59	**20**		0.59	**1.5**		0.59
Toluene				53	U	53	1.1	U	1.1	**0.84**	J	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**0.88**	J	1.1
trans-1,2-Dichloroethene				50	U	50	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene				44	U	44	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene				37	U	37	**26**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane				36	U	36	**1.2**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.49**	J	0.71	**0.68**	J	0.71	0.71	U	0.71
Trichlorotrifluoroethane				26	U	26	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**7.8**		0.52	**16**		0.52	**1.8**		0.52
Vinyl Acetate				57	U	57	1.1	U	1.1	**1.6**		1.1	**0.99**	J	1.1	**1.9**		1.1	1.1	U	1.1	**0.99**	J	1.1	**1.2**		1.1
Vinyl Chloride				78	U	78	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW29-023			VW29-035			VWFD29-035			VW29-035			VW30-07			VW30-023			VW30-035			VW31-010			VW31-010		
Sample Number	WDI-VW29-23-06			WDI-VW29-35-06			WDI-VWFD29-35-06			WDI-VW29-35-06			WDI-VW30-07-06			WDI-VW30-23-06			WDI-VW30-35-06			WDI-VW31-10-06			WDI-VW31-10-06		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			REG			DUP		
Sample Depth	23			35			35			35			7			23						10			10		
Sample Date	4/21/99			4/21/99			4/21/99			4/21/99			4/22/99			4/22/99			4/22/99			4/13/99			4/13/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900819-021			P9900819-022			P9900819-023			P9900819-022DUP			P9900819-013			P9900819-014			P9900819-015			P9900745-002			P9900745-002DUP		
Analysis Date	4/29/99			4/29/99			4/29/99			4/29/99			4/29/99			4/29/99			4/29/99			4/26/99			5/15/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**0.62**		0.50	**0.59**		0.50	**0.64**		0.50	**11**		0.50	**19**		0.50	**84**		0.50	0.50	U	0.50			
Total Nonmethane (ppmv)	**7.4**		1.0	**13**		1.0	**13**		1.0	**14**		1.0	**13**		1.0	**19**		1.0	**19**		1.0	**4.7**		1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				***16***		0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4				**1.2**	J	1.4	1.4	U	1.4	1.4	U	1.4	**0.89**	J	1.4	**0.89**	J	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**5.9**	U^1	1.7	**4.8**	U^1	1.7	**5.6**	U^1	1.7				**5.6**	U^1	1.7	1.7	U	1.7	1.7	U	1.7	**4.8**		1.7	**5.0**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**8.5**		1.3	**2.7**	J^1	1.3	**1.3**	J^1	1.3				**1.5**		1.3	**9.4**		1.3	**3.2**		1.3	**1.6**		1.3	**1.7**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	**5.2**		0.82	**5.2**		0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	**9.0**		1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	**1.5**		0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**6.5**		0.59	**15**		0.59	**15**		0.59				**1.6**		0.59	**190**		0.59	**210**		0.59	**9.9**		0.59	**9.7**		0.59
Toluene	1.1	U	1.1	1.1	U	1.1	**1.7**		1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	**0.63**	J	0.74	**0.69**	J	0.74				0.74	U	0.74	**4.8**		0.74	**7.1**		0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.73**		0.71	**1.1**		0.71	**1.1**		0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.65**	J	0.71	**0.67**	J	0.71
Trichlorotrifluoroethane	**7.3**		0.52	**14**		0.52	**14**		0.52				0.52	U	0.52	**2.4**		0.52	**2.5**		0.52	**0.35**	J	0.52	**0.37**	J	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW31-030			VW32-08			VW32-08			VW32-018			VW32-035			VW33-010			VW33-010			VW33-035			VW34-010		
Sample Number	WDI-VW31-30-06			WDI-VW32-08-06			WDI-VW32-08-06			WDI-VW32-18-06			WDI-VW32-35-06			WDI-VW33-10-06			WDI-VW33-10-06			WDI-VW33-35-06			WDI-VW34-10-06		
Sample Type	REG			REG			DUP			REG			REG			REG			DUP			REG			REG		
Sample Depth	30			8			8			18			35			10			10			35			10		
Sample Date	4/13/99			4/23/99			4/23/99			4/23/99			4/23/99			4/19/99			4/19/99			4/19/99			4/14/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900745-003			P9900841-003			P9900841-003DUP			P9900841-004			P9900841-005			P9900795-002			P9900795-002DUP			P9900795-003			P9900762-012		
Analysis Date	4/26/99			4/30/99			5/24/99			4/30/99			4/30/99			4/28/99			5/20/99			4/28/99			4/26/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**1.0**		0.50				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50				**1.4**		0.50	**0.68**		0.50
Total Nonmethane (ppmv)	**13**		1.0	**11**		1.0				**8.2**		1.0	**12**		1.0	**8.9**		1.0				**16**		1.0	**10**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	**1.4**		0.73	**1.4**		0.73	**4.8**		0.73	**6.7**		0.73	**7.4**		0.73	**7.4**		0.73	**3.3**		0.73	**3.0**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**1.6**	U^1	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**3.9**		1.7	**9.2**	U^1	1.7	**9.2**	U^1	1.7	**7.9**	U^1	1.7	**4.0**	U^1	1.7	**7.3**		1.7	**7.1**		1.7	**9.1**		1.7	**2.7**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**1.4**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**5.8**		1.3	**2.8**		1.3	**2.8**		1.3	**6.1**		1.3	**3.6**		1.3	**1.3**		1.3	**1.3**		1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**1.3**		0.82	0.82	U	0.82	0.82	U	0.82	**4.8**		0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	**2.0**		1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**1.8**		1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	**0.64**	J	0.92	**0.64**	J	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	**1.3**		1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**35**		0.59	**0.36**	J	0.59	**0.37**	J	0.59	**0.86**		0.59	**2.0**		0.59	**0.78**		0.59	**0.78**		0.59	**15**		0.59	**1.6**		0.59
Toluene	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**4.8**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**1.2**		0.74	0.74	U	0.74	0.74	U	0.74	**260**		0.74	0.74	U	0.74
Trichlorofluoromethane	**1.0**		0.71	**0.61**	J	0.71	**0.57**	J	0.71	**0.80**		0.71	**1.0**		0.71	0.71	U	0.71	0.71	U	0.71	**0.46**	J	0.71	0.71	U	0.71
Trichlorotrifluoroethane	**1.0**		0.52	**0.53**		0.52	**0.55**		0.52	**0.90**		0.52	**1.3**		0.52	0.52	U	0.52	0.52	U	0.52	**0.80**		0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.3**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW34-010			VW34-024			VWFD34-024			VW34-040			VW34-040			VW35-010			VW35-028			VW36-010			VW36-030		
Sample Number	WDI-VW34-10-06			WDI-VW34-24-06			WDI-VWFD34-24-06			WDI-VW34-40-06			WDI-VW34-40-06			WDI-VW35-10-06			WDI-VW35-28-06			WDI-VW36-10-06			WDI-VW36-30-06		
Sample Type	DUP			REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth				24						40						10			28			10			30		
Sample Date	4/14/99			4/14/99			4/14/99			4/14/99			4/14/99			4/13/99			4/13/99			4/15/99			4/15/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900762-012DUP			P9900762-013			P9900762-014			P9900762-015			P9900762-015DUP			P9900745-004			P9900745-005			P9900777-001			P9900777-002		
Analysis Date	5/17/99			4/26/99			4/26/99			4/26/99			4/26/99			4/26/99			4/26/99			4/27/99			4/27/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				0.50	U	0.50	0.50	U	0.50	**0.85**		0.50	**0.87**		0.50	0.50	U	0.50	**4.6**		0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)				**18**		1.0	**18**		1.0	**22**		1.0	**21**		1.0	**4.8**		1.0	**12**		1.0	**17**		1.0	**32**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**2.9**		0.73	**0.71**	J	0.73	**0.70**	J	0.73	0.73	U	0.73				**6.2**		0.73	**3.9**		3.7	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	2.9	U	2.9	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	3.7	U	3.7	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	4.9	U	4.9	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	5.0	U	5.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	2.6	U	2.6	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	3.3	U	3.3	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	4.9	U	4.9	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	4.3	U	4.3	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	3.3	U	3.3	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	3.3	U	3.3	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	**1.4**		1.4	**0.91**	J	1.4				**0.98**	J	1.4	6.8	U	6.8	**1.2**	J	1.4	**0.96**	J	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	4.9	U	4.9	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	**0.79**	J	0.98	0.98	U	0.98				0.98	U	0.98	4.9	U	4.9	0.98	U	0.98	0.98	U	0.98
Acetone	**2.8**		1.7	**4.5**	J^1	1.7	**12**	J^1	1.7	**8.6**		1.7				**6.3**		1.7	8.4	U	8.4	**7.7**		1.7	**9.1**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	6.3	U	6.3	**0.88**	J	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	3.0	U	3.0	0.60	U	0.60	**0.59**	J	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	1.9	U	1.9	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	5.2	U	5.2	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	**12**	J^1	1.3	1.3	J^1	1.3	**3.5**		1.3				**2.5**		1.3	**16**		6.4	**3.0**		1.3	**1.1**	J	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	3.2	U	3.2	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	4.3	U	4.3	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	7.6	U	7.6	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	**1.6**		0.82	**1.6**		0.82	**2.3**		0.82				0.82	U	0.82	**29**		4.1	0.82	U	0.82	**1.1**		0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	9.7	U	9.7	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	5.0	U	5.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	4.4	U	4.4	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	2.3	U	2.3	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	4.6	U	4.6	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	**1.2**		0.92	0.92	U	0.92				**2.2**		0.92	4.6	U	4.6	**1.4**		0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	5.5	U	5.5	**3.0**		1.1	**4.5**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				**0.77**	J	1.2	5.8	U	5.8	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				**0.69**	J	0.92	4.6	U	4.6	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	4.7	U	4.7	0.94	U	0.94	**0.79**	J	0.94
Tetrachloroethene	**1.5**		0.59	**7.1**		0.59	**7.3**		0.59	**7.9**		0.59				**8.2**		0.59	**58**		3.0	**0.79**		0.59	**3.1**		0.59
Toluene	1.1	U	1.1	1.1	J^1	1.1	**3.6**	J^1	1.1	1.1	U	1.1				**2.3**		1.1	5.3	U	5.3	**3.1**		1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	5.0	U	5.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	4.4	U	4.4	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**3.7**		0.74				**41**		0.74	***1,200***		3.7	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71				**0.69**	J	0.71	3.6	U	3.6	0.71	U	0.71	**0.57**	J	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				**0.34**	J	0.52	2.6	U	2.6	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	**1.0**	J	1.1	1.1	U	1.1				1.1	U	1.1	5.7	U	5.7	1.1	U	1.1	**0.87**	J	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	7.8	U	7.8	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = *detection of analyte; Shaded area with* ***bold number*** = *detected analyte which exceeded soil gas threshold limits;* ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW37-010			VW37-010			VWFD37-010			VW37-030			VW38-010			VW38-034			VW39-07			VW39-030			VW40-010		
Sample Number	WDI-VW37-10-06			WDI-VW37-10-06			WDI-VWFD37-10-06			WDI-VW37-30-06			WDI-VW38-10-06			WDI-VW38-34-06			WDI-VW39-07-06			WDI-VW39-30-06			WDI-VW40-10-06		
Sample Type	REG			DUP			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	10			10			10			30			10			34			7			30			10		
Sample Date	4/14/99			4/14/99			4/14/99			4/14/99			4/14/99			4/14/99			4/14/99			4/14/99			4/14/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900762-001			P9900762-001DUP			P9900762-002			P9900762-003			P9900745-017			P9900745-018			P9900745-019			P9900745-020			P9900762-004		
Analysis Date	4/26/99			5/17/99			4/26/99			4/26/99			4/26/99			4/26/99			4/26/99			4/26/99			4/26/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				**1.5**		0.50	**1.3**		0.50	0.50	U	0.50	**67**		0.50	0.50	U	0.50	0.50	U	0.50	**5,700**		0.50
Total Nonmethane (ppmv)	**20**		1.0				**5.5**		1.0	**3.0**		1.0	**8.5**		1.0	**27**		1.0	**17**		1.0	**22**		1.0	**21**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	J^1	0.73	0.73	J^1	0.73	**14**	J^1	0.73	**14**		0.73	**2.5**		0.73	0.73	U	0.73	**3.5**		0.73	**2.7**		0.73	**4.6**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	**5.7**		0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	J^1	1.4	1.4	J^1	1.4	**4.7**	J^1	1.4	**2.6**		1.4	**1.7**		1.4	1.4	U	1.4	**1.7**		1.4	**1.6**		1.4	**4.4**		1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**9.8**	J^1	1.7	**10**	J^1	1.7	**16**	J^1	1.7	**14**		1.7	**13**		1.7	**5.1**		1.7	**5.8**		1.7	**11**		1.7	**9.0**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**1.4**		1.3	**1.3**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**11**		1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**16**	J^1	1.3	**17**	J^1	1.3	**2.0**	J^1	1.3	**2.4**		1.3	**6.9**		1.3	**2.7**		1.3	**4.0**		1.3	**2.5**		1.3	**11**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	**2.5**		1.9	**2.6**		1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	**0.69**	J	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.92	J^1	0.92	0.92	J^1	0.92	**2.5**	J^1	0.92	**1.4**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**0.68**	J	0.92	**1.5**		0.92
Methyl tert-Butyl Ether	1.1	J^1	1.1	1.1	J^1	1.1	**2.7**	J^1	1.1	**2.7**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.3**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	**0.97**	J	1.2	**0.92**	J	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	**1.3**		1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	**1.1**		0.92	0.92	U	0.92	0.92	U	0.92	**2.1**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**2.5**	J^1	0.59	**2.4**	J^1	0.59	**0.73**	J^1	0.59	**0.65**		0.59	**0.80**		0.59	**4.5**		0.59	**8.1**		0.59	**11**		0.59	**2.8**		0.59
Toluene	1.1	J^1	1.1	1.1	J^1	1.1	**3.9**	J^1	1.1	**3.0**		1.1	1.1	U	1.1	**0.78**	J	1.1	**1.3**		1.1	1.1	U	1.1	**1.4**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**0.57**	J	0.74	**0.51**	J	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**1.5**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.60**	J	0.71	0.71	U	0.71	**0.91**		0.71	**0.80**		0.71	**1.3**		0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	**2.0**		1.1	**2.0**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW40-025			VW41-08			VW41-08			VW41-020			VWFD41-020			VW42-010			VW42-030			VWFD-042			VWFD42-030		
Sample Number	WDI-VW40-25-06			WDI-VW41-08-06			WDI-VW41-08-06			WDI-VW41-20-06			WDI-VWFD-41-20-06			WDI-VW42-10-06			WDI-VW42-30-06			WDI-VWFD-42-30-06			WDI-VWFD-42-30-06		
Sample Type	REG			REG			DUP			REG			REG			REG			REG			DUP			DUP		
Sample Depth	25			8			8			20			20			10			30			42			42		
Sample Date	4/14/99			4/16/99			4/16/99			4/16/99			4/16/99			4/22/99			4/22/99			4/22/99			4/22/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900762-005			P9900777-009			P9900777-009DUP			P9900777-010			P9900777-011			P9900819-003			P9900819-004			P9900819-005			P9900819-005DUP		
Analysis Date	4/26/99			4/27/99			5/18/99			4/27/99			4/27/99			4/29/99			4/29/99			4/29/99			4/29/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50				0.50	U	0.50	0.50	U	0.50	**0.91**		0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	1.0	U	1.0	**9.7**		1.0				**8.6**		1.0	**8.7**		1.0	**8.2**		1.0	**17**		1.0	**17**		1.0	**16**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**1.5**		0.73	**7.8**		0.73	**7.7**		0.73	**9.6**		0.73	**10**		0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73			
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58			
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73			
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99			
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52			
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67			
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99			
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87			
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67			
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67			
2-Butanone	**1.2**	J	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**1.9**		1.4	**3.0**		1.4	1.4	J[1]	1.4	**4.1**	J[1]	1.4			
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98			
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98			
Acetone	**5.1**		1.7	**4.3**		1.7	**4.5**		1.7	**5.1**		1.7	**15**		1.7	**7.9**	U[1]	1.7	**6.5**	U[1]	1.7	**8.3**	U[1]	1.7			
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1,3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3			
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60			
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39			
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
Carbon Disulfide	**1.6**		1.3	**1.1**	J	1.3	**1.1**	J	1.3	**2.1**		1.3	**1.1**	J	1.3	**3.4**		1.3	**1.8**		1.3	1.3	U	1.3			
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64			
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87			
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5			
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82			
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9			
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88			
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47			
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92			
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92			
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1			
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2			
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92			
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94			
Tetrachloroethene	**120**		0.59	**25**		0.59	**25**		0.59	**16**		0.59	**17**		0.59	**4.7**		0.59	**8.7**		0.59	**8.7**		0.59			
Toluene	**1.2**		1.1	**0.67**	J	1.1	**0.68**	J	1.1	1.1	U	1.1	1.1	U	1.1	**0.67**	J	1.1	1.1	U	1.1	1.1	U	1.1			
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88			
Trichloroethene	**2.7**		0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**0.80**		0.74	0.74	U	0.74	0.74	U	0.74			
Trichlorofluoromethane	**5.0**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71			
Trichlorotrifluoroethane	**1.7**		0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**0.82**		0.52	**0.78**		0.52			
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**16**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1			
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW43-09			VW43-019			VW43-032			VW44-07			VW44-07			VW44-016			VW44-030			VW45-013			VWFD45-013		
Sample Number	WDI-VW43-09-06			WDI-VW43-19-06			WDI-VW43-32-06			WDI-VW44-07-06			WDI-VW44-07-06			WDI-VW44-16-06			WDI-VW44-30-06			WDI-VW45-13-06			WDI-VWFD-45-13-06		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth	9			19			32			7			7			16			30			13			13		
Sample Date	4/21/99			4/21/99			4/21/99			4/14/99			4/14/99			4/14/99			4/14/99			4/19/99			4/19/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900819-024			P9900819-025			P9900819-026			P9900745-014			P9900745-014DUP			P9900745-015			P9900745-016			P9900795-015			P9900795-018		
Analysis Date	4/29/99			4/29/99			4/29/99			4/26/99			4/26/99			4/26/99			4/26/99			4/28/99			4/28/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**240**		0.50	**21,500**		1,000	**15,600**		1,000	**710**		0.50	**710**		0.50	**2.3**		0.50	**1.6**		0.50	**179,000**		1,000	**179,000**		1,000
Total Nonmethane (ppmv)	**14**		1.0	**170**		1.0	**110**		1.0	**21**		1.0	**22**		1.0	**7.9**		1.0	**42**		1.0	**39,000**		9.4	**41,000**		9.4
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	9.2	U	9.2	0.73	U	0.73	0.73	U	0.73				**57**		0.73	**460**		0.73	370	U	370	370	U	370
1,1,2,2-Tetrachloroethane	0.58	U	0.58	7.3	U	7.3	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	290	U	290	290	U	290
1,1,2-Trichloroethane	0.73	U	0.73	9.2	U	9.2	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	370	U	370	370	U	370
1,1-Dichloroethane	0.99	U	0.99	12	U	12	**2.8**		0.99	**0.72**	J	0.99				**3.0**		0.99	**43**		0.99	490	U	490	490	U	490
1,1-Dichloroethene	**1.0**	U	1.0	13	U	13	**1.1**		1.0	1.0	U	1.0				**2.8**		1.0	**5.6**		1.0	500	U	500	500	U	500
1,2-Dibromoethane	0.52	U	0.52	6.5	U	6.5	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	260	U	260	260	U	260
1,2-Dichlorobenzene	0.67	U	0.67	**16**		8.3	**21**		0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	330	U	330	330	U	330
1,2-Dichloroethane	0.99	U	0.99	12	U	12	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	490	U	490	490	U	490
1,2-Dichloropropane	0.87	U	0.87	11	U	11	**0.71**	J	0.87	0.87	U	0.87				0.87	U	0.87	**1.9**		0.87	430	U	430	430	U	430
1,3-Dichlorobenzene	0.67	U	0.67	8.3	U	8.3	**2.8**		0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	330	U	330	330	U	330
1,4-Dichlorobenzene	0.67	U	0.67	**6.5**	J	8.3	**6.4**		0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	330	U	330	330	U	330
2-Butanone	**2.3**		1.4	17	U	17	1.4	U	1.4	**0.92**	J	1.4				**3.4**		1.4	**1.1**	J	1.4	680	U	680	680	U	680
2-Hexanone	0.98	U	0.98	12	U	12	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	490	U	490	490	U	490
4-Methyl-2-Pentanone	0.98	U	0.98	12	U	12	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	490	U	490	490	U	490
Acetone	1.7	U	1.7	21	U	21	1.7	U	1.7	**7.5**		1.7				**37**		1.7	**5.5**		1.7	840	U	840	840	U	840
Benzene	1.3	U	1.3	16	U	16	**12**		1.3	**1.6**		1.3				**2.0**		1.3	1.3	U	1.3	**23,000**		630	**23,000**		630
Bromodichloromethane	0.60	U	0.60	7.5	U	7.5	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	300	U	300	300	U	300
Bromoform	0.39	U	0.39	4.8	U	4.8	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	190	U	190	190	U	190
Bromomethane	1.0	U	1.0	13	U	13	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	520	U	520	520	U	520
Carbon Disulfide	**2.4**		1.3	**13**	J	16	**2.8**		1.3	**2.2**		1.3				**12**		1.3	1.3	U	1.3	640	U	640	640	U	640
Carbon Tetrachloride	0.64	U	0.64	8.0	U	8.0	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	320	U	320	320	U	320
Chlorobenzene	0.87	U	0.87	**17**		11	**12**		0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	430	U	430	430	U	430
Chloroethane	1.5	U	1.5	19	U	19	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	760	U	760	760	U	760
Chloroform	**1.9**		0.82	10	U	10	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	410	U	410	410	U	410
Chloromethane	1.9	U	1.9	24	U	24	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	970	U	970	970	U	970
cis-1,2-Dichloroethene	1.0	U	1.0	**130**		13	**260**		1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	**700**		500	**730**		500
cis-1,3-Dichloropropane	0.88	U	0.88	11	U	11	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	440	U	440	440	U	440
Dibromochloromethane	0.47	U	0.47	5.9	U	5.9	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	230	U	230	230	U	230
Ethylbenzene	0.92	U	0.92	12	U	12	**0.61**	J	0.92	0.92	U	0.92				**0.87**	J	0.92	0.92	U	0.92	**4,900**		460	**5,200**		460
m- &p-Xylene	0.92	U	0.92	12	U	12	**2.0**		0.92	**0.77**	J	0.92				**3.0**		0.92	0.92	U	0.92	**18,000**		460	**19,000**		460
Methyl tert-Butyl Ether	1.1	U	1.1	14	U	14	1.1	U	1.1	**1.3**		1.1				**5.5**		1.1	1.1	U	1.1	550	U	550	550	U	550
Methylene Chloride	1.2	U	1.2	14	U	14	1.2	U	1.2	1.2	U	1.2				**0.99**	J	1.2	1.2	U	1.2	580	U	580	580	U	580
o-Xylene	0.92	U	0.92	12	U	12	0.92	U	0.92	**0.59**	J	0.92				**1.1**		0.92	0.92	U	0.92	**5,600**		460	**5,900**		460
Styrene	0.94	U	0.94	12	U	12	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	470	U	470	470	U	470
Tetrachloroethene	**14**		0.59	7.4	U	7.4	**0.86**		0.59	**1.1**		0.59				**0.49**	J	0.59	**1.9**		0.59	300	U	300	300	U	300
Toluene	**1.1**	U	1.1	13	U	13	**1.6**		1.1	**2.0**		1.1				**5.7**		1.1	1.1	U	1.1	**20,000**		530	**21,000**		530
trans-1,2-Dichloroethene	1.0	U	1.0	13	U	13	**6.4**		1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	**4,300**		500	**4,400**		500
trans-1,3-Dichloropropene	0.88	U	0.88	11	U	11	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	440	U	440	440	U	440
Trichloroethene	**5.5**		0.74	9.3	U	9.3	**1.6**		0.74	0.74	U	0.74				0.74	U	0.74	0.74	U	0.74	370	U	370	370	U	370
Trichlorofluoromethane	0.71	U	0.71	8.9	U	8.9	0.71	U	0.71	0.71	U	0.71				**0.53**	J	0.71	0.71	U	0.71	360	U	360	360	U	360
Trichlorotrifluoroethane	0.52	U	0.52	6.5	U	6.5	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	260	U	260	260	U	260
Vinyl Acetate	1.1	U	1.1	14	U	14	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	570	U	570	570	U	570
Vinyl Chloride	1.6	U	1.6	**670**		20	**440**		1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	**75,000**		780	**80,000**		780

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW45-022			VW45-030			VW46-07			VW46-015			VW46-027			VW46-027			VW47-08			VW47-018			VW47-030		
Sample Number	WDI-VW45-22-06			WDI-VW45-30-06			Not Sampled this quarter			WDI-VW46-15-06			WDI-VW46-27-06			WDI-VW46-27-06			WDI-VW47-08-06			WDI-VW47-18-06			WDI-VW47-30-06		
Sample Type	REG			REG						REG			REG			DUP			REG			REG			REG		
Sample Depth	22			30						15			27						8			18			30		
Sample Date	4/19/99			4/19/99						4/14/99			4/14/99			4/14/99			4/19/99			4/19/99			4/19/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical						Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900795-016			P9900795-017						P9900762-007			P9900762-008			P9900762-008DUP			P9900795-012			P9900795-013			P9900795-014		
Analysis Date	4/28/99			4/28/99						4/26/99			4/26/99			4/26/99			4/28/99			4/28/99			4/28/99		
	Result	Qual	RDL	Result	Qual	RDL				Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**124,000**		1,000	**17,000**		1,000				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	**0.67**		0.50	**3.7**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**30,000**		9.4	**480**		1.0				**18**		1.0	**20**		1.0	**19**		1.0	**3.8**		1.0	**23**		1.0	**23**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL				Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)						(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	370	U	370	18	U	18				**21**		0.73	**3.4**		0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	290	U	290	15	U	15				0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	370	U	370	18	U	18				0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	490	U	490	25	U	25				**0.66**	J	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	500	U	500	25	U	25				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	260	U	260	13	U	13				0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	330	U	330	17	U	17				0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	490	U	490	25	U	25				0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	430	U	430	22	U	22				0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	330	U	330	17	U	17				0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	330	U	330	17	U	17				0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	680	U	680	34	U	34				**1.3**	J	1.4	**1.7**		1.4				**2.6**		1.4	**2.7**		1.4	1.4	U	1.4
2-Hexanone	490	U	490	24	U	24				0.98	U	0.98	0.98	U	0.98				**1.5**		0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	490	U	490	24	U	24				0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	**0.78**	J	0.98
Acetone	840	U	840	42	U	42				**10**		1.7	**12**		1.7				**8.6**		1.7	**16**		1.7	**3.1**		1.7
Benzene	**7,300**		630	**33**		31				1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	**0.84**	J	1.3	1.3	U	1.3
Bromodichloromethane	300	U	300	15	U	15				0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	190	U	190	9.7	U	9.7				0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	520	U	520	26	U	26				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	640	U	640	32	U	32				1.3	U	1.3	**1.8**		1.3				**12**		1.3	**4.1**		1.3	**0.99**	J	1.3
Carbon Tetrachloride	320	U	320	16	U	16				0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	430	U	430	22	U	22				0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	760	U	760	38	U	38				1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	410	U	410	20	U	20				**0.53**	J	0.82	**0.88**		0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	970	U	970	48	U	48				1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	**1.5**	J	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**580**		500	25	U	25				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	440	U	440	22	U	22				0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	230	U	230	12	U	12				0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**5,400**		460	23	U	23				0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	**0.91**	J	0.92	0.92	U	0.92
m- &p-Xylene	**13,000**		460	23	U	23				0.92	U	0.92	0.92	U	0.92				**1.4**		0.92	**2.9**		0.92	0.92	U	0.92
Methyl tert-Butyl Ether	550	U	550	28	U	28				1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	**7.0**		1.1	1.1	U	1.1
Methylene Chloride	580	U	580	29	U	29				1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**7,200**		460	23	U	23				0.92	U	0.92	0.92	U	0.92				**0.80**	J	0.92	**1.5**		0.92	0.92	U	0.92
Styrene	470	U	470	23	U	23				0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	300	U	300	**10**	J	15				**150**		0.59	**190**		0.59				**1.8**		0.59	**7.1**		0.59	**20**		0.59
Toluene	**12,000**		530	27	U	27				1.1	U	1.1	**1.8**		1.1				**1.1**		1.1	**5.1**		1.1	1.1	U	1.1
trans-1,2-Dichloroethene	**2,300**		500	25	U	25				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	440	U	440	22	U	22				0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	370	U	370	19	U	19				**14**		0.74	**23**		0.74				**1.3**		0.74	**1.1**		0.74	**1.3**		0.74
Trichlorofluoromethane	360	U	360	18	U	18				**1.7**		0.71	**2.0**		0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	260	U	260	13	U	13				**1.8**		0.52	**2.7**		0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	570	U	570	28	U	28				1.1	U	1.1	**1.7**		1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	**27,000**		780	**62**		39				1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW47-030			VW48-08			VW48-017			VW48-035			VW49-010			VW49-010			VW49-018			VW49-030			VW49-030		
Sample Number	WDI-VW47-30-06			WDI-VW48-08-06			WDI-VW48-17-06			WDI-VW48-35-06			WDI-VW49-10-06			WDI-VW49-10-06			WDI-VW49-18-06			WDI-VW49-30-06			WDI-VW49-30-06		
Sample Type	DUP			REG			REG			REG			REG			DUP			REG			REG			DUP		
Sample Depth	30			8			17			35			10			10			18			30			30		
Sample Date	4/19/99			4/15/99			4/15/99			4/15/99			4/16/99			4/16/99			4/16/99			4/16/99			4/16/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900795-014DUP			P9900777-003			P9900777-004			P9900777-005			P9900777-015			P9900777-015DUP			P9900777-016			P9900777-017			P9900777-017DUP		
Analysis Date	5/21/99			4/27/99			4/27/99			4/27/99			4/27/99			5/18-19/99			4/27/99			4/27/99			4/27/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				4.7	U	4.7	4.7	U	4.7	0.50	U	0.50	**0.91**		0.50				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)				**2,900**		9.4	**21,000**		9.4	**300**		1.0	**11**		1.0				**14**		1.0	**13**		1.0	**14**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	180	U	180	1,800	U	1,800	18	U	18	**1.1**		0.73	**1.1**		0.73	0.73	U	0.73	0.73	U	0.73			
1,1,2,2-Tetrachloroethane	0.58	U	0.58	150	U	150	1,500	U	1,500	15	U	15	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58			
1,1,2-Trichloroethane	0.73	U	0.73	180	U	180	1,800	U	1,800	18	U	18	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73			
1,1-Dichloroethane	0.99	U	0.99	250	U	250	2,500	U	2,500	25	U	25	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99			
1,1-Dichloroethene	1.0	U	1.0	250	U	250	2,500	U	2,500	25	U	25	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
1,2-Dibromoethane	0.52	U	0.52	130	U	130	1,300	U	1,300	13	U	13	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52			
1,2-Dichlorobenzene	0.67	U	0.67	170	U	170	1,700	U	1,700	17	U	17	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67			
1,2-Dichloroethane	0.99	U	0.99	250	U	250	2,500	U	2,500	25	U	25	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99			
1,2-Dichloropropane	0.87	U	0.87	220	U	220	2,200	U	2,200	22	U	22	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87			
1,3-Dichlorobenzene	0.67	U	0.67	170	U	170	1,700	U	1,700	17	U	17	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67			
1,4-Dichlorobenzene	0.67	U	0.67	170	U	170	1,700	U	1,700	17	U	17	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67			
2-Butanone	1.4	U	1.4	340	U	340	3,400	U	3,400	34	U	34	1.4	U	1.4	1.4	U	1.4	**100**		1.4	**1.4**		1.4			
2-Hexanone	0.98	U	0.98	240	U	240	2,400	U	2,400	24	U	24	0.98	U	0.98	0.98	U	0.98	**1.8**		0.98	0.98	U	0.98			
4-Methyl-2-Pentanone	**0.76**	J	0.98	240	U	240	2,400	U	2,400	24	U	24	0.98	U	0.98	0.98	U	0.98	**1.2**		0.98	0.98	U	0.98			
Acetone	**3.0**		1.7	420	U	420	4,200	U	4,200	42	U	42	**6.7**		1.7	**7.0**		1.7	**24**		1.7	**6.4**		1.7			
Benzene	1.3	U	1.3	**880**		310	**7,100**		3,100	31	U	31	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3			
Bromodichloromethane	0.60	U	0.60	150	U	150	1,500	U	1,500	15	U	15	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60			
Bromoform	0.39	U	0.39	97	U	97	970	U	970	9.7	U	9.7	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39			
Bromomethane	1.0	U	1.0	260	U	260	2,600	U	2,600	26	U	26	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
Carbon Disulfide	**1.0**	J	1.3	320	U	320	3,200	U	3,200	32	U	32	**1.2**	J	1.3	**1.2**	J	1.3	**0.93**	J	1.3	**7.6**		1.3			
Carbon Tetrachloride	0.64	U	0.64	160	U	160	1,600	U	1,600	16	U	16	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64			
Chlorobenzene	0.87	U	0.87	220	U	220	2,200	U	2,200	22	U	22	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87			
Chloroethane	1.5	U	1.5	380	U	380	3,800	U	3,800	38	U	38	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5			
Chloroform	0.82	U	0.82	200	U	200	2,000	U	2,000	20	U	20	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82			
Chloromethane	1.9	U	1.9	480	U	480	4,800	U	4,800	48	U	48	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9			
cis-1,2-Dichloroethene	1.0	U	1.0	250	U	250	2,500	U	2,500	25	U	25	**1.8**		1.0	**1.8**		1.0	1.0	U	1.0	1.0	U	1.0			
cis-1,3-Dichloropropane	0.88	U	0.88	220	U	220	2,200	U	2,200	22	U	22	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88			
Dibromochloromethane	0.47	U	0.47	120	U	120	1,200	U	1,200	12	U	12	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47			
Ethylbenzene	0.92	U	0.92	230	U	230	**8,500**		2,300	23	U	23	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92			
m- &p-Xylene	0.92	U	0.92	230	U	230	**7,700**		2,300	23	U	23	0.92	U	0.92	0.92	U	0.92	**2.1**		0.92	0.92	U	0.92			
Methyl tert-Butyl Ether	1.1	U	1.1	280	U	280	2,800	U	2,800	28	U	28	**1.3**		1.1	**1.2**		1.1	1.1	U	1.1	1.1	U	1.1			
Methylene Chloride	1.2	U	1.2	290	U	290	2,900	U	2,900	29	U	29	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2			
o-Xylene	0.92	U	0.92	230	U	230	2,300	U	2,300	23	U	23	0.92	U	0.92	0.92	U	0.92	**0.88**	J	0.92	0.92	U	0.92			
Styrene	0.94	U	0.94	230	U	230	2,300	U	2,300	23	U	23	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94			
Tetrachloroethene	**20**		0.59	150	U	150	1,500	U	1,500	**27**		15	**100**		0.59	**96**		0.59	***540***		0.59	***550***		0.59			
Toluene	1.1	U	1.1	270	U	270	2,700	U	2,700	27	U	27	**2.1**		1.1	**2.1**		1.1	**2.3**		1.1	1.1	U	1.1			
trans-1,2-Dichloroethene	1.0	U	1.0	250	U	250	2,500	U	2,500	25	U	25	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0			
trans-1,3-Dichloropropene	0.88	U	0.88	220	U	220	2,200	U	2,200	22	U	22	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88			
Trichloroethene	**1.2**		0.74	190	U	190	1,900	U	1,900	19	U	19	**15**		0.74	**15**		0.74	**23**		0.74	**19**		0.74			
Trichlorofluoromethane	0.71	U	0.71	180	U	180	1,800	U	1,800	18	U	18	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71			
Trichlorotrifluoroethane	0.52	U	0.52	130	U	130	1,300	U	1,300	13	U	13	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52			
Vinyl Acetate	1.1	U	1.1	280	U	280	2,800	U	2,800	28	U	28	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.3**		1.1			
Vinyl Chloride	1.6	U	1.6	**420**		390	3,900	U	3,900	39	U	39	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW50-08			VW50-08			VW50-018			VW50-035			VW51-08			VW51-018			VW51-030			VW51-030			VW52-010		
Sample Number	WDI-VW50-08-06			WDI-VW50-08-06			WDI-VW50-18-06			WDI-VW50-35-06			WDI-VW51-08-06			WDI-VW51-18-06			WDI-VW51-30-06			WDI-VW51-30-06			WDI-VW52-10-06		
Sample Type	REG			DUP			REG			REG			REG			REG			REG			DUP			REG		
Sample Depth	8			8			18			35			8			18			30			30			10		
Sample Date	4/23/99			4/23/99			4/23/99			4/23/99			4/22/99			4/22/99			4/22/99			4/22/99			4/21/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900841-006			P9900841-006DUP			P9900841-007			P9900841-008			P9900819-006			P9900819-007			P9900819-008			P9900819-008DUP			P9900819-017		
Analysis Date	4/30/99			5/24/99			4/30/99			4/30/99			4/29/99			4/29/99			4/29/99			4/29/99			4/29/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				0.50	U	0.50	0.50	U	0.50	**79**		0.50	***423,000***		1,000	***22,300***		1,000				**200**		0.50
Total Nonmethane (ppmv)	**4.4**		1.0				**5.0**		1.0	**13**		1.0	**15**		1.0	**16,000**		9.4	**620**		9.4	**640**		9.4	**26**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**0.95**		0.73	**0.92**		0.73	**0.77**		0.73	**0.65**	J	0.73	**3.3**		0.73	180	U	180	18	U	18				0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	150	U	150	15	U	15				0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	180	U	180	18	U	18				0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**1.0**		0.99	**7.2**		0.99	250	U	250	25	U	25				**71**		0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	250	U	250	**27**		25				1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	130	U	130	13	U	13				0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	170	U	170	17	U	17				0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	250	U	250	25	U	25				0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	220	U	220	22	U	22				**11**		0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	170	U	170	17	U	17				0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	170	U	170	17	U	17				0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	**0.86**	U[1]	1.4	1.4	U	1.4	1.4	U	1.4	340	U	340	34	U	34				1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	240	U	240	24	U	24				0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	240	U	240	24	U	24				0.98	U	0.98
Acetone	**5.5**	U[1]	1.7	**5.6**	U[1]	1.7	**7.9**	U[1]	1.7	**6.6**	U[1]	1.7	**8.4**	U[1]	1.7	420	U	420	42	U	42				1.7	U	1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	***12,000***		310	31	U	31				**1.3**		1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	150	U	150	15	U	15				0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	97	U	97	9.7	U	9.7				0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	260	U	260	26	U	26				1.0	U	1.0
Carbon Disulfide	**2.8**		1.3	**2.8**		1.3	**6.5**		1.3	**2.9**		1.3	1.3	U	1.3	320	U	320	32	U	32				**1.9**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	160	U	160	16	U	16				0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	220	U	220	22	U	22				0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	380	U	380	38	U	38				**9.4**		1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**2.1**		0.82	0.82	U	0.82	200	U	200	20	U	20				0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	**1.5**	J	1.9	1.9	U	1.9	480	U	480	48	U	48				1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**4.7**		1.0	1.0	U	1.0	250	U	250	**240**		25				1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	220	U	220	22	U	22				0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	120	U	120	12	U	12				0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**870**		230	23	U	23				0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**880**		230	23	U	23				0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	280	U	280	28	U	28				**20**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	290	U	290	29	U	29				1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	230	U	230	23	U	23				0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	230	U	230	23	U	23				0.94	U	0.94
Tetrachloroethene	**0.90**		0.59	**0.86**		0.59	**2.0**		0.59	**7.8**		0.59	**0.61**		0.59	150	U	150	**200**		15				**3.9**		0.59
Toluene	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	270	U	270	27	U	27				1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	250	U	250	**170**		25				1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	220	U	220	22	U	22				0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**3.5**		0.74	0.74	U	0.74	190	U	190	***550***		19				**0.76**		0.74
Trichlorofluoromethane	**0.66**	J	0.71	**0.64**	J	0.71	**0.77**		0.71	**1.1**		0.71	0.71	U	0.71	180	U	180	18	U	18				0.71	U	0.71
Trichlorotrifluoroethane	**0.34**	J	0.52	**0.34**	J	0.52	**0.62**		0.52	**1.6**		0.52	0.52	U	0.52	130	U	130	13	U	13				0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	**0.70**	J	1.1	1.1	U	1.1	1.1	U	1.1	280	U	280	28	U	28				1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	390	U	390	***37***	J	39				**2.1**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW52-010			VW52-019			VW52-030			VW53-010			VW53-020			VW53-030			VW53-030			VW54-012			VW54-020		
Sample Number	WDI-VW52-10-06			WDI-VW52-19-06			WDI-VW52-30-06			WDI-VW53-10-06			WDI-VW53-20-06			WDI-VW53-30-06			WDI-VW 53-30-06			WDI-VW54-12-06			WDI-VW54-20-06		
Sample Type	DUP			REG			REG			REG			REG			REG			DUP			REG			REG		
Sample Depth	*10*			*19*			*30*			*10*			*20*			*30*			*30*			*12*			*20*		
Sample Date	4/21/99			4/21/99			4/21/99			4/16/99			4/16/99			4/16/99			4/16/99			4/22/99			4/22/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900819-017DUP			P9900819-018			P9900819-019			P9900785-009			P9900785-010			P9900785-011			P9900785-011DUP			P9900832-008			P9900832-009		
Analysis Date	4/29/99			4/29/99			4/29/99			4/28/99			4/28/99			4/28/99			4/28/99			4/30/99			4/30/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**210**		0.50	0.50	U	0.50	0.50	U	0.50	**7,820**		1.000	**490**		0.50	**520**		0.50	**510**		0.50	**7,930**		1,000	**6,480**		1,000
Total Nonmethane (ppmv)	**28**		1.0	**20**		1.0	**19**		1.0	**340**		1.0	**28**		1.0	**27**		1.0	**26**		1.0	**20**		1.0	**23**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				**1.1**		0.73	**1.2**		0.73	18	U	18	0.73	U	0.73	0.73	U	0.73				3.7	U	3.7	0.73	U	0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	15	U	15	0.58	U	0.58	0.58	U	0.58				2.9	U	2.9	0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	18	U	18	0.73	U	0.73	0.73	U	0.73				3.7	U	3.7	0.73	U	0.73
1,1-Dichloroethane				**130**		0.99	**160**		0.99	25	U	25	**14**		0.99	**14**		0.99				4.9	U	4.9	0.99	U	0.99
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	25	U	25	**15**		1.0	**15**		1.0				5.0	U	5.0	**2.1**		1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	13	U	13	0.52	U	0.52	0.52	U	0.52				2.6	U	2.6	0.52	U	0.52
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	17	U	17	**1.0**		0.67	0.67	U	0.67				3.3	U	3.3	0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	25	U	25	0.99	U	0.99	0.99	U	0.99				4.9	U	4.9	0.99	U	0.99
1,2-Dichloropropane				**120**		0.87	**220**		0.87	22	U	22	0.87	U	0.87	0.87	U	0.87				4.3	U	4.3	0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	17	U	17	**0.75**		0.67	0.67	U	0.67				3.3	U	3.3	0.67	U	0.67
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	17	U	17	**1.0**		0.67	0.67	U	0.67				3.3	U	3.3	0.67	U	0.67
2-Butanone				1.4	U	1.4	1.4	U	1.4	34	U	34	**8.8**		1.4	1.4	U	1.4				6.8	U	6.8	1.4	U	1.4
2-Hexanone				0.98	U	0.98	0.98	U	0.98	24	U	24	0.98	U	0.98	0.98	U	0.98				4.9	U	4.9	0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	24	U	24	**4.5**		0.98	0.98	U	0.98				4.9	U	4.9	0.98	U	0.98
Acetone				1.7	U	1.7	**4.2**	U[1]	1.7	42	U	42	1.7	U	1.7	1.7	U	1.7				8.4	U	8.4	1.7	U	1.7
Benzene				1.3	U	1.3	1.3	U	1.3	31	U	31	**1.6**		1.3	1.3	U	1.3				6.3	U	6.3	**2.3**		1.3
Bromodichloromethane				**0.38**	J	0.60	**0.87**		0.60	15	U	15	0.60	U	0.60	0.60	U	0.60				3.0	U	3.0	0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	9.7	U	9.7	0.39	U	0.39	0.39	U	0.39				1.9	U	1.9	0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	26	U	26	1.0	U	1.0	1.0	U	1.0				5.2	U	5.2	1.0	U	1.0
Carbon Disulfide				**1.4**		1.3	**4.0**		1.3	32	U	32	**6.4**		1.3	**2.8**		1.3				6.4	U	6.4	**1.1**	J	1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	16	U	16	0.64	U	0.64	0.64	U	0.64				3.2	U	3.2	0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	22	U	22	0.87	U	0.87	0.87	U	0.87				4.3	U	4.3	0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	38	U	38	1.5	U	1.5	1.5	U	1.5				7.6	U	7.6	1.5	U	1.5
Chloroform				**3.8**		0.82	**5.1**		0.82	20	U	20	**2.8**		0.82	**2.9**		0.82				4.1	U	4.1	0.82	U	0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	48	U	48	1.9	U	1.9	**1.7**	J	1.9				9.7	U	9.7	1.9	U	1.9
cis-1,2-Dichloroethene				**13**		1.0	**17**		1.0	**99**		25	**70**		1.0	**68**		1.0				5.0	U	5.0	**11**		1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	22	U	22	0.88	U	0.88	0.88	U	0.88				4.4	U	4.4	0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	12	U	12	0.47	U	0.47	0.47	U	0.47				2.3	U	2.3	0.47	U	0.47
Ethylbenzene				0.92	U	0.92	0.92	U	0.92	23	U	23	**1.2**		0.92	0.92	U	0.92				4.6	U	4.6	0.92	U	0.92
m- &p-Xylene				0.92	U	0.92	0.92	U	0.92	23	U	23	**4.8**		0.92	**1.0**		0.92				4.6	U	4.6	0.92	U	0.92
Methyl tert-Butyl Ether				**1.2**		1.1	**3.2**		1.1	28	U	28	1.1	U	1.1	1.1	U	1.1				5.5	U	5.5	1.1	U	1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	29	U	29	**1.7**		1.2	1.2	U	1.2				5.8	U	5.8	1.2	U	1.2
o-Xylene				0.92	U	0.92	0.92	U	0.92	23	U	23	**2.9**		0.92	**0.91**	J	0.92				4.6	U	4.6	0.92	U	0.92
Styrene				0.94	U	0.94	0.94	U	0.94	23	U	23	0.94	U	0.94	0.94	U	0.94				4.7	U	4.7	0.94	U	0.94
Tetrachloroethene				**120**		0.59	**130**		0.59	15	U	15	**47**		0.59	**54**		0.59				3.0	U	3.0	0.59	U	0.59
Toluene				1.1	U	1.1	1.1	U	1.1	27	U	27	**4.3**		1.1	1.1	U	1.1				5.3	U	5.3	1.1	U	1.1
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	25	U	25	**11**		1.0	**12**		1.0				5.0	U	5.0	**0.85**	J	1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	22	U	22	0.88	U	0.88	0.88	U	0.88				4.4	U	4.4	0.88	U	0.88
Trichloroethene				**18**		0.74	**20**		0.74	**39**		19	***510***		0.74	***580***		0.74				3.7	U	3.7	**3.6**		0.74
Trichlorofluoromethane				0.71	U	0.71	0.71	U	0.71	18	U	18	0.71	U	0.71	0.71	U	0.71				3.6	U	3.6	0.71	U	0.71
Trichlorotrifluoroethane				0.52	U	0.52	0.52	U	0.52	13	U	13	**0.59**		0.52	**0.61**		0.52				2.6	U	2.6	0.52	U	0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	28	U	28	1.1	U	1.1	1.1	U	1.1				5.7	U	5.7	1.1	U	1.1
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	39	U	39	**6.5**		1.6	**7.3**		1.6				7.8	U	7.8	**6.2**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW54-020			VW54-030			VW54-030			VW55-018			VW55-029			VWFD55-029			VW56-08			VW56-08			VWFD56-08		
Sample Number	WDI-VW54-20-06			WDI-VW54-30-06			WDI-VW54-30-06			WDI-VW55-18-06			WDI-VW55-29-06			WDI-VWFD55-29-06			WDI-VW56-08-06			WDI-VW 56-08-06			WDI-VWFD-56-08-06		
Sample Type	DUP			REG			DUP			REG			REG			REG			REG			DUP			REG		
Sample Depth	20			30			30			55			29			29			8			8			8		
Sample Date	4/22/99			4/22/99			4/22/99			4/16/99			4/16/99			4/16/99			4/19/99			4/19/99			4/19/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900832-009DUP			P9900832-010			P9900832-010DUP			P9900785-002			P9900785-003			P9900785-004			P9900795-004			P9900795-004DUP			P9900795-007		
Analysis Date	5/23/99			4/30/99			4/30/99			4/28/99			4/28/99			4/28/99			4/28/99			4/28/99			4/28/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				**6,870**		1,000	**6,810**		1,000	**10,100**		1,000	**8,760**		1,000	**8,870**		1,000	**16**		0.50	**15**		0.50	**15**		0.50
Total Nonmethane (ppmv)				**26**		1.0				**170**		1.0	**76**		1.0	**77**		1.0	**16**		1.0	**15**		1.0	**15**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73				9.2	U	9.2	7.3	U	7.3	7.3	U	7.3	0.73	U	0.73				0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				7.3	U	7.3	5.8	U	5.8	5.8	U	5.8	0.58	U	0.58				0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				9.2	U	9.2	7.3	U	7.3	7.3	U	7.3	0.73	U	0.73				0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99				**13**		12	**7.0**	J	9.9	**6.7**	J	9.9	**8.2**		0.99				**8.7**		0.99
1,1-Dichloroethene	**2.1**		1.0	**1.8**		1.0				**69**		13	**37**		10	**37**		10	**2.4**		1.0				**2.5**		1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				6.5	U	6.5	5.2	U	5.2	5.2	U	5.2	0.52	U	0.52				0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				8.3	U	8.3	6.7	U	6.7	6.7	U	6.7	0.67	U	0.67				0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				12	U	12	9.9	U	9.9	9.9	U	9.9	0.99	U	0.99				0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				11	U	11	8.7	U	8.7	8.7	U	8.7	0.87	U	0.87				0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				8.3	U	8.3	6.7	U	6.7	6.7	U	6.7	0.67	U	0.67				0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				8.3	U	8.3	6.7	U	6.7	6.7	U	6.7	0.67	U	0.67				0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4				17	U	17	14	U	14	14	U	14	1.4	U	1.4				1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98				12	U	12	9.8	U	9.8	9.8	U	9.8	0.98	U	0.98				0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				12	U	12	9.8	U	9.8	9.8	U	9.8	0.98	U	0.98				**0.99**		0.98
Acetone	1.7	U	1.7	1.7	U	1.7				21	U	21	17	U	17	17	U	17	1.7	U	1.7				1.7	U	1.7
Benzene	**2.3**		1.3	**2.3**		1.3				**20**		16	13	U	13	13	U	13	**6.1**		1.3				**6.4**		1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				7.5	U	7.5	6.0	U	6.0	6.0	U	6.0	0.60	U	0.60				0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39				4.8	U	4.8	3.9	U	3.9	3.9	U	3.9	0.39	U	0.39				0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0				13	U	13	10	U	10	10	U	10	1.0	U	1.0				1.0	U	1.0
Carbon Disulfide	**1.1**	J	1.3	1.3	U	1.3				**13**	J	16	13	U	13	13	U	13	**2.4**		1.3				**2.5**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64				8.0	U	8.0	6.4	U	6.4	6.4	U	6.4	0.64	U	0.64				0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				11	U	11	8.7	U	8.7	8.7	U	8.7	0.87	U	0.87				0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5				19	U	19	15	U	15	15	U	15	1.5	U	1.5				1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82				10	U	10	8.2	U	8.2	8.2	U	8.2	0.82	U	0.82				0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9				24	U	24	19	U	19	19	U	19	1.9	U	1.9				1.9	U	1.9
cis-1,2-Dichloroethene	**11**		1.0	**6.8**		1.0				**300**		13	**180**		10	**180**		10	**210**		1.0				**220**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				11	U	11	8.8	U	8.8	8.8	U	8.8	0.88	U	0.88				0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				5.9	U	5.9	4.7	U	4.7	4.7	U	4.7	0.47	U	0.47				0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92				12	U	12	9.2	U	9.2	9.2	U	9.2	0.92	U	0.92				0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92				**11**	J	12	9.2	U	9.2	9.2	U	9.2	**0.58**	J	0.92				**1.0**		0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1				14	U	14	11	U	11	11	U	11	**170**		1.1				**170**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2				14	U	14	12	U	12	12	U	12	1.2	U	1.2				1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92				12	U	12	9.2	U	9.2	9.2	U	9.2	0.92	U	0.92				0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94				12	U	12	9.4	U	9.4	9.4	U	9.4	0.94	U	0.94				0.94	U	0.94
Tetrachloroethene	0.59	U	0.59	0.59	U	0.59				**12**		7.4	**9.2**		5.9	**9.4**		5.9	**32**		0.59				**35**		0.59
Toluene	1.1	U	1.1	1.1	U	1.1				13	U	13	11	U	11	11	U	11	**0.92**	J	1.1				**2.0**		1.1
trans-1,2-Dichloroethene	**0.85**	J	1.0	1.0	U	1.0				**79**		13	40		10	**40**		10	**11**		1.0				**11**		1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				11	U	11	8.8	U	8.8	8.8	U	8.8	0.88	U	0.88				0.88	U	0.88
Trichloroethene	**3.6**		0.74	**2.1**		0.74				***740***		9.3	**410**		7.4	**400**		7.4	**98**		0.74				**100**		0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71				8.9	U	8.9	7.1	U	7.1	7.1	U	7.1	0.71	U	0.71				0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52				6.5	U	6.5	5.2	U	5.2	5.2	U	5.2	0.52	U	0.52				0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				14	U	14	11	U	11	11	U	11	1.1	U	1.1				1.1	U	1.1
Vinyl Chloride	**6.2**		1.6	**7.6**		1.6				***110***		20	***58***		16	***58***		16	**10**		1.6				**11**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VWFD56-08			VW56-017			VW56-028			VW57-07			VW57-07			VW57-018			VW57-026			VW 57-026			VW58-08		
Sample Number	WDI-VWFD 56-08-06			WDI-VW56-17-06			WDI-VW56-28-06			WDI-VW57-07-06			WDI-VW57-07-06			WDI-VW57-18-06			WDI-VW57-26-06			WDI-VW 57-26-06			WDI-VW58-08-06		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			DUP			REG		
Sample Depth	8			17			28			7			7			18			26			26			8		
Sample Date	4/19/99			4/19/99			4/19/99			4/16/99			4/16/99			4/16/99			4/16/99			4/16/99			4/19/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900795-007DUP			P9900795-005			P9900795-006			P9900785-005			P9900785-005DUP			P9900785-006			P9900785-007			P9900785-007DUP			P9900795-009		
Analysis Date	4/28/99			4/28/99			4/28/99			4/28/99			5/19/99			4/28/99			4/28/99			4/28/99			4/28/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**15**		0.50	**2.7**		0.50	**1.8**		0.50	**1,780**		1,000				**20**		0.50	**23**		0.50	**23**		0.50	**0.88**		0.50
Total Nonmethane (ppmv)	**15**		1.0	**22**		1.0	**21**		1.0	**6.8**		1.0				**24**		1.0	**25**		1.0	**24**		1.0	**11**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				**1.5**		0.73	**1.6**		0.73	0.73	U	0.73	0.73	U	0.73	**4.8**		0.73	**5.6**		0.73				**22**		0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73
1,1-Dichloroethane				**7.6**		0.99	**7.2**		0.99	0.99	U	0.99	0.99	U	0.99	**6.4**		0.99	**6.9**		0.99				0.99	U	0.99
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**1.1**		1.0	**1.2**		1.0				1.0	U	1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67
2-Butanone				1.4	U	1.4	**1.2**	J	1.4	**1.7**		1.4	**2.0**		1.4	1.4	U	1.4	1.4	U	1.4				**0.87**	J	1.4
2-Hexanone				0.98	U	0.98	0.98	U	0.98	**4.4**		0.98	**4.4**		0.98	0.98	U	0.98	**0.82**	J	0.98				0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98
Acetone				1.7	U	1.7	**7.4**		1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7				**12**		1.7
Benzene				**0.99**	J	1.3	1.3	U	1.3	**0.93**	J	1.3	**0.88**	J	1.3	**1.8**		1.3	**0.83**	J	1.3				1.3	U	1.3
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0
Carbon Disulfide				**1.5**		1.3	**9.1**		1.3	**52**		1.3	**53**		1.3	1.3	U	1.3	**1.7**		1.3				**2.9**		1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5
Chloroform				**20**		0.82	**23**		0.82	0.82	U	0.82	0.82	U	0.82	**3.4**		0.82	**4.6**		0.82				**2.0**		0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	**1.3**	J	1.9	**1.4**	J	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9
cis-1,2-Dichloroethene				**38**		1.0	**18**		1.0	**0.92**	J	1.0	**0.92**	J	1.0	**1.2**		1.0	**1.2**		1.0				1.0	U	1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47
Ethylbenzene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**2.4**		0.92	0.92	U	0.92				0.92	U	0.92
m- &p-Xylene				**1.5**		0.92	0.92	U	0.92	**1.6**		0.92	**1.7**		0.92	**11**		0.92	0.92	U	0.92				0.92	U	0.92
Methyl tert-Butyl Ether				**13**		1.1	**2.8**		1.1	**2.2**		1.1	**2.2**		1.1	1.1	U	1.1	1.1	U	1.1				**0.87**	J	1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2
o-Xylene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**5.0**		0.92	0.92	U	0.92				0.92	U	0.92
Styrene				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94
Tetrachloroethene				**35**		0.59	**34**		0.59	**0.64**		0.59	**0.62**		0.59	**130**		0.59	**150**		0.59				**15**		0.59
Toluene				1.1	U	1.1	1.1	U	1.1	**2.1**		1.1	**2.1**		1.1	**12**		1.1	1.1	U	1.1				1.1	U	1.1
trans-1,2-Dichloroethene				**0.89**	J	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88
Trichloroethene				***470***		0.74	***480***		0.74	**1.1**		0.74	**1.2**		0.74	***560***		0.74	***700***		0.74				***2,200***		0.74
Trichlorofluoromethane				**0.47**	J	0.71	**0.48**	J	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71				**0.56**	J	0.71
Trichlorotrifluoroethane				**0.81**		0.52	**0.86**		0.52	0.52	U	0.52	0.52	U	0.52	**0.53**		0.52	**0.52**		0.52				0.52	U	0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**0.89**	J	1.1	1.1	U	1.1				1.1	U	1.1
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW58-019			VW58-029			VW59-07			VW59-017			VW59-027			VW59-027			VW60-010	VW60-018	VW60-028
Sample Number	WDI-VW58-19-06			WDI-VW58-29-06			WDI-VW59-07-06			WDI-VW59-17-06			WDI-VW59-27-06			WDI-VW59-27-06			Not Sampled this quarter	Not Sampled this quarter	Not Sampled this quarter
Sample Type	REG			REG			REG			REG			REG			DUP					
Sample Depth	19			29			7			17			27			27					
Sample Date	4/19/99			4/19/99			4/16/99			4/16/99			4/16/99			4/16/99					
Field Methane (%)																					
Field PID VOCs (ppm)																					
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical					
Lab Sample ID	P9900795-010			P9900795-011			P9900777-012			P9900777-013			P9900777-014			P9900777-014DUP					
Analysis Date	4/28/99			4/28/99			4/27/99			4/27/99			4/27/99			4/27/99					
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL			
Lab Methane (ppmv)	**1.2**		0.50	**0.65**		0.50	**3.5**		0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50			
Total Nonmethane (ppmv)	***45***		*1.0*	***22***		*1.0*	***13***		*1.0*	***17***		*1.0*	***19***		*1.0*	***19***		*1.0*			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL			
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)					
1,1,1-Trichloroethane	**16**		0.73	**11**		0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73						
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58						
1,1,2-Trichloroethane	0.73	U	0.73	**0.47**	J	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73						
1,1-Dichloroethane	**0.78**	J	0.99	**0.92**	J	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99						
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0						
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52						
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	**0.52**	J	0.67	0.67	U	0.67	0.67	U	0.67						
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99						
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87						
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67						
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67						
2-Butanone	1.4	U	1.4	**1.5**		1.4	1.4	U	1.4	**0.97**	J	1.4	**0.93**	J	1.4						
2-Hexanone	0.98	U	0.98	**3.1**		0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98						
4-Methyl-2-Pentanone	0.98	U	0.98	**0.95**	J	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98						
Acetone	**12**		1.7	**6.0**		1.7	1.7	U	1.7	1.7	U	1.7	**12**		1.7						
Benzene	**0.84**	J	1.3	**2.1**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3						
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60						
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39						
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0						
Carbon Disulfide	**28**		1.3	1.3	U	1.3	**1.3**	J	1.3	1.3	U	1.3	**0.99**	J	1.3						
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64						
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87						
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5						
Chloroform	**5.2**		0.82	**4.9**		0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82						
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9						
cis-1,2-Dichloroethene	**1.2**		1.0	**1.1**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0						
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88						
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47						
Ethylbenzene	0.92	U	0.92	**2.2**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92						
m- &p-Xylene	0.92	U	0.92	**9.8**		0.92	**3.7**		0.92	**1.2**		0.92	0.92	U	0.92						
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**12**		1.1	**3.4**		1.1						
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2						
o-Xylene	0.92	U	0.92	**3.9**		0.92	**1.2**		0.92	0.92	U	0.92	0.92	U	0.92						
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94						
Tetrachloroethene	**140**		0.59	**120**		0.59	**77**		0.59	**39**		0.59	**58**		0.59						
Toluene	**1.1**	U	1.1	**13**		1.1	**1.8**		1.1	**2.9**		1.1	**0.95**	J	1.1						
trans-1,2-Dichloroethene	**2.0**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0						
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88						
Trichloroethene	***4,300***		0.74	***2,500***		0.74	**0.93**		0.74	**3.8**		0.74	**6.5**		0.74						
Trichlorofluoromethane	**0.56**	J	0.71	**0.53**	J	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71						
Trichlorotrifluoroethane	**0.44**	J	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52						
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1						
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6						

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW61-08			VW61-08			VWFD61-08			VWFD61-08			VW61-019			VW61-030			VW62-08			VW62-018			VW62-029		
Sample Number	WDI-VW61-08-06			WDI-VW61-08-06			WDI-VWFD-61-08-06			WDI-VWFD-61-08-06			WDI-VW61-19-06			WDI-VW61-30-06			WDI-VW62-08-06			WDI-VW62-18-06			WDI-VW62-29-06		
Sample Type	REG			DUP			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	8			8			8			8			19			30			8			18			29		
Sample Date	4/22/99			4/22/99			4/22/99			4/22/99			4/22/99			4/22/99			4/13/99			4/13/99			4/13/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900832-001			P9900832-001DUP			P9900832-013			P9900832-013DUP			P9900832-002			P9900832-003			P9900745-007			P9900745-008			P9900745-009		
Analysis Date	4/30/99			5/23/99			4/30/99			4/30/99			4/30/99			4/30/99			4/26/99			4/26/99			4/26/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.72**		0.50				**0.93**		0.50	**0.89**		0.50	**26**		0.50	**7.9**		0.50	***35,800***		1,000	**2,320**		1,000	**2,650**		1,000
Total Non-Methane (ppmv)	**11**		1.0				**13**		1.0	**12**		1.0	**19**		1.0	**21**		1.0	**3.5**		1.0	**29**		1.0	**28**		1.0
Parameter (TO-15 analytes)	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL	Result (ppbv)	Qual	RDL
1,1,1-Trichloroethane	**2.7**		0.73	**2.8**		0.73	**2.8**		0.73				**15**		0.73	**30**		0.73	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	**1.8**		0.99	**1.8**		0.99	**1.8**		0.99				**42**		0.99	**38**		0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				**63**		0.87	**19**		0.87	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
2-Butanone	**1.8**		1.4	**1.8**		1.4	1.4	U	1.4				**200**		1.4	1.4	U	1.4	3.4	U	3.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	**2.1**	J[1]	0.98	**2.2**	J[1]	0.98	0.98	J[1]	0.98				**15**		0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
Acetone	**8.5**	J[1]	1.7	**8.5**	J[1]	1.7	**12**	J[1]	1.7				**150**		1.7	**4.1**		1.7	4.2	U	4.2	**3.5**		1.7	1.7	U	1.7
Benzene	1.3	J[1]	1.3	1.3	J[1]	1.3	**8.0**	J[1]	1.3				**4.3**		1.3	1.3	U	1.3	3.1	U	3.1	***0.86***	J	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**2.7**	J[1]	1.3	**2.7**	J[1]	1.3	**13**	J[1]	1.3				**140**		1.3	**4.4**		1.3	**4.3**		3.2	**6.1**		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	**1.5**		0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	2.0	U	2.0	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				**6.4**		1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	**1.2**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	J[1]	0.92	0.92	J[1]	0.92	**1.2**	J[1]	0.92				**1.9**		0.92	0.92	U	0.92	2.3	U	2.3	**0.74**	J	0.92	0.92	U	0.92
m- &p-Xylene	0.92	J[1]	0.92	0.92	J[1]	0.92	**4.3**	J[1]	0.92				**6.4**		0.92	0.92	U	0.92	**2.6**		2.3	**1.7**		0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	**1.7**		1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	J[1]	0.92	0.92	J[1]	0.92	**1.9**	J[1]	0.92				**1.5**		0.92	0.92	U	0.92	2.3	U	2.3	**0.69**	J	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**18**		0.59	**18**		0.59	**19**		0.59				**26**		0.59	**32**		0.59	1.5	U	1.5	**0.46**	J	0.59	0.59	U	0.59
Toluene	1.1	J[1]	1.1	1.1	J[1]	1.1	**12**	J[1]	1.1				**6.0**		1.1	1.1	U	1.1	**4.0**		2.7	**1.5**		1.1	**0.91**	J	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**1.4**		0.74	**1.5**		0.74	**1.5**		0.74				**1.4**		0.74	**1.9**		0.74	1.9	U	1.9	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71	1.8	U	1.8	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				**56**		1.1	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				***28***		1.6	1.6	U	1.6	3.9	U	3.9	**3.2**		1.6	**4.3**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW62-029			VW63-08			VW63-018			VW63-028			MP01-05			MP01-015			MP02-05			MP02-015			Field Blank		
Sample Number	WDI-VW62-29-06			WDI-VW63-08-06			WDI-VW63-18-06			WDI-VW63-28-06			WDI-MP01-05-06			WDI-MP01-15-06			WDI-MP02-05-06			WDI-MP02-15-06			WDI-VWFB-4-13		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG			Blank		
Sample Depth	29			8			18			28			5			15			5			15					
Sample Date	4/13/99			4/14/99			4/14/99			4/14/99			4/22/99			4/22/99			4/22/99			4/22/99			4/13/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900745-009DUP			P9900762-009			P9900762-010			P9900762-011			P9900819-009			P9900819-010			P9900819-011			P9900819-012			P9900745-013		
Analysis Date	4/26/99			4/26/99			4/26/99			4/26/99			4/29/99			4/29/99			4/29/99			4/29/99			4/26/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				5.7		0.50	0.50	U	0.50	0.50	U	0.50	59		0.50	***908,000***		1,000	18		0.50	#####		1,000	0.50	U	0.50
Total Nonmethane (ppmv)	27		1.0	1.0	U	1.0	18		1.0	19		1.0	17		1.0	29,000		19	9.8		1.0	40,000		19	1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.73	U	0.73	0.62	J	0.73	0.87		0.73	5.6		0.73	370	U	370	0.73	U	0.73	730	U	730	0.73	U	0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	290	U	290	0.58	U	0.58	580	U	580	0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	370	U	370	0.73	U	0.73	730	U	730	0.73	U	0.73
1,1-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	490	U	490	0.99	U	0.99	990	U	990	0.99	U	0.99
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	500	U	500	1.0	U	1.0	1,000	U	1,000	1.0	U	1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	260	U	260	0.52	U	0.52	520	U	520	0.52	U	0.52
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	330	U	330	0.67	U	0.67	670	U	670	0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	490	U	490	0.99	U	0.99	990	U	990	0.99	U	0.99
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	430	U	430	0.87	U	0.87	870	U	870	0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	330	U	330	0.67	U	0.67	670	U	670	0.67	U	0.67
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	330	U	330	0.67	U	0.67	670	U	670	0.67	U	0.67
2-Butanone				1.4	U	1.4	1.4	U	1.4	3.0		1.4	1.4	U	1.4	680	U	680	1.9		1.4	1,400	U	1,400	1.4	U	1.4
2-Hexanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	490	U	490	0.98	U	0.98	980	U	980	0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	490	U	490	0.98	U	0.98	980	U	980	0.98	U	0.98
Acetone				1.7	U	1.7	6.0		1.7	11		1.7	1.7	U	1.7	840	U	840	1.7	U	1.7	1,700	U	1,700	1.7	U	1.7
Benzene				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	630	U	630	1.3	U	1.3	1,300	U	1,300	1.3	U	1.3
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	300	U	300	0.60	U	0.60	600	U	600	0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	190	U	190	0.39	U	0.39	390	U	390	0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	520	U	520	1.0	U	1.0	1,000	U	1,000	1.0	U	1.0
Carbon Disulfide				5.0		1.3	2.0		1.3	4.6		1.3	5.4		1.3	640	U	640	1.3	U	1.3	1,300	U	1,300	1.3	U	1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	320	U	320	0.64	U	0.64	640	U	640	0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	430	U	430	0.87	U	0.87	870	U	870	0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	760	U	760	1.5	U	1.5	1,500	U	1,500	1.5	U	1.5
Chloroform				0.82	U	0.82	0.82	U	0.82	0.83		0.82	0.82	U	0.82	410	U	410	0.82	U	0.82	820	U	820	0.82	U	0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	970	U	970	1.9	U	1.9	1,900	U	1,900	1.9	U	1.9
cis-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	500	U	500	1.0	U	1.0	1,000	U	1,000	1.0	U	1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	440	U	440	0.88	U	0.88	880	U	880	0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	230	U	230	0.47	U	0.47	470	U	470	0.47	U	0.47
Ethylbenzene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	460	U	460	0.92	U	0.92	920	U	920	0.92	U	0.92
m- &p-Xylene				8.8		0.92	0.92	U	0.92	0.62	J	0.92	0.92	U	0.92	460	U	460	0.92	U	0.92	920	U	920	0.92	U	0.92
Methyl tert-Butyl Ether				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	550	U	550	1.1	U	1.1	1,100	U	1,100	1.1	U	1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	580	U	580	1.2	U	1.2	1,200	U	1,200	1.2	U	1.2
o-Xylene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	460	U	460	0.92	U	0.92	920	U	920	0.92	U	0.92
Styrene				0.94	U	0.94	0.94	U	0.94	3.8		0.94	0.94	U	0.94	470	U	470	0.94	U	0.94	940	U	940	0.94	U	0.94
Tetrachloroethene				0.57	J	0.59	100		0.59	150		0.59	4.9		0.59	300	U	300	130		0.59	590	U	590	0.59	U	0.59
Toluene				1.1	U	1.1	1.1	U	1.1	2.5		1.1	1.1	U	1.1	530	U	530	1.1	U	1.1	1,100	U	1,100	1.1	U	1.1
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	500	U	500	1.0	U	1.0	1,000	U	1,000	1.0	U	1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	440	U	440	0.88	U	0.88	880	U	880	0.88	U	0.88
Trichloroethene				0.95		0.74	6.6		0.74	14		0.74	0.74	U	0.74	370	U	370	4.6		0.74	740	U	740	0.74	U	0.74
Trichlorofluoromethane				0.71	U	0.71	1.1		0.71	1.4		0.71	0.67	J	0.71	360	U	360	0.71	U	0.71	710	U	710	0.71	U	0.71
Trichlorotrifluoroethane				0.52	U	0.52	1.2		0.52	1.9		0.52	0.52	U	0.52	260	U	260	0.52	U	0.52	520	U	520	0.52	U	0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	570	U	570	1.1	U	1.1	1,100	U	1,100	1.1	U	1.1
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	780	U	780	1.6	U	1.6	1,600	U	1,600	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Field Blank			Field Blank			Field Blank			Field Blank			Field Blank			Field Blank			Equipment Blank			Method Blank			Method Blank		
Sample Number	WDI-VWFB-4/14			WDI-VWFB-4-16			WDI-VWFB-4-19			WDI-VWFB-4-21			WDI-VWFB4-22			WDI-VWFB-4-23			WDI-VWEB			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blankd		
Sample Depth																											
Sample Date	4/14/99			4/16/99			4/19/99			4/21/99			4/22/99			4/23/99			4/23/99			NA			NA		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9900762-006			P9900795-001			P9900795-020			P9900819-030			P9900832-012			P9900841-011			P9900841-012			P990515-MB			P990516-MB		
Analysis Date	4/26/99			4/28/99			4/28/99			4/29/99			4/30/99			4/30/99			4/30/99			5/15/99			5/16/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50						
Total Nonmethane (ppmv)	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*						
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17
2-Butanone	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**0.71**	J	1.4	0.34	U	0.34	0.34	U	0.34
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24	0.24	U	0.24
Acetone	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	**11**		1.7	1.7	U	1.7	**1.4**	J	1.7	**8.0**		1.7	0.42	U	0.42	0.42	U	0.42
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.31	U	0.31	0.31	U	0.31
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.15	U	0.15	0.15	U	0.15
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.10	U	0.10	0.10	U	0.10
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.26	U	0.26	0.26	U	0.26
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.16	U	0.16	0.16	U	0.16
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22	0.22	U	0.22
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.38	U	0.38	0.38	U	0.38
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.20	U	0.20	0.20	U	0.20
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*0.25*	*U*	*0.25*	*0.25*	*U*	*0.25*
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22	0.22	U	0.22
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.12	U	0.12	0.12	U	0.12
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28	0.28	U	0.28
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	0.29	U	0.29	0.29	U	0.29
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.23	U	0.23	0.23	U	0.23
Tetrachloroethene	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.15	U	0.15	0.15	U	0.15
Toluene	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22	0.22	U	0.22
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13	0.13	U	0.13
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28	0.28	U	0.28
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																										
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																										
Field PID VOCs (ppm)																										
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990426-MB			P990516-MB			P990517-MB			P990426-MB			P990517-MB			P990518-MB			P990519-MB			P990427-MB			P990519-MB		
Analysis Date	4/26/99			5/16/99			5/17/99			4/26/99			5/17/99			5/18/99			5/19/99			4/27/99			5/19/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50							0.50	U	0.50										0.50	U	0.50			
Total Nonmethane (ppmv)	1.0	U	1.0							1.0	U	1.0										1.0	U	1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
1,1,2,2-Tetrachloroethane				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
1,1,2-Trichloroethane				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
1,1-Dichloroethane				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,1-Dichloroethene				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,2-Dibromoethane				0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13
1,2-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
1,2-Dichloroethane				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,2-Dichloropropane				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
1,3-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
1,4-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
2-Butanone				0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34				0.34	U	0.34
2-Hexanone				0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24
4-Methyl-2-Pentanone				0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24
Acetone				0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42				0.42	U	0.42
Benzene				0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31				0.31	U	0.31
Bromodichloromethane				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
Bromoform				0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10				0.10	U	0.10
Bromomethane				0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26				0.26	U	0.26
Carbon Disulfide				0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32				0.32	U	0.32
Carbon Tetrachloride				0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16				0.16	U	0.16
Chlorobenzene				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Chloroethane				0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38				0.38	U	0.38
Chloroform				0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20				0.20	U	0.20
Chloromethane				0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48				0.48	U	0.48
cis-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
cis-1,3-Dichloropropane				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Dibromochloromethane				0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12				0.12	U	0.12
Ethylbenzene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
m- &p-Xylene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Methyl tert-Butyl Ether				0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28
Methylene Chloride				0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29				0.29	U	0.29
o-Xylene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Styrene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Tetrachloroethene				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
Toluene				0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27				0.27	U	0.27
trans-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
trans-1,3-Dichloropropene				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Trichloroethene				0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19				0.19	U	0.19
Trichlorofluoromethane				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
Trichlorotrifluoroethane				0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13
Vinyl Acetate				0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28
Vinyl Chloride				0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																										
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																										
Field PID VOCs (ppm)																										
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990428-MB			P990519-MB			P990520-MB			P990521-MB			P990524-MB			P990428-MB			P990521-MB			P990522-MB			P990523-MB		
Analysis Date	4/28/99			5/19/99			5/20/99			5/21/99			5/24/99			4/28/99			5/21/99			5/22/99			5/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50													0.50	U	0.50									
Total Nonmethane (ppmv)	1.0	U	1.0													1.0	U	1.0									
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
2-Butanone				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
2-Hexanone				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Acetone				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42
Benzene				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31
Bromodichloromethane				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Bromoform				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Bromomethane				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Carbon Disulfide				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
Chlorobenzene				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Chloroethane				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38
Chloroform				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Chloromethane				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
cis-1,3-Dichloropropane				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Dibromochloromethane				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Ethylbenzene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
m- &p-Xylene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Methylene Chloride				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29
o-Xylene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Styrene				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Tetrachloroethene				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Toluene				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Trichloroethene				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Vinyl Acetate				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Vinyl Chloride				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.2

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
APRIL 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																					
Sample Date	NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																					
Field PID VOCs (ppm)																					
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990429-MB			P990524-MB			P990523-MB			P990430-MB			P990524-MB			P990525-MB			P990430-MB		
Analysis Date	4/29/99			5/24/99			5/23/99			4/30/99			5/24/99			5/25/99			4/30/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50							0.50	U	0.50							0.50	U	0.50
Total Nonmethane (ppmv)	1.0	U	1.0							1.0	U	1.0							1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18			
1,1,2,2-Tetrachloroethane				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15			
1,1,2-Trichloroethane				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18			
1,1-Dichloroethane				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
1,1-Dichloroethene				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
1,2-Dibromoethane				0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13			
1,2-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17			
1,2-Dichloroethane				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
1,3-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17			
1,4-Dichlorobenzene				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17			
2-Butanone				0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34			
2-Hexanone				0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24			
4-Methyl-2-Pentanone				0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24			
Acetone				0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42			
Benzene				0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31			
Bromodichloromethane				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15			
Bromoform				0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10			
Bromomethane				0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26			
Carbon Disulfide				0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32			
Carbon Tetrachloride				0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16			
Chlorobenzene				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
Chloroethane				0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38			
Chloroform				0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20			
Chloromethane				0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48			
cis-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
cis-1,3-Dichloropropane				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
Dibromochloromethane				0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12			
Ethylbenzene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
m- &p-Xylene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
Methyl tert-Butyl Ether				0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28			
Methylene Chloride				0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29			
o-Xylene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
Styrene				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
Tetrachloroethene				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15			
Toluene				0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27			
trans-1,2-Dichloroethene				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
trans-1,3-Dichloropropene				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
Trichloroethene				0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19			
Trichlorofluoromethane				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18			
Trichlorotrifluoroethane				0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13			
Vinyl Acetate				0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28			
Vinyl Chloride				0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE

Sample Location	VW01-035			VW01-035			VW02-035			VW03-035			VW04-023			VW05-029			VW05-029			VW06-034			VW08-035		
Sample Number	WDI-VW01-35-07			WDI-VW01-35-07			WDI-VW02-35-07			WDI-VW03-35-07			WDI-VW04-23-07			WDI-VW05-29-07			WDI-VW05-29-07			WDI-VW06-34-07			WDI-VW08-35-07		
Sample Type	REG			DUP			REG			REG			REG			REG			DUP			REG			REG		
Sample Depth	35			35			35			35			23			29			29			34			35		
Sample Date	8/6/99			8/6/99			8/11/99			8/6/99			8/6/99			8/11/99			8/11/99			8/11/99			8/5/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901559-005			P9901559-005DUP			P9901579-005			P9901559-007			P9901559-004			P9901579-006			P9901579-006DUP			P9901579-004			P9901553-005		
Analysis Date	8/13/99			8/16/99			8/18/99			8/13/99			8/13/99			8/18/99			8/18/99			8/18/99			8/13/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**3.1**		0.50				0.50	U	0.50	**1,740**		1,000	**78,900**		1,000	**49**		0.50	**50**		0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**6.7**		1.0				3.6		1.0	**8.5**		1.0	**4,400**		1.0	**12**		1.0	**11**		1.0	**1.6**		1.0	**11**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	37	U	37	1.8	U	1.8				0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	29	U	29	1.5	U	1.5				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	37	U	37	1.8	U	1.8				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	49	U	49	2.5	U	2.5				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	50	U	50	2.5	U	2.5				1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	26	U	26	1.3	U	1.3				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	1.7	U	1.7				0.67	U	0.67	**1.2**		0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	49	U	49	2.5	U	2.5				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	43	U	43	2.2	U	2.2				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	1.7	U	1.7				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	1.7	U	1.7				**0.43**	J	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	**1.7**		1.4	1.4	U	1.4	68	U	68	**4.8**		3.4				**2.0**		1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	49	U	49	2.4	U	2.4				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	**1.9**		0.98	0.98	U	0.98	49	U	49	2.4	U	2.4				0.98	U	0.98	0.98	U	0.98
Acetone	**3.2**		1.7	**3.1**		1.7	**16**		1.7	1.7	U	1.7	84	U	84	**44**		4.2				**12**		1.7	**4.7**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**1.8**		1.3	**350**		63	3.1	U	3.1				1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	30	U	30	1.5	U	1.5				0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	19	U	19	0.97	U	0.97				0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	52	U	52	2.6	U	2.6				1.0	U	1.0	**2.0**		1.0
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	64	U	64	3.2	U	3.2				1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	UJ	0.64	0.64	UJ	0.64	0.64	U	0.64	0.64	UJ	0.64	32	U	32	1.6	U	1.6				0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	43	U	43	2.2	U	2.2				0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	**1.7**		1.5	1.5	U	1.5	76	U	76	3.8	U	3.8				1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	41	U	41	2.0	U	2.0				0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	**5.9**		1.9	1.9	U	1.9	97	U	97	4.8	U	4.8				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	50	U	50	2.5	U	2.5				1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	44	U	44	2.2	U	2.2				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	23	U	23	1.2	U	1.2				0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	46	U	46	2.3	U	2.3				**0.82**	J	0.92	0.92	U	0.92
m- &p-Xylene	**0.92**		0.92	**0.91**	J	0.92	**0.88**	J	0.92	**1.1**		0.92	46	U	46	2.3	U	2.3				**3.2**		0.92	**0.63**	J	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	55	U	55	2.8	U	2.8				1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	**1.3**		1.2	1.2	U	1.2	58	U	58	2.9	U	2.9				1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	46	U	46	2.3	U	2.3				**0.85**	J	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	47	U	47	2.3	U	2.3				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**5.6**		0.59	**5.5**		0.59	**0.91**		0.59	**71**		0.59	30	U	30	**28**		1.5				0.59	U	0.59	**3.1**		0.59
Toluene	**1.8**		1.1	**1.8**		1.1	**3.6**		1.1	**1.4**		1.1	53	U	53	2.7	U	2.7				**4.2**		1.1	**2.8**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	50	U	50	2.5	U	2.5				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	44	U	44	2.2	U	2.2				0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**1.7**		0.74	37	U	37	1.9	U	1.9				0.74	U	0.74	**2.3**		0.74
Trichlorofluoromethane	**1.1**		0.71	**1.1**		0.71	0.71	U	0.71	0.71	U	0.71	36	U	36	1.8	U	1.8				0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	26	U	26	1.3	U	1.3				0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	57	U	57	2.8	U	2.8				1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	**64**	J	78	3.9	U	3.9				1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW10-035			VW11-035			VW11-035			VW12-034			VW12-034			VWFD-12-034			VW13-031			VW13-031			VW14-035		
Sample Number	WDI-VW10-35-07			WDI-VW11-35-07			WDI-VW11-35-07			WDI-VW12-34-07			WDI-VW12-34-07			WDI-VWFD-12-34-07			WDI-VW13-31-07			WDI-VW13-31-07			WDI-VW14-35-07		
Sample Type	REG			REG			DUP			REG			DUP			REG			REG			DUP			REG		
Sample Depth	35			35			35			34			34			34			31			31			35		
Sample Date	8/4/99			8/6/99			8/6/99			8/4/99			8/4/99			8/4/99			8/11/99			8/11/99			8/5/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901529-030			P9901559-006			P9901559-006DUP			P9901537-003			P9901537-003DUP			P9901537-004			P9901579-012			P9901579-012DUP			P9901553-001		
Analysis Date	8/11/99			8/13/99			8/13/99			8/12/99			8/12/99			8/12/99			8/18/99			8/18/99			8/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**1.6**	U^1	0.50	**2,320**		1,000	**2,130**		1,000	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	**7,290**		1,000	**7,390**		1,000	**5,990**		1,000
Total Nonmethane (ppmv)	**9.6**	U^1	1.0	**7.6**		1.0				**5.2**		1.0	**4.7**		1.0	**4.9**		1.0	**47**		1.0	**47**		1.0	**51**	J^1	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	**6.2**		0.73				0.73	U	0.73				0.73	U	0.73	3.7	U	3.7				3.7	U	3.7
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58				0.58	U	0.58	2.9	U	2.9				2.9	U	2.9
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73				0.73	U	0.73	3.7	U	3.7				3.7	U	3.7
1,1-Dichloroethane	**55**		0.99	**4.1**		0.99				0.99	U	0.99				0.99	U	0.99	4.9	U	4.9				**110**		4.9
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0				1.0	U	1.0	**11**		5.0				5.0	U	5.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52				0.52	U	0.52	2.6	U	2.6				2.6	U	2.6
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67				0.67	U	0.67	3.3	U	3.3				3.3	U	3.3
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99				0.99	U	0.99	4.9	U	4.9				4.9	U	4.9
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87				0.87	U	0.87	4.3	U	4.3				**130**		4.3
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67				0.67	U	0.67	3.3	U	3.3				3.3	U	3.3
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67				0.67	U	0.67	3.3	U	3.3				3.3	U	3.3
2-Butanone	1.4	U	1.4	**4.5**		1.4				1.4	U	1.4				1.4	U	1.4	6.8	U	6.8				6.8	U	6.8
2-Hexanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98				0.98	U	0.98	4.9	U	4.9				4.9	U	4.9
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98				0.98	U	0.98	4.9	U	4.9				4.9	U	4.9
Acetone	**4.2**		1.7	1.7	U	1.7				**4.1**	J^1	1.7				**7.8**	J^1	1.7	8.4	U	8.4				8.4	U	8.4
Benzene	1.3	U	1.3	**1.4**		1.3				1.3	U	1.3				1.3	U	1.3	6.3	U	6.3				**30**		6.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60				0.60	U	0.60	3.0	U	3.0				3.0	U	3.0
Bromoform	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39				0.39	U	0.39	1.9	U	1.9				1.9	U	1.9
Bromomethane	1.0	U	1.0	**4.4**		1.0				1.0	U	1.0				1.0	U	1.0	5.2	U	5.2				5.2	U	5.2
Carbon Disulfide	**4.8**		1.3	1.3	U	1.3				1.3	U	1.3				1.3	U	1.3	6.4	U	6.4				6.4	U	6.4
Carbon Tetrachloride	0.64	U	0.64	0.64	UJ	0.64				0.64	U	0.64				0.64	U	0.64	3.2	U	3.2				3.2	U	3.2
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87				0.87	U	0.87	4.3	U	4.3				4.3	U	4.3
Chloroethane	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5				1.5	U	1.5	7.6	U	7.6				**17**		7.6
Chloroform	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82				0.82	U	0.82	4.1	U	4.1				4.1	U	4.1
Chloromethane	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9				1.9	U	1.9	9.7	U	9.7				9.7	U	9.7
cis-1,2-Dichloroethene	**9.2**		1.0	1.0	U	1.0				1.0	U	1.0				1.0	U	1.0	**45**		5.0				**19**		5.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88				0.88	U	0.88	4.4	U	4.4				4.4	U	4.4
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47				0.47	U	0.47	2.3	U	2.3				2.3	U	2.3
Ethylbenzene	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92				0.92	U	0.92	4.6	U	4.6				**16**		4.6
m- &p-Xylene	**1.0**		0.92	0.92	U	0.92				0.92	U	0.92				0.92	U	0.92	**4.9**		4.6				**12**		4.6
Methyl tert-Butyl Ether	**1.4**		1.1	1.1	U	1.1				1.1	U	1.1				1.1	U	1.1	5.5	U	5.5				5.5	U	5.5
Methylene Chloride	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2				1.2	U	1.2	5.8	U	5.8				5.8	U	5.8
o-Xylene	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92				0.92	U	0.92	4.6	U	4.6				**54**		4.6
Styrene	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94				0.94	U	0.94	4.7	U	4.7				4.7	U	4.7
Tetrachloroethene	**4.8**		0.59	**7.7**		0.59				**40**		0.59				**41**		0.59	**6.2**		3.0				**100**		3.0
Toluene	**1.8**		1.1	**4.6**		1.1				**1.5**		1.1				**1.3**		1.1	**5.2**	J	5.3				**5.2**	J	5.3
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0				1.0	U	1.0	**6.2**		5.0				5.0	U	5.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88				0.88	U	0.88	4.4	U	4.4				4.4	U	4.4
Trichloroethene	**0.52**	J	0.74	**2.3**		0.74				**0.95**		0.74				**0.96**		0.74	**33**		3.7				**20**		3.7
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71				**0.48**	J	0.71				**0.49**	J	0.71	3.6	U	3.6				3.6	U	3.6
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52				0.52	U	0.52	2.6	U	2.6				2.6	U	2.6
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1				1.1	U	1.1	5.7	U	5.7				5.7	U	5.7
Vinyl Chloride	1.6	U	1.6	**1.4**	J	1.6				1.6	U	1.6				1.6	U	1.6	***20***		7.8				**66**		7.8

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW14-035			VW16-034			VW16-034			VW17-035			VW18-036			VWFD-18-036			VWFD-18-036			VW20-035			VW20-035		
Sample Number	WDI-VW14-35-07			WDI-VW16-34-07			WDI-VW16-34-07			WDI-VW17-35-07			WDI-VW18-36-07			WDI-VWFD-18-36-07			WDI-VWFD-18-36-07			WDI-VW20-35-07			WDI-VW20-35-07		
Sample Type	DUP			REG			DUP			REG			REG			REG			DUP			REG			DUP		
Sample Depth	35			34			34			35			36			36			36			35			35		
Sample Date	8/5/99			8/4/99			8/4/99			8/4/99			8/9/99			8/9/99			8/9/99			8/9/99			8/9/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901553-001DUP			P9901529-028			P9901529-028DUP			P9901529-029			P9901572-009			P9901572-010			P9901572-010DUP			P9901572-004			P9901572-004DUP		
Analysis Date	8/12/99			8/11/99			8/11/99			8/11/99			8/16/99			8/16/99			8/16/99			8/16/99			8/16/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)			1,000	**1.2**	U[1]	0.50				0.50	U	0.50	**7.7**		4.7	**6.3**		4.7	**7.1**		4.7	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**58**	J[1]	1.0	**2.2**	U[1]	1.0			1.0	**3.1**	U[1]	1.0	**10,000**		9.4	**9,700**		9.4	**9,800**		9.4	**6.8**		1.0	**6.9**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				**4.2**		0.73	**4.2**		0.73	**100**		0.73	92	U	92	92	U	92				0.73	U	0.73			
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	73	U	73	73	U	73				0.58	U	0.58			
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	92	U	92	92	U	92				0.73	U	0.73			
1,1-Dichloroethane				**1.2**		0.99	**1.2**		0.99	0.99	U	0.99	120	U	120	120	U	120				0.99	U	0.99			
1,1-Dichloroethene				**6.1**		1.0	**5.9**		1.0	**9.7**		1.0	130	U	130	130	U	130				1.0	U	1.0			
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	65	U	65	65	U	65				0.52	U	0.52			
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	83	U	83	83	U	83				0.67	U	0.67			
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	120	U	120	120	U	120				0.99	U	0.99			
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	110	U	110	110	U	110				0.87	U	0.87			
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	83	U	83	83	U	83				0.67	U	0.67			
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	83	U	83	83	U	83				0.67	U	0.67			
2-Butanone				**2.1**		1.4	**2.0**		1.4	**0.89**	J	1.4	170	U	170	170	U	170				1.4	U	1.4			
2-Hexanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	120	U	120	120	U	120				0.98	U	0.98			
4-Methyl-2-Pentanone				**1.0**		0.98	**0.98**		0.98	0.98	U	0.98	120	U	120	120	U	120				0.98	U	0.98			
Acetone				**5.0**		1.7	**4.9**		1.7	**3.6**		1.7	210	U	210	210	U	210				**6.4**		1.7			
Benzene				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	***570***		160	***590***		160				1.3	U	1.3			
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	75	U	75	75	U	75				0.60	U	0.60			
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	48	U	48	48	U	48				0.39	U	0.39			
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	130	U	130	130	U	130				1.0	U	1.0			
Carbon Disulfide				**5.5**		1.3	**5.6**		1.3	1.3	U	1.3	160	U	160	160	U	160				1.3	U	1.3			
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	80	U	80	80	U	80				0.64	U	0.64			
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	110	U	110	110	U	110				0.87	U	0.87			
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	190	U	190	190	U	190				1.5	U	1.5			
Chloroform				**1.5**		0.82	**1.5**		0.82	**0.97**		0.82	100	U	100	100	U	100				0.82	U	0.82			
Chloromethane				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	240	U	240	240	U	240				1.9	U	1.9			
cis-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	130	U	130	130	U	130				1.0	U	1.0			
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	110	U	110	110	U	110				0.88	U	0.88			
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	59	U	59	59	U	59				0.47	U	0.47			
Ethylbenzene				**0.59**	J	0.92	**0.54**	J	0.92	0.92	U	0.92	120	U	120	120	U	120				0.92	U	0.92			
m- &p-Xylene				**2.0**		0.92	**2.0**		0.92	**0.84**	J	0.92	**240**		120	**230**		120				**1.5**		0.92			
Methyl tert-Butyl Ether				**9.0**		1.1	**9.0**		1.1	**4.6**		1.1	140	U	140	140	U	140				1.1	U	1.1			
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	140	U	140	140	U	140				1.2	U	1.2			
o-Xylene				**0.72**	J	0.92	**0.71**	J	0.92	0.92	U	0.92	120	U	120	120	U	120				0.92	U	0.92			
Styrene				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	120	U	120	120	U	120				0.94	U	0.94			
Tetrachloroethene				**3.9**		0.59	**4.0**		0.59	**21**		0.59	74	U	74	74	U	74				**110**		0.59			
Toluene				**6.1**		1.1	**6.1**		1.1	**1.3**		1.1	130	U	130	130	U	130				**2.2**		1.1			
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	130	U	130	130	U	130				1.0	U	1.0			
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	110	U	110	110	U	110				0.88	U	0.88			
Trichloroethene				**110**		0.74	**110**		0.74	**13**		0.74	93	U	93	93	U	93				**4.4**		0.74			
Trichlorofluoromethane				**1.3**		0.71	**1.3**		0.71	**1.3**		0.71	89	U	89	89	U	89				0.71	U	0.71			
Trichlorotrifluoroethane				0.52	U	0.52	0.52	U	0.52	**0.35**	J	0.52	65	U	65	65	U	65				0.52	U	0.52			
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	140	U	140	140	U	140				1.1	U	1.1			
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	200	U	200	200	U	200				1.6	U	1.6			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW21-036			VW22-035			VWFD22-035			VW23-036			VW23-036			VWFD23-036			VW24-035			VW25-035			VW26-035		
Sample Number	WDI-VW21-36-07			WDI-VW22-35-07			WDI-VWFD22-35-07			WDI-VW23-36-07			WDI-VW23-36-07			WDI-VWFD23-36-07			WDI-VW24-35-07			WDI-VW25-35-07			WDI-VW26-35-07		
Sample Type	REG			REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth	36			35			35			36			36			36			35			35			35		
Sample Date	8/9/99			8/11/99			8/11/99			8/10/99			8/10/99			8/10/99			8/10/99			8/11/99			8/4/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901572-005			P9901579-010			P9901579-011			P9901573-007			P9901573-007DUP			P9901573-008			P9901573-012			P9901587-015			P9901537-005		
Analysis Date	8/16/99			8/18/99			8/18/99			8/17/99			8/23/99			8/17/99			8/17/99			8/24/99			8/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.92**		0.50	0.50	U	0.50	0.50	U	0.50	**1,000**		0.50				**990**		0.50	0.50	U	0.50	**151,000**		1,000	0.50	U	0.50
Total Nonmethane (ppmv)	**9.1**		1.0	**7.8**		1.0	**6.9**		1.0	**18**		1.0				**18**		1.0	**9.6**		1.0	**3,900**		9.4	**5.5**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**0.98**		0.73	18	U	18	18	U	18	**1.1**		0.73	**1.2**		0.73	**1.2**		0.73	0.73	U	0.73	37	U	37	**0.77**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	15	U	15	15	U	15	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	29	U	29	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	18	U	18	18	U	18	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	37	U	37	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	25	U	25	25	U	25	**14**		0.99	**14**		0.99	**15**		0.99	0.99	U	0.99	49	U	49	**3.3**		0.99
1,1-Dichloroethene	1.0	U	1.0	25	U	25	25	U	25	**23**		1.0	**23**		1.0	**25**		1.0	1.0	U	1.0	50	U	50	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	13	U	13	13	U	13	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	26	U	26	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	17	U	17	17	U	17	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	25	U	25	25	U	25	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	49	U	49	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	22	U	22	22	U	22	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	43	U	43	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	17	U	17	17	U	17	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	17	U	17	17	U	17	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	33	U	33	0.67	U	0.67
2-Butanone	1.4	U	1.4	34	U	34	34	U	34	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	68	U	68	**1.2**	J	1.4
2-Hexanone	0.98	U	0.98	24	U	24	24	U	24	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	49	U	49	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	24	U	24	24	U	24	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	49	U	49	0.98	U	0.98
Acetone	**6.0**		1.7	42	U	42	42	U	42	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	**3.4**		1.7	84	U	84	**5.6**		1.7
Benzene	1.3	U	1.3	31	U	31	31	U	31	**1.0**	J	1.3	**1.1**	J	1.3	**0.96**	J	1.3	1.3	U	1.3	63	U	63	1.3	U	1.3
Bromodichloromethane	**2.3**		0.60	15	U	15	15	U	15	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	30	U	30	0.60	U	0.60
Bromoform	0.39	U	0.39	9.7	U	9.7	9.7	U	9.7	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	19	U	19	0.39	U	0.39
Bromomethane	1.0	U	1.0	26	U	26	26	U	26	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	52	U	52	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	32	U	32	32	U	32	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	64	U	64	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	16	U	16	16	U	16	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	32	U	32	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	22	U	22	22	U	22	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	43	U	43	0.87	U	0.87
Chloroethane	1.5	U	1.5	38	U	38	38	U	38	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	76	U	76	1.5	U	1.5
Chloroform	**1.2**		0.82	20	U	20	20	U	20	**1.1**		0.82	**1.2**		0.82	**1.3**		0.82	0.82	U	0.82	41	U	41	**1.3**		0.82
Chloromethane	1.9	U	1.9	48	U	48	48	U	48	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	97	U	97	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	25	U	25	25	U	25	**110**		1.0	**120**		1.0	**120**		1.0	1.0	U	1.0	**76**		50	**280**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	22	U	22	22	U	22	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	44	U	44	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	12	U	12	12	U	12	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	23	U	23	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	23	U	23	23	U	23	**1.3**		0.92	**1.4**		0.92	**1.2**		0.92	**0.97**		0.92	46	U	46	0.92	U	0.92
m- &p-Xylene	**2.1**		0.92	23	U	23	23	U	23	**5.5**		0.92	**5.4**		0.92	**4.9**		0.92	**3.8**		0.92	46	U	46	**0.63**	J	0.92
Methyl tert-Butyl Ether	**0.90**	J	1.1	28	U	28	28	U	28	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**1.5**		1.1	55	U	55	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	29	U	29	29	U	29	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	58	U	58	1.2	U	1.2
o-Xylene	0.92	U	0.92	23	U	23	23	U	23	**2.1**		0.92	**2.0**		0.92	**1.7**		0.92	**1.3**		0.92	46	U	46	0.92	U	0.92
Styrene	0.94	U	0.94	23	U	23	23	U	23	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	47	U	47	0.94	U	0.94
Tetrachloroethene	**17**		0.59	**160**		15	**170**		15	**60**		0.59	**59**		0.59	**61**		0.59	**9.5**		0.59	30	U	30	**18**		0.59
Toluene	**2.6**		1.1	27	U	27	27	U	27	**5.4**		1.1	**5.3**		1.1	**4.5**		1.1	**3.8**		1.1	53	U	53	**1.0**	J	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	25	U	25	25	U	25	**25**		1.0	**25**		1.0	**27**		1.0	1.0	U	1.0	50	U	50	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	22	U	22	22	U	22	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	44	U	44	0.88	U	0.88
Trichloroethene	**270**		0.74	***1,800***		19	***1,900***		19	***650***		0.74	***630***		0.74	***680***		0.74	**14**		0.74	37	U	37	**22**		0.74
Trichlorofluoromethane	0.71	U	0.71	18	U	18	18	U	18	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	36	U	36	**1.2**		0.71
Trichlorotrifluoroethane	0.52	U	0.52	13	U	13	13	U	13	**0.47**	J	0.52	**0.44**	J	0.52	**0.47**	J	0.52	0.52	U	0.52	26	U	26	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	28	U	28	28	U	28	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	57	U	57	**1.3**		1.1
Vinyl Chloride	1.6	U	1.6	39	U	39	39	U	39	***17***		1.6	***18***		1.6	***19***		1.6	1.6	U	1.6	78	U	78	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW27-06			VW27-019			VW27-019			VW27-033			VW28-010			VW28-025			VW28-025			VW29-010			VWFD29-010		
Sample Number	WDI-VW27-06-07			WDI-VW27-19-07			WDI-VW27-19-07			WDI-VW27-33-07			WDI-VW28-10-07			WDI-VW28-25-07			WDI-VW28-25-07			WDI-VW29-10-07			WDI-VWFD-29-10-07		
Sample Type	REG			REG			DUP			REG			REG			REG			DUP			REG			REG		
Sample Depth	6			19			19			33			10			25			25			10			10		
Sample Date	8/2/99			8/2/99			8/2/99			8/2/99			8/3/99			8/3/99			8/3/99			8/3/99			8/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901520-001			P9901520-002			P9901520-002DUP			P9901520-003			P9901529-011			P9901529-012			P9901529-012DUP			P9901529-007			P9901529-010		
Analysis Date	8/4/99			8/4/99			8/4/99			8/4/99			8/6/99			8/6/99			8/6/99			8/6/99			8/6/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.76**		0.50	0.50	U	0.50	0.50	U	0.50	**6.5**		0.50	0.50	U	0.50	0.50	U	0.50				0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**3.0**		1.0	**9.9**		1.0	**9.1**		1.0	**11**		1.0	**1.8**	U[1]	1.0	**3.4**	U[1]	1.0				**1.9**	U[1]	1.0	**1.7**	U[1]	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**0.61**	J	0.73	**0.67**	J	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**7.2**		1.4	**5.6**		1.4				**6.6**		1.4	**4.8**		1.4	**4.5**		1.4	**4.7**		1.4	**6.2**	J[1]	1.4	**9.1**	J[1]	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**4.7**		1.7	**2.4**		1.7				**2.7**		1.7	**2.7**		1.7	**2.9**		1.7	**2.7**		1.7	**5.6**	J[1]	1.7	**8.6**	J[1]	1.7
Benzene	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	**0.70**	J	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**2.0**		1.3	1.3	U	1.3				**0.91**	J	1.3	**1.0**	J	1.3	**1.6**		1.3	**1.0**	J	1.3	1.3	U	1.3	**2.4**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	**1.0**		0.82	**0.92**		0.82	**0.99**		0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**0.77**	J	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	J[1]	0.92	**2.2**	J[1]	0.92
m- &p-Xylene	**3.9**		0.92	**2.6**		0.92				**2.6**		0.92	**2.7**		0.92	**2.5**		0.92	**2.6**		0.92	**1.8**	J[1]	0.92	**7.7**	J[1]	0.92
Methyl tert-Butyl Ether	**2.4**		1.1	**1.1**		1.1				**0.86**	J	1.1	**0.97**	J	1.1	**1.1**		1.1	**1.0**	J	1.1	**1.6**		1.1	**2.2**		1.1
Methylene Chloride	**1.0**	J	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**2.7**		0.92	**1.8**		0.92				**1.8**		0.92	**1.9**		0.92	**1.7**		0.92	**1.9**		0.92	**0.84**	J[1]	0.92	**3.6**	J[1]	0.92
Styrene	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**0.84**		0.59	**1.0**		0.59				0.59	U	0.59	**8.8**		0.59	**21**		0.59	**8.8**		0.59	**10**	J[1]	0.59	**2.4**	J[1]	0.59
Toluene	**2.8**		1.1	**1.6**		1.1				**2.0**		1.1	**1.6**		1.1	**1.5**		1.1	**1.5**		1.1	**6.1**	J[1]	1.1	**11**	J[1]	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74				0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.50**	J	0.71	0.71	U	0.71				0.71	U	0.71	**0.53**	J	0.71	**0.69**	J	0.71	**0.51**	J	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	**6.4**		0.52	**16**		0.52	**6.4**		0.52	**2.1**		0.52	**2.1**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.

Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.

Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW29-023			VW29-035			VW30-07			VWFD30-07			VW30-023			VW30-035			VW30-035			VW31-010			VW31-030		
Sample Number	WDI-VW29-23-07			WDI-VW29-35-07			WDI-VW30-07-07			WDI-VWFD30-07-07			WDI-VW30-23-07			WDI-VW30-35-07			WDI-VW30-35-07			WDI-VW31-10-07			WDI-VW31-30-07		
Sample Type	REG			REG			REG			REG			REG			REG			DUP			REG			REG		
Sample Depth	23			35			7			7			23			35			35			10			30		
Sample Date	8/3/99			8/3/99			8/11/99			8/11/99			8/11/99			8/11/99			8/11/99			8/12/99			8/12/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901529-008			P9901529-009			P9901587-008			P9901587-011			P9901587-009			P9901587-010			P9901587-010DUP			P9901588-008			P9901588-009		
Analysis Date	8/6/99			8/6/99			8/24/99			8/24/99			8/24/99			8/24/99			8/24/99			9/9/99			9/9/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**0.67**	U[1]	0.50	**1.5**		0.50	**1.4**		0.50	**1.9**		0.50	**15**		0.50	**15**		0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**1.8**	U[1]	1.0	**5.3**	U[1]	1.0	**5.5**		1.0	**5.9**		1.0	**6.3**		1.0	**9.5**		1.0	**10**		1.0	**3.6**		1.0	**6.8**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	**17**		0.73	**17**		0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	**0.76**		0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
2-Butanone	**5.5**		1.4	**8.0**		1.4	**2.8**	J[1]	1.4	1.4	J[1]	1.4	1.4	U	1.4	**2.4**		1.4				**2.3**		1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**0.67**	J	0.98				0.98	U	0.98	0.98	U	0.98
Acetone	**3.6**		1.7	**3.8**		1.7	**11**	J[1]	1.7	**4.8**	J[1]	1.7	1.7	U	1.7	1.7	U	1.7				**9.2**		1.7	**3.5**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**1.0**	J	1.3	**1.3**	J	1.3	**2.4**		1.3	**2.3**		1.3	**2.8**		1.3	**3.9**		1.3				**12**		1.3	**10**	J[1]	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	**10**		0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	**1.1**		0.92	**1.5**		0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**3.0**		0.92	**3.1**		0.92	**4.2**	J[1]	0.92	**6.2**	J[1]	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	**0.86**	J	1.1	**0.92**	J	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2
o-Xylene	**2.1**		0.92	**2.3**		0.92	**1.2**		0.92	**1.7**		0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**6.1**		0.59	**16**		0.59	**8.2**	J[1]	0.59	**3.5**	J[1]	0.59	**190**		0.59	**220**		0.59				**16**		0.59	**38**		0.59
Toluene	**1.6**		1.1	**2.1**		1.1	**4.0**		1.1	**5.1**		1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	**0.66**	J	0.74	**2.7**	J[1]	0.74	0.74	J[1]	0.74	**3.2**		0.74	**5.0**		0.74				0.74	U	0.74	**4.2**		0.74
Trichlorofluoromethane	**0.73**		0.71	**1.1**		0.71	**0.61**	J	0.71	**0.60**	J	0.71	0.71	U	0.71	0.71	U	0.71				**0.68**	J	0.71	**0.87**		0.71
Trichlorotrifluoroethane	**6.4**		0.52	**13**		0.52	0.52	U	0.52	0.52	U	0.52	**1.6**		0.52	**1.8**		0.52				**0.37**	J	0.52	**0.92**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VWFD31-030			VWFD31-030			VWFD31-030			VW32-08			VW32-018			VW32-035			VW33-010			VW33-010			VW33-035		
Sample Number	WDI-VWFD31-30-07			WDI-VWFD31-30-07			WDI-VWFD31-30-07			WDI-VW32-08-07			WDI-VW32-18-07			WDI-VW32-35-07			WDI-VW33-10-07			WDI-VW33-10-07			WDI-VW33-35-07		
Sample Type	REG			DUP			DUP			REG			REG			REG			REG			DUP			REG		
Sample Depth	30			30			30			8			18			35			10			10			35		
Sample Date	8/12/99			8/12/99			8/12/99			8/12/99			8/12/99			8/12/99			8/11/99			8/11/99			8/11/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901588-010			P9901588-010DUP			P9901588-010DUP			P9901588-001			P9901588-002			P9901588-003			P9901579-002			P9901579-002DUP			P9901579-003		
Analysis Date	9/9/99			9/11/99			9/9/99			9/9/99			9/9/99			9/9/99			8/18/99			8/25/99			8/18/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				0.50	U	0.50	**1.4**		0.50	0.50	U	0.50	0.50	U	0.50	**0.86**		0.50				**1.2**		0.50
Total Nonmethane (ppmv)	**6.6**		1.0				**6.6**		1.0	1.0	U	1.0	**16**		1.0	**5.0**		1.0	**5.9**		1.0				**7.6**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73				**1.4**		0.73	**5.2**		0.73	**5.8**		0.73	**5.4**		0.73	**5.5**		0.73	**3.0**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	**0.72**	J	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4				**1.2**	J	1.4	**7.8**		1.4	1.4	U	1.4	**1.6**		1.4	**1.7**		1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**2.7**		1.7	**2.5**		1.7				1.7	U	1.7	**14**		1.7	**4.7**		1.7	**4.8**		1.7	**5.0**		1.7	**7.2**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	J^1	1.3	1.3	J^1	1.3				***6.8***		1.3	***10***		1.3	***20***		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	**1.2**		0.82	0.82	U	0.82	0.82	U	0.82	**4.3**		0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**1.7**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**0.82**	J	0.92	**0.79**	J	0.92	0.92	U	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92				**0.72**	J	0.92	**1.6**		0.92	0.92	U	0.92	**3.2**		0.92	**3.1**		0.92	**1.7**		0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	**1.8**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	**0.60**	J	0.92	0.92	U	0.92	**0.94**		0.92	**0.91**	J	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**38**		0.59	**38**		0.59				**0.56**	J	0.59	**1.2**		0.59	**2.7**		0.59	**1.6**		0.59	**1.6**		0.59	**15**		0.59
Toluene	1.1	U	1.1	1.1	U	1.1				**0.88**	J	1.1	**1.3**		1.1	1.1	U	1.1	**3.3**		1.1	**3.2**		1.1	**1.6**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**4.2**		0.74	**4.2**		0.74				0.74	U	0.74	0.74	U	0.74	**1.2**		0.74	0.74	U	0.74	0.74	U	0.74	**200**		0.74
Trichlorofluoromethane	**0.89**		0.71	**0.87**		0.71				0.71	U	0.71	**0.84**		0.71	**0.95**		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	**0.97**		0.52	**0.92**		0.52				0.52	U	0.52	**0.92**		0.52	**1.3**		0.52	0.52	U	0.52	0.52	U	0.52	**0.63**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW34-010			VWFD34-010			VW34-023			VW34-023			VW34-040			VW35-010			VW35-010			VW35-038			VW36-010		
Sample Number	WDI-VW34-10-07			WDI-VWFD-34-10-07			WDI-VW34-23-07			WDI-VW34-23-07			WDI-VW34-40-07			WDI-VW35-10-07			WDI-VW35-10-07			WDI-VW35-38-07			WDI-VW36-10-07		
Sample Type	REG			REG			REG			DUP			REG			REG			DUP			REG			REG		
Sample Depth	10			10			23			23			40			10			10			38			10		
Sample Date	8/3/99			8/3/99			8/3/99			8/3/99			8/3/99			8/4/99			8/4/99			8/4/99			8/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901520-009			P9901520-012			P9901520-010			P9901520-010DUP			P9901520-011			P9901529-019			P9901529-019DUP			P9901529-020			P9901529-005		
Analysis Date	8/4/99			8/4/99			8/4/99			8/4/99			8/4/99			8/11/99			8/11/99			8/11/99			8/6/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**0.80**		0.50	0.50	U	0.50	0.50	U	0.50	**0.74**		0.50	0.50	U	0.50				**3.5**	U^1	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	***6.4***		*1.0*	**5.8**		*1.0*	**7.2**		*1.0*	***7.6***		*1.0*	***9.2***		*1.0*	**2.8**		*1.0*				**7.8**		*1.0*	**2.3**	U^1	*1.0*
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**2.9**		0.73	**2.9**		0.73	**0.64**	J	0.73				0.73	U	0.73	**7.3**		0.73	**7.3**		0.73	**3.8**		0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	**1.3**		0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**10**	J^1	*1.4*	**14**	J^1	*1.4*	**31**		*1.4*				**13**		*1.4*	**3.7**		*1.4*	**3.9**		*1.4*	**6.7**		*1.4*	**9.3**		*1.4*
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	**5.3**		0.98	0.98	U	0.98
Acetone	**3.9**		1.7	**3.9**		1.7	**2.7**		1.7				**3.1**		1.7	**4.3**		1.7	**4.5**		1.7	**6.3**		1.7	**7.8**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**1.2**	J	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**5.1**	J^1	1.3	**1.8**	J^1	1.3	**1.3**		1.3				**2.0**		1.3	**1.5**		1.3	**1.5**		1.3	**2.0**		1.3	**5.8**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	**1.6**		0.82				**2.6**		0.82	0.82	U	0.82	0.82	U	0.82	**31**		0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**0.83**	J	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**0.76**	J	0.92	**1.2**		0.92	**0.83**	J	0.92				**0.80**	J	0.92	0.92	U	0.92	0.92	U	0.92	**1.7**		0.92	**0.79**	J	0.92
m- &p-Xylene	**3.7**	J^1	0.92	**5.9**	J^1	0.92	**4.1**		0.92				**3.9**		0.92	**2.0**		0.92	**2.1**		0.92	**7.1**		0.92	**3.8**		0.92
Methyl tert-Butyl Ether	**5.1**		1.1	**4.8**		1.1	**2.7**		1.1				**4.0**		1.1	**4.3**		1.1	**4.5**		1.1	**6.9**		1.1	**4.2**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**2.5**	J^1	0.92	**4.0**	J^1	0.92	**2.9**		0.92				**2.6**		0.92	**1.4**		0.92	**1.4**		0.92	**3.2**		0.92	**2.5**		0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**2.9**		*0.59*	**2.8**		*0.59*	**7.6**		*0.59*				**8.9**		*0.59*	**4.4**		*0.59*	**4.4**		*0.59*	**47**		*0.59*	**1.2**		*0.59*
Toluene	**3.0**	J^1	1.1	**4.1**	J^1	1.1	**3.2**		1.1				**3.0**		1.1	**1.3**		1.1	**1.3**		1.1	**9.9**		1.1	**3.0**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74				**4.3**		0.74	**38**		0.74	**38**		0.74	***850***		0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71				0.71	U	0.71	**0.73**		0.71	**0.75**		0.71	**0.92**		0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**1.2**		0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW36-030			VW36-030			VW37-010			VW37-030			VW38-010			VW38-034			VW38-034			VW39-07			VW39-07		
Sample Number	WDI-VW36-30-07			WDI-VW36-30-07			WDI-VW37-10-07			WDI-VW37-30-07			WDI-VW38-10-07			WDI-VW38-34-07			WDI-VW38-34-07			WDI-VW39-07-07			WDI-VW39-07-07		
Sample Type	REG			DUP			REG			REG			REG			REG			DUP			REG			DUP		
Sample Depth	30			30			10			30			10			34			34			7			7		
Sample Date	8/3/99			8/3/99			8/3/99			8/3/99			8/3/99			8/3/99			8/3/99			8/3/99			8/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901529-006			P9901529-006DUP			P9901529-003			P9901529-004			P9901520-013			P9901520-014			P9901520-014DUP			P9901529-001			P9901529-001DUP		
Analysis Date	8/6/99			8/6/99			8/6/99			8/6/99			8/4/99			8/5/99			8/4/99			8/4/99			8/6/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	**1.0**	U[1]	0.50	0.50	U	0.50	0.50	U	0.50	**53**		0.50				**0.76**		0.50			
Total Nonmethane (ppmv)	**6.3**	U[1]	1.0	**6.8**	U[1]	1.0	**1.5**	U[1]	1.0	**6.3**	U[1]	1.0	**4.1**		1.0	**43**		1.0				**3.0**	U[1]	1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73				**10**		0.73	0.73	U	0.73	**1.8**		0.73	0.73	U	0.73	0.73	U	0.73	**2.6**		0.73	**2.6**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**7.8**		1.4				**18**		1.4	**7.7**		1.4	**8.7**		1.4	**6.9**		1.4	**6.9**		1.4	**5.5**		1.4	**6.0**		1.4
2-Hexanone	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**7.3**		1.7				**9.9**		1.7	**2.7**		1.7	**2.2**		1.7	**3.7**		1.7	**3.8**		1.7	**4.1**		1.7	**3.9**		1.7
Benzene	1.3	U	1.3				**1.6**		1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	**0.43**	J	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**1.8**		1.3				**3.7**		1.3	**1.4**		1.3	**3.5**		1.3	**3.4**		1.3	**3.5**		1.3	**1.8**		1.3	**1.8**		1.3
Carbon Tetrachloride	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	**0.94**		0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**0.77**	J	1.0	**0.79**	J	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92				**1.1**		0.92	0.92	U	0.92	0.92	U	0.92	**0.69**	J	0.92	**0.74**	J	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**3.0**		0.92				**5.0**		0.92	**2.4**		0.92	**3.0**		0.92	**2.4**		0.92	**2.3**		0.92	**3.1**		0.92	**3.1**		0.92
Methyl tert-Butyl Ether	**9.1**		1.1				**7.0**		1.1	**1.8**		1.1	**2.4**		1.1	**2.0**		1.1	**2.1**		1.1	**1.7**		1.1	**1.7**		1.1
Methylene Chloride	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**2.1**		0.92				**3.0**		0.92	**1.7**		0.92	**2.1**		0.92	**3.3**		0.92	**3.2**		0.92	**2.2**		0.92	**2.2**		0.92
Styrene	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**4.1**		0.59				**0.55**	J	0.59	**4.4**		0.59	**1.4**		0.59	**5.6**		0.59	**5.5**		0.59	**12**		0.59	**12**		0.59
Toluene	**2.0**		1.1				**6.3**		1.1	**1.9**		1.1	**2.2**		1.1	**2.5**		1.1	**2.4**		1.1	**2.2**		1.1	**2.2**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74				0.74	U	0.74	**1.1**		0.74	0.74	U	0.74	**2.2**		0.74	**2.3**		0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.62**	J	0.71				0.71	U	0.71	0.71	U	0.71	**1.1**		0.71	0.71	U	0.71	0.71	U	0.71	**0.95**		0.71	**0.93**		0.71
Trichlorotrifluoroethane	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW39-030			VW40-010			VW40-010			VW40-025			VW41-07			VW41-07			VW41-020			VW42-010			VW42-030		
Sample Number	WDI-VW39-30-07			WDI-VW40-10-07			WDI-VW40-10-07			WDI-VW40-25-07			WDI-VW41-07-07			WDI-VW41-07-07			WDI-VW41-20-07			WDI-VW42-10-07			WDI-VW42-30-07		
Sample Type	REG			REG			DUP			REG			REG			DUP			REG			REG			REG		
Sample Depth	30			10			10			25			7			7			20			10			30		
Sample Date	8/3/99			8/2/99			8/2/99			8/2/99			8/4/99			8/4/99			8/4/99			8/3/99			8/3/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901529-002			P9901520-004			P9901520-004DUP			P9901520-005			P9901537-001			P9901537-001DUP			P9901537-002			P9901529-013			P9901529-014		
Analysis Date	8/6/99			8/4/99			8/4/99			8/4/99			8/12/99			8/16/99			8/12/99			8/4/99			8/6/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**8,870**		1,000	**8,930**		1,000	0.50	U	0.50	**0.75**		0.50				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**5.6**	U[1]	1.0	1.0	U	1.0				**6.2**		1.0	**2.1**		1.0				**3.5**		1.0	**4.1**	U[1]	1.0	**7.9**	U[1]	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**1.5**		0.73	**6.1**		0.73	**6.0**		0.73	**1.4**		0.73	**5.8**		1.2	**5.6**		1.2	**7.4**		0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.97	U	0.97	0.97	U	0.97	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	1.2	U	1.2	1.2	U	1.2	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	1.6	U	1.6	1.6	U	1.6	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.7	U	1.7	1.7	U	1.7	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.87	U	0.87	0.87	U	0.87	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.1	U	1.1	1.1	U	1.1	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	1.6	U	1.6	1.6	U	1.6	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	1.4	U	1.4	1.4	U	1.4	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.1	U	1.1	1.1	U	1.1	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.1	U	1.1	1.1	U	1.1	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**3.9**		1.4	**9.1**		1.4	**9.0**		1.4	**17**		1.4	2.3	U	2.3	2.3	U	2.3	**2.9**		1.4	**4.5**		1.4	**5.3**		1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	1.6	U	1.6	1.6	U	1.6	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	1.6	U	1.6	1.6	U	1.6	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**2.5**		1.7	1.7	U	1.7	1.7	U	1.7	**1.8**		1.7	**4.5**		2.8	**4.0**		2.8	**8.1**		1.7	**8.5**		1.7	**9.5**		1.7
Benzene	1.3	U	1.3	**19**		1.3	**19**		1.3	1.3	U	1.3	2.1	U	2.1	2.1	U	2.1	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	1.0	U	1.0	1.0	U	1.0	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.65	U	0.65	0.65	U	0.65	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.7	U	1.7	1.7	U	1.7	**0.71**	J	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**0.91**	J	1.3	**3.0**		1.3	**3.0**		1.3	**1.3**		1.3	**3.3**		2.1	**2.9**		2.1	1.3	U	1.3	**1.4**		1.3	**1.1**	J	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	1.1	UJ	1.1	1.1	UJ	1.1	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	1.4	U	1.4	1.4	U	1.4	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	2.5	U	2.5	2.5	U	2.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	1.4	U	1.4	1.4	U	1.4	0.82	U	0.82	**0.87**		0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	3.2	U	3.2	3.2	U	3.2	**5.7**		1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	**1.4**		1.0	**1.4**		1.0	1.0	U	1.0	1.7	U	1.7	1.7	U	1.7	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	1.5	U	1.5	1.5	U	1.5	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.78	U	0.78	0.78	U	0.78	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	**1.5**		0.92	**1.4**		0.92	**0.70**	J	0.92	1.5	U	1.5	1.5	U	1.5	0.92	U	0.92	**0.64**	J	0.92	**0.68**	J	0.92
m- &p-Xylene	**2.2**		0.92	**5.6**		0.92	**5.5**		0.92	**3.5**		0.92	1.5	U	1.5	1.5	U	1.5	**0.93**		0.92	**3.3**		0.92	**3.6**		0.92
Methyl tert-Butyl Ether	**1.2**		1.1	**2.9**		1.1	**2.9**		1.1	**1.4**		1.1	1.8	U	1.8	1.8	U	1.8	1.1	U	1.1	**0.95**	J	1.1	**1.0**	J	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.9	U	1.9	1.9	U	1.9	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**1.4**		0.92	**3.0**		0.92	**3.1**		0.92	**2.5**		0.92	1.5	U	1.5	1.5	U	1.5	0.92	U	0.92	**2.3**		0.92	**2.5**		0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	1.6	U	1.6	1.6	U	1.6	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**11**		0.59	**4.4**		0.59	**4.5**		0.59	**110**		0.59	**68**		0.98	**69**		0.98	**19**		0.59	**7.0**		0.59	**8.8**		0.59
Toluene	**1.8**		1.1	**3.7**		1.1	**3.7**		1.1	**2.5**		1.1	**1.3**	J	1.8	**1.3**	J	1.8	**1.7**		1.1	**1.8**		1.1	**1.9**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.7	U	1.7	1.7	U	1.7	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	1.5	U	1.5	1.5	U	1.5	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**2.8**		0.74	1.2	U	1.2	1.2	U	1.2	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.70**	J	0.71	**2.0**		0.71	**2.0**		0.71	**5.1**		0.71	1.2	U	1.2	1.2	U	1.2	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**1.9**		0.52	0.87	U	0.87	0.87	U	0.87	0.52	U	0.52	0.52	U	0.52	**0.72**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.9	U	1.9	1.9	U	1.9	**0.96**	J	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	2.6	U	2.6	2.6	U	2.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW43-09			VW43-019			VW43-019			VW43-032			VW43-032			VW44-07			VW44-07			VW44-016			VW44-030		
Sample Number	WDI-VW43-09-07			WDI-VW43-19-07			WDI-VW43-19-07			WDI-VW43-32-07			WDI-VW43-32-07			WDI-VW44-07-07			WDI-VWFD-44-07-07			WDI-VW44-16-07			WDI-VW44-30-07		
Sample Type	REG			REG			DUP			REG			DUP			REG			REG			REG			REG		
Sample Depth	9			19			19			32			32			7			7			16			30		
Sample Date	8/11/99			8/11/99			8/11/99			8/11/99			8/11/99			8/4/99			8/4/99			8/4/99			8/4/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901587-012			P9901587-013			P9901587-013DUP			P9901587-014			P9901587-013DUP			P9901529-021			P9901529-024			P9901529-022			P9901529-023		
Analysis Date	8/24/99			8/24/99			8/24/99			8/24/99			9/4/99			8/11/99			8/11/99			8/11/99			8/11/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**50**		0.50	***22,000***		1,000	***21,900***		1,000	***16,300***		1,000				**9,900**		1,000	**9,830**		1,000	**6.2**	U^1	0.50	**16**		0.50
Total Nonmethane (ppmv)	**4.1**		1.0	**190**		1.0				**120**		1.0				**3.7**	U^1	1.0	**1.9**	U^1	1.0	**3.0**	U^1	1.0	**11**	U^1	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	7.3	U	7.3				7.3	U	7.3	7.3	U	7.3	**0.59**	J	0.73	**0.63**	J	0.73	**85**		0.73	**310**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	5.8	U	5.8				5.8	U	5.8	5.8	U	5.8	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	7.3	U	7.3				7.3	U	7.3	7.3	U	7.3	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	9.9	U	9.9				9.9	U	9.9	9.9	U	9.9	**1.4**		0.99	0.99	U	0.99	**8.9**		0.99	**46**		0.99
1,1-Dichloroethene	1.0	U	1.0	10	U	10				10	U	10	10	U	10	1.0	U	1.0	1.0	U	1.0	**9.3**		1.0	**9.0**		1.0
1,2-Dibromoethane	0.52	U	0.52	5.2	U	5.2				5.2	U	5.2	5.2	U	5.2	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	**12**		6.7				**18**		6.7	**12**		6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	9.9	U	9.9				9.9	U	9.9	9.9	U	9.9	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	8.7	U	8.7				8.7	U	8.7	8.7	U	8.7	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	**2.9**		0.87
1,3-Dichlorobenzene	0.67	U	0.67	6.7	U	6.7				6.7	U	6.7	6.7	U	6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	**4.6**	J	6.7				**5.8**	J	6.7	**4.9**		6.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**1.0**	J	1.4	14	U	14				14	U	14	14	U	14	**7.5**	J^1	1.4	**5.2**	J^1	1.4	**1.1**	J	1.4	**1.9**		1.4
2-Hexanone	0.98	U	0.98	9.8	U	9.8				9.8	U	9.8	9.8	U	9.8	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	9.8	U	9.8				9.8	U	9.8	9.8	U	9.8	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**5.0**		1.7	17	U	17				17	U	17	17	U	17	**23**	J^1	1.7	**14**	J^1	1.7	**5.5**		1.7	1.7	U	1.7
Benzene	1.3	U	1.3	13	U	13				**9.9**	J	13	13	U	13	**4.2**		1.3	**3.9**		1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	6.0	U	6.0				6.0	U	6.0	6.0	U	6.0	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	3.9	U	3.9				3.9	U	3.9	3.9	U	3.9	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	10	U	10				10	U	10	10	U	10	**1.1**		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**6.6**		1.3	13	U	13				13	U	13	13	U	13	**3.5**		1.3	**2.6**		1.3	**2.9**		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	6.4	U	6.4				6.4	U	6.4	6.4	U	6.4	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	**13**		8.7				**10**		8.7	**12**		8.7	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	15	U	15				15	U	15	15	U	15	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	8.2	U	8.2				8.2	U	8.2	8.2	U	8.2	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	19	U	19				19	U	19	19	U	19	**2.6**		1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	**87**		10				**180**		10	**84**		10	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	8.8	U	8.8				8.8	U	8.8	8.8	U	8.8	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	4.7	U	4.7				4.7	U	4.7	4.7	U	4.7	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	9.2	U	9.2				9.2	U	9.2	9.2	U	9.2	**2.8**	J^1	0.92	**1.3**	J^1	0.92	0.92	U	0.92	**0.71**	J	0.92
m- &p-Xylene	0.92	U	0.92	9.2	U	9.2				9.2	U	9.2	9.2	U	9.2	**10**	J^1	0.92	**4.9**	J^1	0.92	**1.3**		0.92	**3.0**		0.92
Methyl tert-Butyl Ether	1.1	U	1.1	11	U	11				11	U	11	11	U	11	1.1	U	1.1	1.1	U	1.1	**2.1**		1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	12	U	12				12	U	12	12	U	12	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	9.2	U	9.2				9.2	U	9.2	9.2	U	9.2	**6.2**	J^1	0.92	**3.5**	J^1	0.92	0.92	U	0.92	**1.6**		0.92
Styrene	0.94	U	0.94	9.4	U	9.4				9.4	U	9.4	9.4	U	9.4	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**23**		0.59	5.9	U	5.9				**3.9**	J	5.9	5.9	U	5.9	**2.3**		0.59	**1.9**		0.59	0.59	U	0.59	**2.4**		0.59
Toluene	1.1	U	1.1	11	U	11				11	U	11	11	U	11	**11**	J^1	1.1	**7.8**	J^1	1.1	**2.2**		1.1	**3.0**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	10	U	10				10	U	10	10	U	10	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	8.8	U	8.8				8.8	U	8.8	8.8	U	8.8	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**9.3**		0.74	7.4	U	7.4				7.4	U	7.4	7.4	U	7.4	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	7.1	U	7.1				7.1	U	7.1	7.1	U	7.1	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	5.2	U	5.2				5.2	U	5.2	5.2	U	5.2	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	**2.2**		1.1	11	U	11				11	U	11	11	U	11	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	***470***		16				***300***		16	***460***		16	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: *All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.*
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW44-030			VW45-013			VW45-013			VW45-022			VW45-030			VW46-07			VW46-07			VW46-015			VW46-015		
Sample Number	WDI-VW44-30-07			WDI-VW45-13-07			WDI-VW45-13-07			WDI-VW45-22-07			WDI-VW45-30-07			WDI-VW46-07-07			WDI-VW46-07-07			WDI-VW46-15-07			WDI-VW46-15-07		
Sample Type	DUP			REG			DUP			REG			REG			REG			DUP			REG			DUP		
Sample Depth	30			13			13			22			30			7			7			15			15		
Sample Date	8/4/99			8/3/99			8/3/99			8/3/99			8/3/99			8/6/99			8/6/99			8/6/99			8/6/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901529-023DUP			P9901529-015			P9901529-015DUP			P9901529-016			P9901529-017			P9901553-011			P9901553-011DUP			P9901553-012			P9901553-012DUP		
Analysis Date	8/11/99			8/6/99			8/6/99			8/11/99			8/11/99			8/13/99			8/13/99			8/13/99			8/19-20/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	16		0.50	***176,000***		1,000	***176,000***		1,000	***12,800***		1,000	***18,000***		1,000	***15,900***		1,000	***16,200***		1,000	0.50	U	0.50			
Total Nonmethane (ppmv)	11	U^1	1.0	45,000	U^1	9.4				26,000		9.4	610		1.0	30		1.0				7.4		1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				370	U	370				180	U	180	18	U	18	21		0.73				22		0.73	22		0.73
1,1,2,2-Tetrachloroethane				290	U	290				150	U	150	15	U	15	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				370	U	370				180	U	180	18	U	18	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				490	U	490				250	U	250	25	U	25	36		0.99				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene				500	U	500				250	U	250	25	U	25	3.2		1.0				1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane				260	U	260				130	U	130	13	U	13	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				330	U	330				170	U	170	17	U	17	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				490	U	490				250	U	250	25	U	25	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				430	U	430				220	U	220	22	U	22	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				330	U	330				170	U	170	17	U	17	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				330	U	330				170	U	170	17	U	17	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
2-Butanone				680	U	680				340	U	340	34	U	34	1.4	U	1.4				8.0		1.4	7.0		1.4
2-Hexanone				490	U	490				240	U	240	24	U	24	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				490	U	490				240	U	240	24	U	24	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
Acetone				840	U	840				420	U	420	42	U	42	1.7	U	1.7				16		1.7	15		1.7
Benzene				***28,000***		630				***2,200***		310	25	J	31	2.3		1.3				1.3	U	1.3	1.3	U	1.3
Bromodichloromethane				300	U	300				150	U	150	15	U	15	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60
Bromoform				190	U	190				97	U	97	9.7	U	9.7	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39
Bromomethane				520	U	520				260	U	260	26	U	26	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				640	U	640				320	U	320	32	U	32	8.3		1.3				1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride				320	U	320				160	U	160	16	U	16	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64
Chlorobenzene				430	U	430				220	U	220	22	U	22	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
Chloroethane				760	U	760				380	U	380	38	U	38	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5
Chloroform				410	U	410				200	U	200	20	U	20	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82
Chloromethane				970	U	970				480	U	480	48	U	48	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				490	J	500				330		250	25	U	25	7.4		1.0				1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane				440	U	440				220	U	220	22	U	22	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				230	U	230				120	U	120	12	U	12	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47
Ethylbenzene				5,900		460				4,100		230	23	U	23	4.1		0.92				0.92	U	0.92	0.92	U	0.92
m- &p-Xylene				***23,000***		460				***7,600***		230	23	U	23	8.2		0.92				0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether				550	U	550				280	U	280	28	U	28	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Methylene Chloride				580	U	580				290	U	290	29	U	29	0.90	J	1.2				1.2	U	1.2	1.2	U	1.2
o-Xylene				7,000		460				5,200		230	23	U	23	2.5		0.92				0.92	U	0.92	0.92	U	0.92
Styrene				470	U	470				230	U	230	23	U	23	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene				300	U	300				150	U	150	15	U	15	0.59	U	0.59				170		0.59	170		0.59
Toluene				***21,000***		530				2,800		270	27	U	27	4.6		1.1				6.0		1.1	5.9		1.1
trans-1,2-Dichloroethene				***2,600***		500				920		250	25	U	25	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene				440	U	440				220	U	220	22	U	22	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Trichloroethene				290	J	370				190	U	190	19	U	19	22		0.74				15		0.74	15		0.74
Trichlorofluoromethane				360	U	360				180	U	180	18	U	18	0.71	U	0.71				1.9		0.71	1.9		0.71
Trichlorotrifluoroethane				260	U	260				130	U	130	13	U	13	0.52	U	0.52				2.4		0.52	2.4		0.52
Vinyl Acetate				570	U	570				280	U	280	28	U	28	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Vinyl Chloride				***70,000***		780				***17,000***		390	***47***		39	1.2	J	1.6				1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW46-027			VW47-08			VW47-018			VW47-018			VWFD47-018			VW47-030			VW48-08			VW48-08			VW48-017		
Sample Number	WDI-VW46-27-07			WDI-VW47-08-07			WDI-VW47-18-07			WDI-VW47-18-07			WDI-VWFD47-18-07			WDI-VW47-30-07			WDI-VW48-08-07			WDI-VW48-08-07			WDI-VW48-17-07		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			DUP			REG		
Sample Depth	27			8			18			18			18			30			8			8			17		
Sample Date	8/6/99			8/5/99			8/5/99			8/5/99			8/5/99			8/5/99			8/6/99			8/6/99			8/6/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901553-013			P9901553-006			P9901553-007			P9901553-007DUP			P9901553-009			P9901553-008			P9901559-001			P9901559-001DUP			P9901559-002		
Analysis Date	8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/13/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	**1.4**		0.50	**5.5**		0.50	**5.3**		0.50	**5.4**		0.50	0.50	U	0.50	**184,000**		1,000				**530,000**		1,000
Total Nonmethane (ppmv)	**7.4**		1.0	1.0	U	1.0	**9.2**	J^1	1.0	**9.5**	J^1	1.0	**13**	J^1	1.0	**24**		1.0	**6,800**		9.4	**6,900**		9.4	**30,000**		9.4
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**2.7**		0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	37	U	37				730	U	730
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	29	U	29				580	U	580
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	37	U	37				730	U	730
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	49	U	49				990	U	990
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	50	U	50				1,000	U	1,000
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	26	U	26				520	U	520
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	33	U	33				670	U	670
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	49	U	49				990	U	990
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	43	U	43				870	U	870
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	33	U	33				670	U	670
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	33	U	33				670	U	670
2-Butanone	**5.1**		1.4	1.4	U	1.4	1.4	U	1.4				1.4	U	1.4	1.4	U	1.4	68	U	68				1,400	U	1,400
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	49	U	49				980	U	980
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	49	U	49				980	U	980
Acetone	**21**		1.7	**12**		1.7	***6.5***		1.7				**5.3**		1.7	**2.5**		1.7	84	U	84				1,700	U	1,700
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	**680**		63				**3,500**		1,300
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	30	U	30				600	U	600
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	19	U	19				390	U	390
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				**0.86**	J	1.0	**1.0**	J	1.0	52	U	52				1,000	U	1,000
Carbon Disulfide	1.3	U	1.3	**2.3**		1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	64	U	64				1,300	U	1,300
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	32	U	32				640	U	640
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	43	U	43				870	U	870
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	76	U	76				1,500	U	1,500
Chloroform	**0.88**		0.82	**0.61**	J	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	41	U	41				820	U	820
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	97	U	97				1,900	U	1,900
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	**79**		50				1,000	U	1,000
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	44	U	44				880	U	880
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	23	U	23				470	U	470
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	**49**		46				**4,800**		920
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	**51**		46				**4,300**		920
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	55	U	55				1,100	U	1,100
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	58	U	58				1,200	U	1,200
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	**42**	J	46				920	U	920
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	47	U	47				940	U	940
Tetrachloroethene	**210**		0.59	**1.5**		0.59	**7.7**		0.59				**7.8**		0.59	**27**		0.59	30	U	30				590	U	590
Toluene	1.1	U	1.1	**0.76**	J	1.1	1.1	U	1.1				**0.99**	J	1.1	1.1	U	1.1	**41**	J	53				1,100	U	1,100
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	50	U	50				1,000	U	1,000
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	44	U	44				880	U	880
Trichloroethene	**20**		0.74	**2.0**		0.74	**1.0**		0.74				**1.6**		0.74	**2.6**		0.74	37	U	37				740	U	740
Trichlorofluoromethane	**2.2**		0.71	0.71	U	0.71	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71	36	U	36				710	U	710
Trichlorotrifluoroethane	**3.3**		0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	26	U	26				520	U	520
Vinyl Acetate	**4.4**		1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	57	U	57				1,100	U	1,100
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	**510**		78				1,600	U	1,600

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW48-017			VW48-035			VW49-010			VW49-010			VW49-018			VW49-030			VWFD49-030			VWFD49-030			VW50-08		
Sample Number	WDI-VW48-17-07			WDI-VW48-35-07			WDI-VW49-10-07			WDI-VW49-10-07			WDI-VW49-18-07			WDI-VW49-30-07			WDI-VWFD49-30-07			WDI-VWFD49-30-07			WDI-VW50-08-07		
Sample Type	DUP			REG			REG			DUP			REG			REG			REG			DUP			REG		
Sample Depth	17			35			10			10			18			30			30			30			8		
Sample Date	8/6/99			8/6/99			8/6/99			8/6/99			8/6/99			8/6/99			8/6/99			8/6/99			8/12/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901559-002DUP			P9901559-003			P9901559-008			P9901559-008DUP			P9901559-009			P9901559-010			P9901559-011			P9901559-011DUP			P9901588-004		
Analysis Date	8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/13/99			8/17 & 8/23/99			9/9/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**529,000**		1,000	**19,600**		1,000	**30**		0.50	**30**		0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50				**2.9**		0.50
Total Nonmethane (ppmv)				**270**		1.0	**7.3**		1.0	**7.0**		1.0	**6.1**		1.0	**6.5**		1.0	**5.9**		1.0				1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				9.2	U	9.2	**0.75**		0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**1.2**		0.73
1,1,2,2-Tetrachloroethane				7.3	U	7.3	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				9.2	U	9.2	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				12	U	12	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene				13	U	13	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane				6.5	U	6.5	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				8.3	U	8.3	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				12	U	12	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				11	U	11	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				8.3	U	8.3	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				8.3	U	8.3	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone				17	U	17	1.4	U	1.4				1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**2.3**		1.4
2-Hexanone				12	U	12	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				12	U	12	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone				21	U	21	**6.2**		1.7				**4.0**		1.7	**4.1**		1.7	**4.1**		1.7	**4.2**		1.7	**8.5**		1.7
Benzene				16	U	16	**1.1**	J	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane				7.5	U	7.5	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform				4.8	U	4.8	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane				13	U	13	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				16	U	16	**1.2**	J	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	**16**		1.3
Carbon Tetrachloride				8.0	U	8.0	0.64	UJ	0.64				0.64	UJ	0.64	0.64	UJ	0.64	0.64	UJ	0.64	0.64	UJ	0.64	0.64	U	0.64
Chlorobenzene				11	U	11	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane				19	U	19	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform				10	U	10	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane				24	U	24	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				13	U	13	**1.8**		1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane				11	U	11	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				5.9	U	5.9	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene				12	U	12	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene				12	U	12	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether				14	U	14	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride				14	U	14	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene				12	U	12	0.92	U	0.92				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene				12	U	12	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene				**28**		7.4	**140**		0.59				**360**		0.59	**460**		0.59	**460**		0.59	**460**		0.59	**1.4**		0.59
Toluene				13	U	13	**0.92**	J	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene				13	U	13	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene				11	U	11	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene				9.3	U	9.3	**18**		0.74				**18**		0.74	**14**		0.74	**14**		0.74	**14**		0.74	0.74	U	0.74
Trichlorofluoromethane				8.9	U	8.9	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.56**	J	0.71
Trichlorotrifluoroethane				6.5	U	6.5	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate				14	U	14	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride				20	U	20	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW50-08			VW50-018			VW50-035			VW50-035			VWFD50-035			VW51-08			VW51-018			VW51-030			VW52-010		
Sample Number	WDI-VW50-08-07			WDI-VW50-18-07			WDI-VW50-35-07			WDI-VW50-35-07			WDI-VWFD50-35-07			WDI-VW51-08-07			WDI-VW51-18-07			WDI-VW51-30-07			WDI-VW52-10-07		
Sample Type	DUP			REG			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	8			18			35			35			35			8			18			30			10		
Sample Date	8/12/99			8/12/99			8/12/99			8/12/99			8/12/99			8/11/99			8/11/99			8/11/99			8/5/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901588-004DUP			P9901588-005			P9901588-006			P9901588-006DUP			P9901588-007			P9901587-001			P9901587-002			P9901587-003			P9901537-007		
Analysis Date	9/9/99			9/9/99			9/9/99			9/10/99			9/9/99			8/23/99			8/23/99			8/23/99			8/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**2.8**		0.50	0.50	U	0.50	0.50	U	0.50				0.50	U	0.50	**880**		0.50	***390,000***		1,000	***23,400***		1,000	**180**		0.50
Total Nonmethane (ppmv)	1.0	U	1.0	**3.0**		1.0	**7.5**	J[1]	1.0				**11**	J[1]	1.0	**11**		1.0	**14,000**		9.4	**710**		1.0	**42**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				**0.61**	J	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**4.5**		0.73	920	U	920	18	U	18	3.7	U	3.7
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	730	U	730	15	U	15	2.9	U	2.9
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	920	U	920	18	U	18	3.7	U	3.7
1,1-Dichloroethane				0.99	U	0.99	**1.1**		0.99	**1.1**		0.99	**1.1**		0.99	**12**		0.99	1,200	U	1,200	25	U	25	**68**		4.9
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1,300	U	1,300	**31**		25	5.0	U	5.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	650	U	650	13	U	13	2.6	U	2.6
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	830	U	830	17	U	17	3.3	U	3.3
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	1,200	U	1,200	25	U	25	4.9	U	4.9
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	1,100	U	1,100	22	U	22	**22**		4.3
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	830	U	830	17	U	17	3.3	U	3.3
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	**0.46**	J	0.67	830	U	830	17	U	17	3.3	U	3.3
2-Butanone				1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	**2.0**		1.4	1,700	U	1,700	34	U	34	6.8	U	6.8
2-Hexanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	1,200	U	1,200	24	U	24	4.9	U	4.9
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	1,200	U	1,200	24	U	24	4.9	U	4.9
Acetone				**3.8**		1.7	**2.9**	J[1]	1.7	**3.0**	J[1]	1.7	**10**	J[1]	1.7	**51**		1.7	2,100	U	2,100	42	U	42	8.4	U	8.4
Benzene				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	***13,000***		1,600	31	U	31	6.3	U	6.3
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	750	U	750	15	U	15	3.0	U	3.0
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	480	U	480	9.7	U	9.7	1.9	U	1.9
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1,300	U	1,300	26	U	26	5.2	U	5.2
Carbon Disulfide				1.3	U	1.3	**2.6**	J[1]	1.3	**2.6**	J[1]	1.3	1.3	J[1]	1.3	**2.6**		1.3	1,600	U	1,600	32	U	32	6.4	U	6.4
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	800	U	800	16	U	16	3.2	U	3.2
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	1,100	U	1,100	22	U	22	4.3	U	4.3
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1,900	U	1,900	38	U	38	**7.9**		7.6
Chloroform				0.82	U	0.82	**2.4**		0.82	**2.4**		0.82	**2.4**		0.82	0.82	U	0.82	1,000	U	1,000	20	U	20	4.1	U	4.1
Chloromethane				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	2,400	U	2,400	48	U	48	9.7	U	9.7
cis-1,2-Dichloroethene				1.0	U	1.0	**4.9**		1.0	**4.8**		1.0	**4.9**		1.0	1.0	U	1.0	1,300	U	1,300	**240**		25	5.0	U	5.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	1,100	U	1,100	22	U	22	4.4	U	4.4
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	590	U	590	12	U	12	2.3	U	2.3
Ethylbenzene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.1**		0.92	1,200	U	1,200	23	U	23	4.6	U	4.6
m- &p-Xylene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**4.1**		0.92	**1,000**	J	1,200	23	U	23	**4.0**	J	4.6
Methyl tert-Butyl Ether				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1,400	U	1,400	28	U	28	**49**		5.5
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1,400	U	1,400	29	U	29	5.8	U	5.8
o-Xylene				0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	**1.2**		0.92	1,200	U	1,200	23	U	23	4.6	U	4.6
Styrene				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	1,200	U	1,200	23	U	23	4.7	U	4.7
Tetrachloroethene				**2.8**		0.59	**8.2**		0.59	**8.1**		0.59	**8.1**		0.59	**1.2**		0.59	740	U	740	**120**		15	**4.5**		3.0
Toluene				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**4.3**		1.1	1,300	U	1,300	27	U	27	**6.5**		5.3
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1,300	U	1,300	**170**		25	5.0	U	5.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	1,100	U	1,100	22	U	22	4.4	U	4.4
Trichloroethene				0.74	U	0.74	**3.0**		0.74	**3.0**		0.74	**3.1**		0.74	**0.55**	J	0.74	930	U	930	***500***		19	**2.5**	J	3.7
Trichlorofluoromethane				**0.80**		0.71	**0.87**		0.71	**0.87**		0.71	**0.88**		0.71	0.71	U	0.71	890	U	890	18	U	18	3.6	U	3.6
Trichlorotrifluoroethane				0.52	U	0.52	**1.3**		0.52	**1.3**		0.52	**1.3**		0.52	0.52	U	0.52	650	U	650	13	U	13	2.6	U	2.6
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1,400	U	1,400	28	U	28	5.7	U	5.7
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	2,000	U	2,000	39	U	39	7.8	U	7.8

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW52-019			VW52-030			VW53-010			VW53-010			VW53-020			VW53-030			VW53-030			VW54-012			VW54-020		
Sample Number	WDI-VW52-19-07			WDI-VW52-30-07			WDI-VW53-10-07			WDI-VW53-10-07			WDI-VW53-20-07			WDI-VW53-30-07			WDI-VW53-30-07			WDI-VW54-12-07			WDI-VW54-20-07		
Sample Type	REG			REG			REG			DUP			REG			REG			DUP			REG			REG		
Sample Depth	19			30			10			10			20			30			30			12			20		
Sample Date	8/5/99			8/5/99			8/10/99			8/10/99			8/10/99			8/10/99			8/10/99			8/11/99			8/11/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901537-008			P9901537-009			P9901573-004			P9901573-004DUP			P9901573-005			P9901573-006			P9901573-006DUP			P9901579-013			P9901579-014		
Analysis Date	8/12/99			8/12/99			8/17/99			8/23/99			8/17/99			8/17/99			8/17/99			8/18/99			8/18/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	***13,700***		1,000	***13,800***		1,000	**330**		0.50	**370**		0.50	**370**		0.50	**16**		0.50	**2,980**		1,000
Total Nonmethane (ppmv)	**8.0**		1.0	**12**		1.0	**520**		1.0				**19**		1.0	**13**		1.0	**13**		1.0	**2.2**		1.0	**7.2**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**0.76**		0.73	**0.89**		0.73	9.2	U	9.2	9.2	U	9.2	**1.1**		0.73	**1.2**		0.73				0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	7.3	U	7.3	7.3	U	7.3	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	9.2	U	9.2	9.2	U	9.2	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	**130**		0.99	**170**		0.99	12	U	12	12	U	12	**13**		0.99	**12**		0.99				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	13	U	13	13	U	13	**12**		1.0	**12**		1.0				1.0	U	1.0	**1.2**		1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	6.5	U	6.5	6.5	U	6.5	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	8.3	U	8.3	8.3	U	8.3	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	12	U	12	12	U	12	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	**100**		0.87	**150**		0.87	11	U	11	11	U	11	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	8.3	U	8.3	8.3	U	8.3	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	8.3	U	8.3	8.3	U	8.3	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	17	U	17	17	U	17	1.4	U	1.4	1.4	U	1.4				**2.2**		1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	12	U	12	12	U	12	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	12	U	12	12	U	12	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
Acetone	**2.9**		1.7	**5.3**		1.7	21	U	21	21	U	21	1.7	U	1.7	1.7	U	1.7				**11**		1.7	1.7	U	1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**25**		16	**25**		16	**0.84**	J	1.3	1.3	U	1.3				1.3	U	1.3	**1.6**		1.3
Bromodichloromethane	0.60	U	0.60	**0.65**		0.60	7.5	U	7.5	7.5	U	7.5	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	4.8	U	4.8	4.8	U	4.8	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39
Bromomethane	**1.3**		1.0	1.0	U	1.0	13	U	13	13	U	13	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	16	U	16	16	U	16	**0.94**	J	1.3	**1.9**		1.3				**12**		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	8.0	U	8.0	8.0	U	8.0	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	11	U	11	11	U	11	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	19	U	19	19	U	19	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5
Chloroform	**2.9**		0.82	**3.7**		0.82	10	U	10	10	U	10	**2.3**		0.82	**2.4**		0.82				**0.60**	J	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	24	U	24	24	U	24	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**15**		1.0	**21**		1.0	**150**		13	**150**		13	**70**		1.0	**64**		1.0				1.0	U	1.0	**5.1**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	11	U	11	11	U	11	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	5.9	U	5.9	5.9	U	5.9	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	12	U	12	12	U	12	**0.85**	J	0.92	0.92	U	0.92				**0.59**	J	0.92	**0.65**	J	0.92
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	12	U	12	12	U	12	**3.3**		0.92	**1.6**		0.92				**2.3**		0.92	**2.5**		0.92
Methyl tert-Butyl Ether	**3.3**		1.1	**3.0**		1.1	14	U	14	14	U	14	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	14	U	14	14	U	14	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.92	U	0.92	12	U	12	12	U	12	**1.9**		0.92	**0.78**	J	0.92				**0.66**	J	0.92	**0.73**	J	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	12	U	12	12	U	12	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**100**		0.59	**110**		0.59	7.4	U	7.4	7.4	U	7.4	**53**		0.59	**58**		0.59				**2.8**		0.59	0.59	U	0.59
Toluene	**0.99**	J	1.1	1.1	U	1.1	13	U	13	13	U	13	**3.9**		1.1	**2.0**		1.1				**2.5**		1.1	**2.6**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	**12**	J	13	**13**		13	**10**		1.0	**9.5**		1.0				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	11	U	11	11	U	11	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Trichloroethene	**29**		0.74	**23**		0.74	**44**		9.3	**45**		9.3	***440***		0.74	***490***		0.74				0.74	U	0.74	**2.1**		0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	8.9	U	8.9	8.9	U	8.9	0.71	U	0.71	0.71	U	0.71				**1.0**		0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	6.5	U	6.5	6.5	U	6.5	**0.54**		0.52	**0.53**		0.52				0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	14	U	14	14	U	14	1.1	U	1.1	1.1	U	1.1				**2.7**		1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	***23***		20	***24***		20	**6.1**		1.6	**6.0**		1.6				1.6	U	1.6	**2.7**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.

Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.

Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW54-030			VW55-05			VW55-05			VW55-018			VW55-018			VW55-029			VW56-08			VW56-017			VW56-028		
Sample Number	WDI-VW54-30-07			WDI-VW55-05-07			WDI-VW55-05-07			WDI-VW55-18-07			WDI-VW55-18-07			WDI-VW55-29-07			WDI-VW56-08-07			WDI-VW56-17-07			WDI-VW56-28-07		
Sample Type	REG			REG			DUP			REG			DUP			REG			REG			REG			REG		
Sample Depth	30			5			5			18			18			29			8			17			28		
Sample Date	8/11/99			8/9/99			8/9/99			8/9/99			8/9/99			8/9/99			8/10/99			8/10/99			8/10/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901579-015			P9901572-011			P9901572-011DUP			P9901572-012			P9901572-012DUP			P9901572-013			P9901573-009			P9901573-010			P9901573-011		
Analysis Date	8/18/99			8/16/99			8/16/99			8/16/99			8/20/99			8/16/99			8/17/99			8/17/99			8/17/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**3,870**		1,000	***115,000***		1,000	***115,000***		1,000	**8,890**		1,000				**8,430**		1,000	**13**		0.50	**2.5**		0.50	**1.6**		0.50
Total Nonmethane (ppmv)	**5.9**		1.0	**240**		1.0				**160**		1.0				**87**		1.0	**11**		1.0	**10**		1.0	**9.6**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	9.2	U	9.2				3.7	U	3.7	3.7	U	3.7	3.7	U	3.7	0.73	U	0.73	**1.4**		0.73	**1.5**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	7.3	U	7.3				2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	9.2	U	9.2				3.7	U	3.7	3.7	U	3.7	3.7	U	3.7	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	12	U	12				**8.1**		4.9	**7.8**		4.9	**7.5**		4.9	**14**		0.99	**7.9**		0.99	**7.1**		0.99
1,1-Dichloroethene	**1.0**		1.0	13	U	13				**39**		5.0	**38**		5.0	**42**		5.0	**3.8**		1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	6.5	U	6.5				2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	8.3	U	8.3				3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	12	U	12				4.9	U	4.9	4.9	U	4.9	4.9	U	4.9	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	11	U	11				4.3	U	4.3	4.3	U	4.3	4.3	U	4.3	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	8.3	U	8.3				3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	8.3	U	8.3				3.3	U	3.3	3.3	U	3.3	3.3	U	3.3	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	17	U	17				6.8	U	6.8	6.8	U	6.8	6.8	U	6.8	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	12	U	12				4.9	U	4.9	4.9	U	4.9	4.9	U	4.9	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	12	U	12				4.9	U	4.9	4.9	U	4.9	4.9	U	4.9	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	1.7	U	1.7	21	U	21				8.4	U	8.4	8.4	U	8.4	8.4	U	8.4	1.7	U	1.7	1.7	U	1.7	**4.1**		1.7
Benzene	**1.8**		1.3	16	U	16				**13**		6.3	**13**		6.3	**6.4**		6.3	**20**		1.3	**1.3**		1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	7.5	U	7.5				3.0	U	3.0	3.0	U	3.0	3.0	U	3.0	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	4.8	U	4.8				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	13	U	13				5.2	U	5.2	5.2	U	5.2	5.2	U	5.2	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	16	U	16				6.4	U	6.4	6.4	U	6.4	6.4	U	6.4	**2.8**		1.3	1.3	U	1.3	**4.7**		1.3
Carbon Tetrachloride	0.64	U	0.64	8.0	U	8.0				3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	11	U	11				4.3	U	4.3	4.3	U	4.3	4.3	U	4.3	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	19	U	19				7.6	U	7.6	7.6	U	7.6	7.6	U	7.6	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	10	U	10				4.1	U	4.1	4.1	U	4.1	4.1	U	4.1	0.82	U	0.82	**21**		0.82	**23**		0.82
Chloromethane	1.9	U	1.9	24	U	24				9.7	U	9.7	9.7	U	9.7	9.7	U	9.7	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**4.8**		1.0	13	U	13				**170**		5.0	**160**		5.0	**220**		5.0	**370**		1.0	**45**		1.0	**20**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	11	U	11				4.4	U	4.4	4.4	U	4.4	4.4	U	4.4	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	5.9	U	5.9				2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**0.73**	J	0.92	12	U	12				4.6	U	4.6	4.6	U	4.6	4.6	U	4.6	**1.3**		0.92	**0.66**	J	0.92	0.92	U	0.92
m- &p-Xylene	**2.6**		0.92	12	U	12				4.6	U	4.6	4.6	U	4.6	4.6	U	4.6	**4.8**		0.92	**2.4**		0.92	**2.2**		0.92
Methyl tert-Butyl Ether	1.1	U	1.1	14	U	14				5.5	U	5.5	5.5	U	5.5	5.5	U	5.5	**320**		1.1	**17**		1.1	**3.7**		1.1
Methylene Chloride	1.2	U	1.2	14	U	14				5.8	U	5.8	5.8	U	5.8	5.8	U	5.8	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**0.79**	J	0.92	12	U	12				4.6	U	4.6	4.6	U	4.6	4.6	U	4.6	**1.6**		0.92	**0.80**	J	0.92	**0.75**	J	0.92
Styrene	0.94	U	0.94	12	U	12				4.7	U	4.7	4.7	U	4.7	4.7	U	4.7	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	0.59	U	0.59	7.4	U	7.4				**10**		3.0	**10**		3.0	**12**		3.0	**84**		0.59	**36**		0.59	**39**		0.59
Toluene	**2.4**		1.1	13	U	13				5.3	U	5.3	5.3	U	5.3	5.3	U	5.3	**5.6**		1.1	**2.9**		1.1	**2.7**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	13	U	13				**42**		5.0	**42**		5.0	**44**		5.0	**24**		1.0	**1.1**		1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	11	U	11				4.4	U	4.4	4.4	U	4.4	4.4	U	4.4	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**1.1**		0.74	9.3	U	9.3				***520***		3.7	***520***		3.7	***460***		3.7	**140**		0.74	***470***		0.74	***430***		0.74
Trichlorofluoromethane	0.71	U	0.71	8.9	U	8.9				3.6	U	3.6	3.6	U	3.6	3.6	U	3.6	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	6.5	U	6.5				2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	0.52	U	0.52	**0.73**		0.52	**0.81**		0.52
Vinyl Acetate	1.1	U	1.1	14	U	14				5.7	U	5.7	5.7	U	5.7	5.7	U	5.7	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	**4.6**		1.6	20	U	20				***65***		7.8	***65***		7.8	***68***		7.8	***17***		1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW57-07			VW57-07			VW57-018			VW57-025			VW58-08			VW58-019			VW58-029			VW59-07			VW59-017		
Sample Number	WDI-VW57-07-07			WDI-VW57-07-07			WDI-VW57-18-07			WDI-VW57-25-07			WDI-VW58-08-07			WDI-VW58-19-07			WDI-VW58-29-07			WDI-VW59-07-07			WDI-VW59-17-07		
Sample Type	REG			DUP			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	7			7			18			25			8			19			29			7			17		
Sample Date	8/10/99			8/10/99			8/10/99			8/10/99			8/9/99			8/9/99			8/9/99			8/9/99			8/9/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901573-001			P9901573-001DUP			P9901573-002			P9901573-003			P9901572-006			P9901572-007			P9901572-008			P9901572-001			P9901572-002		
Analysis Date	8/17/99			8/17/99			8/17/99			8/17/99			8/16/99			8/16/99			8/16/99			8/16/99			8/16/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**260**		0.50	**270**		0.50	**21**		0.50	**34**		0.50	**1.0**		0.50	0.50	U	0.50	0.50	U	0.50	**9.0**		0.50	0.50	U	0.50
Total Non-Methane (ppmv)	**3.4**		1.0	**3.2**		1.0	**12**		1.0	**10**		1.0	**8.4**		1.0	**11**		1.0	**11**		1.0	**9.5**		1.0	**7.4**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73				**4.0**		0.73	**4.8**		0.73	**38**		0.73	**12**		0.73	**9.0**		1.8	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99				**5.2**		0.99	**5.7**		0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0				**0.92**	J	1.0	**1.2**		1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67
2-Butanone	**3.2**		1.4				1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	3.4	U	3.4	1.4	U	1.4	**3.8**		1.4
2-Hexanone	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98
Acetone	1.7	U	1.7				1.7	U	1.7	1.7	U	1.7	**7.7**		1.7	**6.0**		1.7	**5.7**		4.2	**26**		1.7	**5.2**		1.7
Benzene	**1.9**		1.3				**2.5**		1.3	**0.88**	J	1.3	1.3	U	1.3	**0.88**	J	1.3	3.1	U	3.1	**1.0**	J	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**13**		1.3				1.3	U	1.3	**0.85**	J	1.3	**1.9**		1.3	**4.6**		1.3	3.2	U	3.2	**2.7**		1.3	**13**		1.3
Carbon Tetrachloride	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82				**2.4**		0.82	**3.3**		0.82	**17**		0.82	**5.1**		0.82	**4.6**		2.0	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	**2.0**	U^2	1.9	1.9	U	1.9	4.8	U	4.8	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	**0.76**	J	1.0				**1.3**		1.0	**1.2**		1.0	1.0	-U	1.0	**1.0**		1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**1.7**		0.92				**2.5**		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	0.92	U	0.92	**0.65**	J	0.92
m- &p-Xylene	**6.2**		0.92				**8.9**		0.92	**2.0**		0.92	**1.7**		0.92	**1.7**		0.92	2.3	U	2.3	**2.0**		0.92	**2.5**		0.92
Methyl tert-Butyl Ether	**23**		1.1				**21**		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	**2.5**		1.1	**1.4**		1.1
Methylene Chloride	**1.3**		1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2
o-Xylene	**2.0**		0.92				**3.2**		0.92	**0.68**	J	0.92	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	0.92	U	0.92	**0.77**	J	0.92
Styrene	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**3.3**		0.59				**150**		0.59	**140**		0.59	**34**		0.59	**150**		0.59	**200**		1.5	**3.0**		0.59	**52**		0.59
Toluene	**10**		1.1				**16**		1.1	**2.3**		1.1	**2.1**		1.1	**2.1**		1.1	**1.7**	J	2.7	**3.0**		1.1	**3.2**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	**1.6**		1.0	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**3.7**		0.74				**410**		0.74	***430***		0.74	***4,400***		0.74	***4,400***		0.74	***2,700***		1.9	0.74	U	0.74	**3.6**		0.74
Trichlorofluoromethane	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71	0.78		0.71	**0.52**	J	0.71	1.8	U	1.8	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52				**0.42**	J	0.52	**0.43**	J	0.52	**0.47**	J	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	3.9	U	3.9	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW59-027			VW59-027			VW60-010			VW60-018			VW60-028			VW60-028			VW61-08			VW61-08			VW61-019		
Sample Number	WDI-VW59-27-07			WDI-VW59-27-07			WDI-VW60-10-07			WDI-VW60-18-07			WDI-VW60-28-07			WDI-VW60-28-07			WDI-VW61-08-07			WDI-VW61-08-07			WDI-VW61-19-07		
Sample Type	REG			DUP			REG			REG			REG			DUP			REG			DUP			REG		
Sample Depth	27			27			10			18			28			28			8			8			19		
Sample Date	*8/9/99*			*8/9/99*			*8/11/99*			*8/11/99*			*8/11/99*			*8/11/99*			*8/5/99*			*8/5/99*			*8/5/99*		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901572-003			P9901572-003DUP			P9901579-007			P9901579-008			P9901579-009			P9901579-009DUP			P9901553-002			P9901553-002DUP			P9901553-003		
Analysis Date	8/16/99			8/20/99			8/18/99			8/18/99			8/18/99			8/31/99			8/12/99			8/18/99			8/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				**1.2**		0.50	0.50	U	0.50	0.50	U	0.50				**3.0**		0.50				**15**		0.50
Total Nonmethane (ppmv)	**8.5**		1.0				**5.6**		1.0	**9.1**		1.0	**10**		1.0				**5.7**		1.0				**6.8**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	**1.6**	J	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	**0.63**	J	0.73	**0.61**	J	0.73	**12**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	**10**		2.5	**10**		2.5	**10**		2.5	0.99	U	0.99	0.99	U	0.99	**36**		0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	**48**		0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1.4	U	1.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	3.4	U	3.4	**1.6**		1.4	**1.7**		1.4	**1.1**	J	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	2.4	U	2.4	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**6.4**		1.7	**6.4**		1.7	**6.4**		4.2	4.2	U	4.2	4.2	U	4.2	4.2	U	4.2	**8.5**		1.7	**8.3**		1.7	1.7	U	1.7
Benzene	1.3	U	1.3	1.3	U	1.3	3.1	U	3.1	3.1	U	3.1	3.1	U	3.1	3.1	U	3.1	1.3	U	1.3	1.3	U	1.3	**1.9**		1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.97	U	0.97	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	2.6	U	2.6	**1.8**		1.0	**1.5**		1.0	**1.0**		1.0
Carbon Disulfide	**1.2**	J	1.3	**1.2**	J	1.3	**4.5**		3.2	3.2	U	3.2	3.2	U	3.2	3.2	U	3.2	**1.8**		1.3	**1.9**		1.3	**2.2**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	3.8	U	3.8	3.8	U	3.8	3.8	U	3.8	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	2.0	U	2.0	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	4.8	U	4.8	**3.4**	J	4.8	4.8	U	4.8	4.8	U	4.8	**1.5**	J	1.9	**1.5**	J	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	**3.5**		1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**2.3**		0.92	**2.2**		0.92	**3.3**		2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	**1.1**		0.92	**1.1**		0.92	**0.91**	J	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**0.67**	J	0.92	**0.67**	J	0.92	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	2.3	U	2.3	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**75**		0.59	**75**		0.59	**270**		1.5	**55**		1.5	**56**		1.5	**55**		1.5	**31**		0.59	**32**		0.59	**24**		0.59
Toluene	**3.3**		1.1	**3.3**		1.1	**4.9**		2.7	**1.7**	J	2.7	2.7	U	2.7	2.7	U	2.7	**2.0**		1.1	**2.1**		1.1	**0.72**	J	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	2.5	U	2.5	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	2.2	U	2.2	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**6.2**		0.74	**6.3**		0.74	**4.3**		1.9	**3.9**		1.9	**3.9**		1.9	**3.8**		1.9	**13**		0.74	**14**		0.74	**1.8**		0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	1.8	U	1.8	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	2.8	U	2.8	**1.1**	J	1.1	**1.2**		1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9	1.6	U	1.6	1.6	U	1.6	***15***		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW61-030			VW61-030			VW62-08			VW62-08			VW62-018			VW62-029			VW63-08			VW63-018			VW63-028		
Sample Number	WDI-VW61-30-07			WDI-VW61-30-07			WDI-VW62-08-07			WDI-VW62-08-07			WDI-VW62-18-07			WDI-VW62-29-07			WDI-VW63-08-07			WDI-VW63-18-07			WDI-VW63-28-07		
Sample Type	REG			DUP			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	30			30			8			8			18			29			8			18			28		
Sample Date	8/5/99			8/5/99			8/4/99			8/4/99			8/4/99			8/4/99			8/2/99			8/2/99			8/2/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901553-004			P9901553-004DUP			P9901529-025			P9901529-025DUP			P9901529-026			P9901529-027			P9901520-006			P9901520-007			P9901520-008		
Analysis Date	8/13/99			8/13/99			8/11/99			8/11/99			8/11/99			1/0/00			8/4/99			8/4/99			8/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**5.1**		0.50	**5.1**		0.50	**57,500**		1,000	**57,900**		1,000	**2,060**		1,000	**4,740**		1,000	**4,060**		1,000	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	***10***		*1.0*	***10***		*1.0*	***54***		*1.0*				***3.4***	U[1]	*1.0*	**7.2**	U[1]	*1.0*	*1.0*	U	1.0	**7.5**		1.0	***5.9***		*1.0*
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**19**		0.73				3.7	U	3.7				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	**0.62**	J	0.73	**0.92**		0.73
1,1,2,2-Tetrachloroethane	*0.58*	*U*	*0.58*				2.9	*U*	2.9				0.58	*U*	0.58	*0.58*	*U*	*0.58*	*0.58*	*U*	0.58	0.58	*U*	0.58	0.58	*U*	0.58
1,1,2-Trichloroethane	0.73	U	0.73				3.7	U	3.7				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	**40**		0.99				4.9	U	4.9				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0				5.0	U	5.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	*0.52*	*U*	0.52				2.6	*U*	2.6				0.52	*U*	0.52	*0.52*	*U*	0.52	*0.52*	*U*	0.52	0.52	*U*	0.52	0.52	*U*	0.52
1,2-Dichlorobenzene	0.67	U	0.67				**8.8**		3.3				**0.55**	J	0.67	**0.60**	J	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99				4.9	U	4.9				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	**21**		0.87				4.3	U	4.3				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	*0.67*	*U*	0.67				3.3	U	3.3				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67				**4.9**		3.3				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4				6.8	U	6.8				**5.9**		1.4	**4.5**		1.4	**21**		1.4	**6.7**		1.4	**7.7**		1.4
2-Hexanone	0.98	U	0.98				4.9	U	4.9				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	*0.98*	*U*	*0.98*				4.9	U	4.9				**120**		0.98	*0.98*	*U*	*0.98*	0.98	*U*	0.98	*0.98*	*U*	*0.98*	0.98	*U*	0.98
Acetone	**3.7**		1.7				8.4	U	8.4				**14**		1.7	1.7	U	1.7	1.7	U	1.7	**3.7**		1.7	**6.0**		1.7
Benzene	1.3	U	1.3				6.3	U	6.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60				3.0	U	3.0				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39				1.9	U	1.9				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	**0.87**	J	1.0				5.2	U	5.2				1.0	U	1.0	1.0	U	1.0	**0.81**	J	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3				6.4	U	6.4				1.3	U	1.3	1.3	U	1.3	**1.0**	J	1.3	1.3	U	1.3	**1.6**		1.3
Carbon Tetrachloride	0.64	U	0.64				3.2	U	3.2				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87				14		4.3				**1.1**		0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5				7.6	U	7.6				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82				4.1	U	4.1				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**0.84**		0.82
Chloromethane	1.9	U	1.9				9.7	U	9.7				1.9	U	1.9	1.9	U	1.9	**3.2**		1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	*1.0*	*U*	*1.0*				5.0	U	5.0				*1.0*	*U*	*1.0*	***0.88***	*J*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*	*1.0*	*U*	*1.0*
cis-1,3-Dichloropropane	0.88	U	0.88				4.4	U	4.4				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47				2.3	U	2.3				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92				4.6	U	4.6				**0.82**	J	0.92	0.92	U	0.92	**1.1**		0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	*0.92*	*U*	*0.92*				**4.1**	*J*	4.6				**3.8**		0.92	**2.3**		0.92	**3.5**		0.92	**2.8**		0.92	**2.4**		0.92
Methyl tert-Butyl Ether	1.1	U	1.1				5.5	U	5.5				**1.4**		1.1	**1.1**		1.1	1.1	U	1.1	**1.8**		1.1	**1.8**		1.1
Methylene Chloride	1.2	U	1.2				5.8	U	5.8				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92				**3.3**	J	4.6				**2.3**		0.92	**1.7**		0.92	**2.4**		0.92	**1.9**		0.92	**1.7**		0.92
Styrene	*0.94*	*U*	*0.94*				4.7	U	4.7				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**24**		0.59				3.0	U	3.0				**0.42**	J	0.59	**0.38**	J	0.59	**0.81**		0.59	**120**		0.59	**160**		0.59
Toluene	1.1	U	1.1				5.3	U	5.3				**27**		1.1	**1.4**		1.1	**2.3**		1.1	**2.2**		1.1	**1.6**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0				5.0	U	5.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	*0.88*	*U*	*0.88*				4.4	U	4.4				*0.88*	*U*	*0.88*	*0.88*	*U*	*0.88*	*0.88*	*U*	*0.88*	*0.88*	*U*	*0.88*	*0.88*	*U*	*0.88*
Trichloroethene	**1.7**		0.74				3.7	U	3.7				0.74	U	0.74	0.74	U	0.74	**1.2**		0.74	**7.1**		0.74	**13**		0.74
Trichlorofluoromethane	0.71	U	0.71				3.6	U	3.6				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**1.4**		0.71	**1.9**		0.71
Trichlorotrifluoroethane	0.52	U	0.52				2.6	U	2.6				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**1.8**		0.52	**2.6**		0.52
Vinyl Acetate	*1.1*	*U*	*1.1*				5.7	U	5.7				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6				7.8	U	7.8				1.6	U	1.6	**3.1**		1.6	**2.8**		1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U[1] = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U[2] = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	MP01-05			MP01-05			MP01-015			MP02-05			MP02-05			MP02-015			MP02-015			Field Blank			Field Blank		
Sample Number	WDI-MP01-05-07			WDI-MP01-05-07			WDI-MP01-15-07			WDI-MP02-05-07			WDI-MP02-05-07			WDI-MP02-15-07			WDI-MP02-15-07			WDI-VWFB 8/3			WDI-VWFB 8/4		
Sample Type	REG			DUP			REG			REG			DUP			REG			DUP			Blank			Blank		
Sample Depth	5			5			15			5			5			15			15								
Sample Date	8/11/99			8/11/99			8/11/99			8/11/99			8/11/99			8/11/99			8/11/99			8/3/99			8/4/99		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901587-004			P9901587-004DUP			P9901587-005			P9901587-006			P9901587-006DUP			P9901587-007			P9901587-007DUP			P9901529-018			P9901537-006		
Analysis Date	8/23/99			8/23/99			8/23/99			8/23/99			9/5/99			8/24/99			8/24/99			8/11/99			8/12/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**4.7**		0.50	**4.3**		0.50	***778,000***		1,000	**9.3**		0.50	**9.6**		0.50	***837,000***		1,000	***839,000***		1,000	**1.0**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**6.8**		1.0	**7.6**		1.0	**9,600**		47	**5.6**		1.0	**5.1**		1.0	**31,000**		19	**31,000**		19	**4.7**		1.0	1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**6.8**		0.73				460	U	460	2.4	U	2.4	2.4	U	2.4	730	U	730				0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58				360	U	360	1.9	U	1.9	1.9	U	1.9	580	U	580				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73				460	U	460	2.4	U	2.4	2.4	U	2.4	730	U	730				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99				620	U	620	3.3	U	3.3	3.3	U	3.3	990	U	990				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0				630	U	630	3.4	U	3.4	3.4	U	3.4	1,000	U	1,000				1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52				330	U	330	1.7	U	1.7	1.7	U	1.7	520	U	520				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67				420	U	420	2.2	U	2.2	2.2	U	2.2	670	U	670				0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99				620	U	620	3.3	U	3.3	3.3	U	3.3	990	U	990				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87				540	U	540	2.9	U	2.9	2.9	U	2.9	870	U	870				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67				420	U	420	2.2	U	2.2	2.2	U	2.2	670	U	670				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67				420	U	420	2.2	U	2.2	2.2	U	2.2	670	U	670				0.67	U	0.67	0.67	U	0.67
2-Butanone	**2.2**		1.4				850	U	850	4.5	U	4.5	4.5	U	4.5	1,400	U	1,400				1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98				610	U	610	3.3	U	3.3	3.3	U	3.3	980	U	980				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98				610	U	610	3.3	U	3.3	3.3	U	3.3	980	U	980				0.98	U	0.98	0.98	U	0.98
Acetone	**7.3**		1.7				1,100	U	1,100	5.6	U	5.6	5.6	U	5.6	1,700	U	1,700				1.7	U	1.7	1.7	U	1.7
Benzene	1.3	U	1.3				780	U	780	4.2	U	4.2	4.2	U	4.2	1,300	U	1,300				1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60				370	U	370	2.0	U	2.0	2.0	U	2.0	600	U	600				0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39				240	U	240	1.3	U	1.3	1.3	U	1.3	390	U	390				0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0				640	U	640	3.4	U	3.4	3.4	U	3.4	1,000	U	1,000				1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**17**		1.3				800	U	800	4.3	U	4.3	4.3	U	4.3	1,300	U	1,300				1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64				400	U	400	2.1	U	2.1	2.1	U	2.1	640	U	640				0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87				540	U	540	2.9	U	2.9	2.9	U	2.9	870	U	870				0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5				950	U	950	5.1	U	5.1	5.1	U	5.1	1,500	U	1,500				1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82				510	U	510	2.7	U	2.7	2.7	U	2.7	820	U	820				0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9				1,200	U	1,200	6.5	U	6.5	6.5	U	6.5	1,900	U	1,900				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0				630	U	630	3.4	U	3.4	3.4	U	3.4	1,000	U	1,000				1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88				550	U	550	2.9	U	2.9	2.9	U	2.9	880	U	880				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47				290	U	290	1.6	U	1.6	1.6	U	1.6	470	U	470				0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**0.86**	J	0.92				580	U	580	3.1	U	3.1	3.1	U	3.1	920	U	920				0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**3.6**		0.92				580	U	580	**2.2**	J	3.1	**2.2**		3.1	920	U	920				0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1				690	U	690	3.7	U	3.7	3.7	U	3.7	1,100	U	1,100				1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2				720	U	720	3.8	U	3.8	3.8	U	3.8	1,200	U	1,200				1.2	U	1.2	1.2	U	1.2
o-Xylene	**1.2**		0.92				580	U	580	3.1	U	3.1	3.1	U	3.1	920	U	920				0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94				590	U	590	3.1	U	3.1	3.1	U	3.1	940	U	940				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**7.5**		0.59				370	U	370	**230**		2.0	**230**		2.0	590	U	590				0.59	U	0.59	0.59	U	0.59
Toluene	**3.1**		1.1				660	U	660	**2.6**	J	3.5	**2.6**	J	3.5	1,100	U	1,100				1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0				630	U	630	3.4	U	3.4	3.4	U	3.4	1,000	U	1,000				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88				550	U	550	2.9	U	2.9	2.9	U	2.9	880	U	880				0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74				470	U	470	**6.6**		2.5	**6.6**		2.5	740	U	740				0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.72**		0.71				450	U	450	2.4	U	2.4	2.4	U	2.4	710	U	710				0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52				330	U	330	1.7	U	1.7	1.7	U	1.7	520	U	520				0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1				710	U	710	3.8	U	3.8	3.8	U	3.8	1,100	U	1,100				1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6				980	U	980	5.2	U	5.2	5.2	U	5.2	1,600	U	1,600				1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Field Blank			Field Blank			Field Blank			Field Blank			Field Blank			VWFB8-12			Method Blank			Method Blank			Method Blank		
Sample Number	WDI-VWFB 8/5			WDI-VWFB 8/6			WDI-VW FB 8/9			WDI-VWFB 8/10			WDI-VWFB 8/11			WDI-VWFB 8-12			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			REG			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																											
Sample Date	8/5/99			8/6/99			8/9/99			8/11/99			8/11/99			8/12/99			NA			NA			NA		
Field Methane (%)																											
Field PID VOCs (ppm)																											
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9901553-010			P9901559-012			P9901572-014			P9901579-016			P9901579-001			P9901588-011			P990804-MB			P990805-MB			P990804-MB		
Analysis Date	8/13/99			8/13/99			8/16/99			8/18/99			8/18/99			9/9/99			8/04/99			8/05/99			8/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50							0.50	U	0.50
Total Nonmethane (ppmv)	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0							1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18	0.18	U	0.18			
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.15	U	0.15	0.58	U	0.58	0.58	U	0.58	0.15	U	0.15	0.15	U	0.15			
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18	0.18	U	0.18			
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25	0.25	U	0.25			
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25			
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13	0.13	U	0.13			
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17			
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22	0.22	U	0.22			
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17			
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17	0.17	U	0.17			
2-Butanone	1.4	U	1.4	1.4	U	1.4	1.4	U	1.4	0.34	U	0.34	1.4	U	1.4	1.4	U	1.4	0.34	U	0.34	0.34	U	0.34			
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24	0.24	U	0.24			
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24	0.24	U	0.24			
Acetone	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7	0.42	U	0.42	**2.3**		1.7	1.7	U	1.7	0.42	U	0.42	0.42	U	0.42			
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.31	U	0.31	1.3	U	1.3	1.3	U	1.3	0.31	U	0.31	0.31	U	0.31			
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.15	U	0.15	0.60	U	0.60	0.60	U	0.60	0.15	U	0.15	0.15	U	0.15			
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.10	U	0.10	0.39	U	0.39	0.39	U	0.39	0.10	U	0.10	0.10	U	0.10			
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.26	U	0.26	1.0	U	1.0	1.0	U	1.0	0.26	U	0.26	0.26	U	0.26			
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	0.32	U	0.32	1.3	U	1.3	1.3	U	1.3	0.32	U	0.32	0.32	U	0.32			
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.16	U	0.16	0.64	U	0.64	0.64	U	0.64	0.16	U	0.16	0.16	U	0.16			
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22	0.22	U	0.22			
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	0.38	U	0.38	1.5	U	1.5	1.5	U	1.5	0.38	U	0.38	0.38	U	0.38			
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.20	U	0.20	0.82	U	0.82	0.82	U	0.82	0.20	U	0.20	0.20	U	0.20			
Chloromethane	1.9	U	1.9	1.9	U	1.9	**1.4**	J	1.9	0.48	U	0.48	**1.2**	J	1.9	1.9	U	1.9	0.48	U	0.48	0.48	U	0.48			
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25			
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22	0.22	U	0.22			
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.12	U	0.12	0.47	U	0.47	0.47	U	0.47	0.12	U	0.12	0.12	U	0.12			
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23			
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23			
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28	0.28	U	0.28			
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	0.29	U	0.29	1.2	U	1.2	1.2	U	1.2	0.29	U	0.29	0.29	U	0.29			
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23	0.23	U	0.23			
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.23	U	0.23	0.94	U	0.94	0.94	U	0.94	0.23	U	0.23	0.23	U	0.23			
Tetrachloroethene	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.15	U	0.15	0.59	U	0.59	0.59	U	0.59	0.15	U	0.15	0.15	U	0.15			
Toluene	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.27	U	0.27	1.1	U	1.1	1.1	U	1.1	0.27	U	0.27	0.27	U	0.27			
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25	0.25	U	0.25			
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22	0.22	U	0.22			
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.19	U	0.19	0.74	U	0.74	0.74	U	0.74	0.19	U	0.19	0.19	U	0.19			
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.18	U	0.18	0.71	U	0.71	0.71	U	0.71	0.18	U	0.18	0.18	U	0.18			
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13	0.13	U	0.13			
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28	0.28	U	0.28			
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	0.39	U	0.39	1.6	U	1.6	1.6	U	1.6	0.39	U	0.39	0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																								
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990809-MB			P990812-MB			P990813-MB			P990816-MB			P990812-MB			P990818-MB			P990819-MB			P990812-MB		
Analysis Date	8/09/99			8/12/99			8/13/99			8/16/99			8/12/99			8/18/99			8/19/99			8/12/99		
	Result	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*	*Result*	*Qual*	*RDL*
Lab Methane (ppmv)													0.50	U	0.50							0.50	U	0.50
Total Nonmethane (ppmv)													1.0	U	1.0							1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18			
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15			
1,1,2-Trichloroethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18			
1,1-Dichloroethane	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
1,1-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
1,2-Dibromoethane	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13			
1,2-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17			
1,2-Dichloroethane	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
1,3-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17			
1,4-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17			
2-Butanone	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34			
2-Hexanone	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24			
4-Methyl-2-Pentanone	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24			
Acetone	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42			
Benzene	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31			
Bromodichloromethane	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15			
Bromoform	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10			
Bromomethane	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26			
Carbon Disulfide	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32			
Carbon Tetrachloride	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16			
Chlorobenzene	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
Chloroethane	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38			
Chloroform	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20			
Chloromethane	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48			
cis-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
cis-1,3-Dichloropropane	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
Dibromochloromethane	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12			
Ethylbenzene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
m- &p-Xylene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
Methyl tert-Butyl Ether	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28			
Methylene Chloride	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29			
o-Xylene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
Styrene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23			
Tetrachloroethene	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15			
Toluene	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27			
trans-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25			
trans-1,3-Dichloropropene	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22			
Trichloroethene	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19			
Trichlorofluoromethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18			
Trichlorotrifluoroethane	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13			
Vinyl Acetate	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28			
Vinyl Chloride	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																										
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																										
Field PID VOCs (ppm)																										
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	*P990816-MB*			*P990819-MB*			*P990823-MB*			*P990813-MB*			*P990819-MB*			*P990824-MB*			*P990825-MB*			*P990820-MB*			*P990820-MB*		
Analysis Date	8/16/99			8/19/99			8/23/99			8/13/99			8/19/99			8/24/99			8/25/99			8/20/99			8/20/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)										0.50	U	0.50															
Total Nonmethane (ppmv)										1.0	U	1.0															
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
2-Butanone	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
2-Hexanone	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Acetone	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42
Benzene	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31
Bromodichloromethane	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Bromoform	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Bromomethane	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Carbon Disulfide	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
Chlorobenzene	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Chloroethane	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38
Chloroform	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Chloromethane	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
cis-1,3-Dichloropropane	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Dibromochloromethane	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Ethylbenzene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
m- &p-Xylene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Methylene Chloride	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29
o-Xylene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Styrene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Tetrachloroethene	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Toluene	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Trichloroethene	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Vinyl Acetate	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Vinyl Chloride	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																														
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																														
Field PID VOCs (ppm)																														
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990823-MB			P990824-MB			P990817-MB			P990830-MB			P990831-MB			P990818-MB			P990831-MB			P990902-MB			P990903-MB					
Analysis Date	8/23/99			8/24/99			8/17/99			8/30/99			8/31/99			8/18/99			8/31/99			9/02/99			9/03/99					
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL			
Lab Methane (ppmv)							0.50	U	0.50							0.50	U	0.50												
Total Nonmethane (ppmv)							1.0	U	1.0							1.0	U	1.0												
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL			
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)					
1,1,1-Trichloroethane	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
1,1,2-Trichloroethane	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
1,1-Dichloroethane	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,1-Dichloroethene	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,2-Dibromoethane	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13			
1,2-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
1,2-Dichloroethane	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
1,3-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
1,4-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17			
2-Butanone	0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34			
2-Hexanone	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24			
4-Methyl-2-Pentanone	0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24			
Acetone	0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42			
Benzene	0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31			
Bromodichloromethane	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
Bromoform	0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10			
Bromomethane	0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26			
Carbon Disulfide	0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32			
Carbon Tetrachloride	0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16			
Chlorobenzene	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Chloroethane	0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38			
Chloroform	0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20			
Chloromethane	0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48			
cis-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
cis-1,3-Dichloropropane	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Dibromochloromethane	0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12			
Ethylbenzene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
m- &p-Xylene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
Methyl tert-Butyl Ether	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28			
Methylene Chloride	0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29			
o-Xylene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
Styrene	0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23			
Tetrachloroethene	0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15			
Toluene	0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27			
trans-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25			
trans-1,3-Dichloropropene	0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22			
Trichloroethene	0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19			
Trichlorofluoromethane	0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18			
Trichlorotrifluoroethane	0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13			
Vinyl Acetate	0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28			
Vinyl Chloride	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.3

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
AUGUST 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																		
Sample Date	NA			NA			NA			NA			NA			NA		
Field Methane (%)																		
Field PID VOCs (ppm)																		
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P990823-MB			P990824-MB			P990910-MB			P990913-MB			P990909-MB			P990806-MB		
Analysis Date	8/23/99			8/24/99			9/10/99			9/13/99			9/9/99			8/06/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50							0.50	U	0.50			
Total Nonmethane (ppmv)	1.0	U	1.0	1.0	U	1.0							1.0	U	1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane							0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
1,1,2,2-Tetrachloroethane							0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
1,1,2-Trichloroethane							0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
1,1-Dichloroethane							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,1-Dichloroethene							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,2-Dibromoethane							0.13	U	0.13	0.13	U	0.13				0.13	U	0.13
1,2-Dichlorobenzene							0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
1,2-Dichloroethane							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
1,2-Dichloropropane							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
1,3-Dichlorobenzene							0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
1,4-Dichlorobenzene							0.17	U	0.17	0.17	U	0.17				0.17	U	0.17
2-Butanone							0.34	U	0.34	0.34	U	0.34				0.34	U	0.34
2-Hexanone							0.24	U	0.24	0.24	U	0.24				0.24	U	0.24
4-Methyl-2-Pentanone							0.24	U	0.24	0.24	U	0.24				0.24	U	0.24
Acetone							0.42	U	0.42	0.42	U	0.42				0.42	U	0.42
Benzene							0.31	U	0.31	0.31	U	0.31				0.31	U	0.31
Bromodichloromethane							0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
Bromoform							0.10	U	0.10	0.10	U	0.10				0.10	U	0.10
Bromomethane							0.26	U	0.26	0.26	U	0.26				0.26	U	0.26
Carbon Disulfide							0.32	U	0.32	0.32	U	0.32				0.32	U	0.32
Carbon Tetrachloride							0.16	U	0.16	0.16	U	0.16				0.16	U	0.16
Chlorobenzene							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Chloroethane							0.38	U	0.38	0.38	U	0.38				0.38	U	0.38
Chloroform							0.20	U	0.20	0.20	U	0.20				0.20	U	0.20
Chloromethane							0.48	U	0.48	0.48	U	0.48				0.48	U	0.48
cis-1,2-Dichloroethene							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
cis-1,3-Dichloropropane							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Dibromochloromethane							0.12	U	0.12	0.12	U	0.12				0.12	U	0.12
Ethylbenzene							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
m- &p-Xylene							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Methyl tert-Butyl Ether							0.28	U	0.28	0.28	U	0.28				0.28	U	0.28
Methylene Chloride							0.29	U	0.29	0.29	U	0.29				0.29	U	0.29
o-Xylene							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Styrene							0.23	U	0.23	0.23	U	0.23				0.23	U	0.23
Tetrachloroethene							0.15	U	0.15	0.15	U	0.15				0.15	U	0.15
Toluene							0.27	U	0.27	0.27	U	0.27				0.27	U	0.27
trans-1,2-Dichloroethene							0.25	U	0.25	0.25	U	0.25				0.25	U	0.25
trans-1,3-Dichloropropene							0.22	U	0.22	0.22	U	0.22				0.22	U	0.22
Trichloroethene							0.19	U	0.19	0.19	U	0.19				0.19	U	0.19
Trichlorofluoromethane							0.18	U	0.18	0.18	U	0.18				0.18	U	0.18
Trichlorotrifluoroethane							0.13	U	0.13	0.13	U	0.13				0.13	U	0.13
Vinyl Acetate							0.28	U	0.28	0.28	U	0.28				0.28	U	0.28
Vinyl Chloride							0.39	U	0.39	0.39	U	0.39				0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field or laboratory duplicate.
Qualifer U^1 = reported positive results should be considered nondetect due to trace level presence of compound in field, trip and/or laboratory blanks.
Qualifer U^2 = reported positive results for this compound should be considered qualitatively questionable due to trace level presence of the compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE

Sample Location	VW01-035			VW02-035			VW03-035			VW04-023			VW05-029			VW06-034			VW08-035			VW10-035		
Sample Number	WDI-VW01-35-08			WDI-VW02-35-08			WDI-VW03-35-08			WDI-VW04-23-08			WDI-VW05-29-08			WDI-VW06-34-08			WDI-VW08-35-08			WDI-VW10-35-08		
Sample Type	REG			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	35			35			35			23			29			34			35			35		
Sample Date	11/11/99			11/12/99			11/11/19			11/12/99			11/12/99			11/12/99			Not sampled this quarter			10/27/99		
Field Methane (%)	0			0			0			12,200			0			0								
Field PID VOCs (ppm)	2.3			31.7			3.2			8.5			3			8.3								
Laboratory	Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter						Performance Analytical		
Lab Sample ID																						P9902169-004		
Analysis Date																						11/2/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)																						**2.1**		0.50
Total Nonmethane (ppmv)																						**14**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane																						0.73	U	0.73
1,1,2,2-Tetrachloroethane																						0.58	U	0.58
1,1,2-Trichloroethane																						0.73	U	0.73
1,1-Dichloroethane																						**38**		0.99
1,1-Dichloroethene																						1.0	U	1.0
1,2-Dibromoethane																						0.52	U	0.52
1,2-Dichlorobenzene																						0.67	U	0.67
1,2-Dichloroethane																						0.99	U	0.99
1,2-Dichloropropane																						0.87	U	0.87
1,3-Dichlorobenzene																						0.67	U	0.67
1,4-Dichlorobenzene																						0.67	U	0.67
2-Butanone																						**37**		1.4
2-Hexanone																						0.98	U	0.98
4-Methyl-2-Pentanone																						0.98	U	0.98
Acetone																						**8.7**		1.7
Benzene																						**1.4**		1.3
Bromodichloromethane																						0.60	U	0.60
Bromoform																						0.39	U	0.39
Bromomethane																						1.0	U	1.0
Carbon Disulfide																						1.3	U	1.3
Carbon Tetrachloride																						0.64	U	0.64
Chlorobenzene																						0.87	U	0.87
Chloroethane																						1.5	U	1.5
Chloroform																						**0.57**	J	0.82
Chloromethane																						1.9	U	1.9
cis-1,2-Dichloroethene																						**3.3**		1.0
cis-1,3-Dichloropropane																						0.88	U	0.88
Dibromochloromethane																						0.47	U	0.47
Ethylbenzene																						**1.7**		0.92
m- &p-Xylene																						**6.6**		0.92
Methyl tert-Butyl Ether																						**9.1**		1.1
Methylene Chloride																						1.2	U	1.2
o-Xylene																						**3.0**		0.92
Styrene																						0.94	U	0.94
Tetrachloroethene																						**4.2**		0.59
Toluene																						**10**		1.1
trans-1,2-Dichloroethene																						1.0	U	1.0
trans-1,3-Dichloropropene																						0.88	U	0.88
Trichloroethene																						0.74	U	0.74
Trichlorofluoromethane																						0.71	U	0.71
Trichlorotrifluoroethane																						0.52	U	0.52
Vinyl Acetate																						1.1	U	1.1
Vinyl Chloride																						1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW11-035			VW11-035			VW12-034			VW13-031			VW14-035			VW16-034			VW17-035			VW18-036		
Sample Number	WDI-VW11-35-08			WDI-VW11-35-08			WDI-VW12-34-07			WDI-VW13-31-08			WDI-VW14-35-08			WDI-VW16-34-08			WDI-VW17-35-08			WDI-VW18-36-08		
Sample Type	REG			DUP			REG			REG			REG			REG			REG			REG		
Sample Depth	35			35			34			31			35			34			35			36		
Sample Date	10/28/99			10/28/99			11/15/99			11/15/99			Not sampled this quarter			11/11/99			Not sampled this quarter			10/28/99		
Field Methane (%)							0			6,000						0								
Field PID VOCs (ppm)							1.5			1.7						3.9								
Laboratory	Performance Analytical			Performance Analytical			Not analyzed this quarter			Not analyzed this quarter						Not Analyzed this quarter						Performance Analytical		
Lab Sample ID	P9902196-004			P9902196-004DUP																		P9902169-020		
Analysis Date	11/3/99			11/4/99																		11/3/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**4,000**		1,000																			**3.1**		0.50
Total Nonmethane (ppmv)	**15**		1.0																			**510**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**8.8**		0.73	**8.9**		0.73																**14**		7.3
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58																5.8	U	5.8
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73																7.3	U	7.3
1,1-Dichloroethane	**7.7**		0.99	**7.7**		0.99																9.9	U	9.9
1,1-Dichloroethene	**1.1**		1.0	**0.99**	J	1.0																10	U	10
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52																5.2	U	5.2
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67																6.7	U	6.7
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99																9.9	U	9.9
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87																8.7	U	8.7
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67																6.7	U	6.7
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67																6.7	U	6.7
2-Butanone	**28**		1.4	**28**		1.4																14	U	14
2-Hexanone	0.98	U	0.98	0.98	U	0.98																9.8	U	9.8
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98																9.8	U	9.8
Acetone	1.7	U	1.7	1.7	U	1.7																17	U	17
Benzene	**1.8**		1.3	**1.8**		1.3																13	U	13
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60																6.0	U	6.0
Bromoform	0.39	U	0.39	0.39	U	0.39																3.9	U	3.9
Bromomethane	1.0	U	1.0	1.0	U	1.0																10	U	10
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3																13	U	13
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64																6.4	U	6.4
Chlorobenzene	0.87	U	0.87	0.87	U	0.87																8.7	U	8.7
Chloroethane	1.5	U	1.5	1.5	U	1.5																15	U	15
Chloroform	0.82	U	0.82	0.82	U	0.82																8.2	U	8.2
Chloromethane	1.9	U	1.9	1.9	U	1.9																19	U	19
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0																10	U	10
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88																8.8	U	8.8
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47																4.7	U	4.7
Ethylbenzene	**1.4**		0.92	**1.4**		0.92																9.2	U	9.2
m- &p-Xylene	**5.8**		0.92	**5.8**		0.92																**7.8**	J	9.2
Methyl tert-Butyl Ether	**6.4**		1.1	**6.5**		1.1																11	U	11
Methylene Chloride	1.2	U	1.2	1.2	U	1.2																12	U	12
o-Xylene	**2.6**		0.92	**2.6**		0.92																9.2	U	9.2
Styrene	0.94	U	0.94	0.94	U	0.94																9.4	U	9.4
Tetrachloroethene	**5.8**		0.59	**5.7**		0.59																**6.1**		5.9
Toluene	**6.8**		1.1	**6.8**		1.1																11	U	11
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0																10	U	10
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88																8.8	U	8.8
Trichloroethene	**0.99**		0.74	**0.90**		0.74																7.4	U	7.4
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71																7.1	U	7.1
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52																5.2	U	5.2
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1																11	U	11
Vinyl Chloride	**1.4**	J	1.6	**1.4**	J	1.6																16	U	16

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW18-036			VW20-035			VW21-036			VW22-035			VW23-036			VW24-035			VW25-035			VW26-035		
Sample Number	WDI-VW18-36-08			WDI-VW20-35-08			WDI-VW21-36-08			WDI-VW22-35-08			WDI-VW23-36-08			WDI-VW24-35-08			WDI-VW25-35-08			WDI-VW26-35-08		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	36			35			36			35			36			35			35			35		
Sample Date	10/28/99			Not sampled this quarter			Not sampled this quarter			11/10/99			11/15/99			11/15/99			Not sampled this quarter			Not sampled this quarter		
Field Methane (%)													0			0								
Field PID VOCs (ppm)													2.3			1.0								
Laboratory	Performance Analytical									Performance Analytical			Not analyzed this quarter			Not analyzed this quarter								
Lab Sample ID	P9902169-020DUP									P9902275-010														
Analysis Date	11/5/99									11/16/99														
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)										1.0		0.50												
Total Nonmethane (ppmv)										9.5		1.0												
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	13		7.3							4.5	J	7.3												
1,1,2,2-Tetrachloroethane	5.8	U	5.8							5.8	U	5.8												
1,1,2-Trichloroethane	7.3	U	7.3							7.3	U	7.3												
1,1-Dichloroethane	9.9	U	9.9							9.9	U	9.9												
1,1-Dichloroethene	10	U	10							10	U	10												
1,2-Dibromoethane	5.2	U	5.2							5.2	U	5.2												
1,2-Dichlorobenzene	6.7	U	6.7							6.7	U	6.7												
1,2-Dichloroethane	9.9	U	9.9							9.9	U	9.9												
1,2-Dichloropropane	8.7	U	8.7							8.7	U	8.7												
1,3-Dichlorobenzene	6.7	U	6.7							6.7	U	6.7												
1,4-Dichlorobenzene	6.7	U	6.7							6.7	U	6.7												
2-Butanone	14	U	14							14	U	14												
2-Hexanone	9.8	U	9.8							9.8	U	9.8												
4-Methyl-2-Pentanone	9.8	U	9.8							9.8	U	9.8												
Acetone	17	U	17							17	U	17												
Benzene	13	U	13							13	U	13												
Bromodichloromethane	6.0	U	6.0							6.0	U	6.0												
Bromoform	3.9	U	3.9							3.9	U	3.9												
Bromomethane	10	U	10							10	U	10												
Carbon Disulfide	13	U	13							13	U	13												
Carbon Tetrachloride	6.4	U	6.4							6.4	U	6.4												
Chlorobenzene	8.7	U	8.7							8.7	U	8.7												
Chloroethane	15	U	15							15	U	15												
Chloroform	8.2	U	8.2							5.8	J	8.2												
Chloromethane	19	U	19							19	U	19												
cis-1,2-Dichloroethene	10	U	10							10	U	10												
cis-1,3-Dichloropropane	8.8	U	8.8							8.8	U	8.8												
Dibromochloromethane	4.7	U	4.7							4.7	U	4.7												
Ethylbenzene	9.2	U	9.2							9.2	U	9.2												
m- &p-Xylene	7.3	J	9.2							9.2	U	9.2												
Methyl tert-Butyl Ether	11	U	11							11	U	11												
Methylene Chloride	12	U	12							12	U	12												
o-Xylene	9.2	U	9.2							9.2	U	9.2												
Styrene	9.4	U	9.4							9.4	U	9.4												
Tetrachloroethene	6.1		5.9							160		5.9												
Toluene	11	U	11							11	U	11												
trans-1,2-Dichloroethene	10	U	10							10	U	10												
trans-1,3-Dichloropropene	8.8	U	8.8							8.8	U	8.8												
Trichloroethene	7.4	U	7.4							1,500		7.4												
Trichlorofluoromethane	7.1	U	7.1							7.1	U	7.1												
Trichlorotrifluoroethane	5.2	U	5.2							5.2	U	5.2												
Vinyl Acetate	11	U	11							11	U	11												
Vinyl Chloride	16	U	16							16	U	16												

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW27-06			VW27-06			VWFD-27-06			VWFD-27-06			VW27-019			VW27-033			VW28-010			VW28-025		
Sample Number	WDI-VW27-06-08			WDI-VW27-06-08			WDI-VWFD-27-06-08			WDI-VWFD-27-06-08			WDI-VW27-19-08			WDI-VW27-33-08			WDI-VW28-10-08			WDI-VW28-25-08		
Sample Type	REG			DUP			REG			DUP			REG			REG			REG			REG		
Sample Depth	6			6			6			6			19			33			10			25		
Sample Date	11/2/99			11/2/99			11/2/99			11/2/99			11/2/99			11/2/99			11/10/99			11/10/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902220-007			P9902220-007DUP			P9902220-010			P9902220-010DUP			P9902220-008			P9902220-009			P9902287-008			P9902287-009		
Analysis Date	11/10/99			11/17/99			11/10/99			11/12/99			11/10/99			11/10/99			11/23/99			11/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**1.2**		0.50				**1.2**		0.50				**0.90**		0.50	**2.6**		0.50	**1.1**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**7.6**		1.0				**6.6**		1.0				**34**		1.0	**23**		1.0	**3.7**		1.0	**9.2**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**33**	J^1	1.4	**34**		1.4	**43**	J^1	1.4	**49**		1.4	**12**		1.4	**15**		1.4	**0.91**	J	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**10**	J^1	1.7	**9.8**		1.7	**14**	J^1	1.7	**14**		1.7	**8.9**		1.7	**5.2**		1.7	**7.6**		1.7	**5.3**		1.7
Benzene	**0.99**	J	1.3	**1.0**	J	1.3	**1.0**	J	1.3	**1.0**	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	UJ	1.0	1.0	UJ	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	J^1	1.3	1.3	U	1.3	**5.1**	J^1	1.3	**5.0**		1.3	**4.4**		1.3	**3.6**		1.3	**4.2**		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	**0.56**	J	0.82	**1.1**		0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	**1.5**	J	1.9	**1.4**	J	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**2.0**		0.92	**2.0**		0.92	**2.1**		0.92	**2.1**		0.92	**0.85**	J	0.92	**0.60**	J	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**8.2**		0.92	**8.2**		0.92	**8.9**		0.92	**8.9**		0.92	**3.4**		0.92	**2.6**		0.92	**0.84**	J	0.92	**0.80**	J	0.92
Methyl tert-Butyl Ether	**7.9**	J^1	1.1	**7.8**		1.1	**5.6**	J^1	1.1	**5.5**		1.1	**2.6**		1.1	**2.6**		1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**3.4**		0.92	**3.4**		0.92	**4.1**		0.92	**4.0**		0.92	**1.5**		0.92	**1.2**		0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	**0.68**	J	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	***0.95***		0.59	***0.92***		0.59	***0.84***		0.59	***0.90***		0.59	***1.2***		0.59	0.59	U	0.59	***5.8***		0.59	***21***		0.59
Toluene	**8.8**		1.1	**8.8**		1.1	**8.1**		1.1	**8.2**		1.1	**3.7**		1.1	**2.5**		1.1	**2.0**		1.1	**2.1**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	**0.47**	J	0.71	**0.71**	J	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**5.0**		0.52	**16**		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW28-025			VW29-010			VW29-023			VW29-035			VW30-07			VWFD30-07			VW30-023			VW30-035		
Sample Number	WDI-VW28-25-08			WDI-VW29-10-08			WDI-VW29-23-08			WDI-VW29-35-08			WDI-VW30-07-08			WDI-VWFD30-07-08			WDI-VW30-23-08			WDI-VW30-35-08		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	25			10			23			35			7			7			23			35		
Sample Date	11/10/99			11/10/99			11/10/99			11/10/99			11/11/99			11/11/99			11/11/99			11/11/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902287-009DUP			P9902287-010			P9902287-011			P9902287-012			P9902287-017			P9902287-020			P9902287-018			P9902287-019		
Analysis Date	11/24/99			11/23/99			11/23/99			11/23/99			11/23/99			11/23/99			11/23/99			11/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				0.50	U	0.50	0.50	U	0.50	0.88		0.50	0.50	U	0.50	0.81		0.50	0.91		0.50	7.2		0.50
Total Nonmethane (ppmv)				4.8		1.0	7.4		1.0	14		1.0	8.7		1.0	10		1.0	16		1.0	19		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	7.6		0.73	7.6		0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	4.2		1.4	26		1.4	1.4	U	1.4	3.1	J[1]	1.4	6.8	J[1]	1.4	3.4		1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	5.3		1.7	7.7		1.7	7.3		1.7	17		1.7	8.5	J[1]	1.7	11	J[1]	1.7	1.7	U	1.7	1.7	U	1.7
Benzene	1.3	U	1.3	0.91	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	1.9		1.3	4.3		1.3	9.4		1.3	1.3	U	1.3	1.3	U	1.3	2.3		1.3	1.8		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	1.1		0.82	0.82	U	0.82	0.82	U	0.82	6.7		0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	2.7		1.9	1.9	U	1.9	1.9	U	1.9	3.4		1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	0.71	J	0.92	0.92		0.92	0.92	U	0.92	1.1		0.92	0.85	J	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	0.79	J	0.92	2.4		0.92	4.5		0.92	2.0		0.92	3.8	J[1]	0.92	2.9	J[1]	0.92	0.74	J	0.92	0.75	J	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.5		1.1	1.1	U	1.1	1.1	U	1.1	1.5		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	0.78	J	0.92	0.74	J	0.92	0.92	U	0.92	1.1		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	21		0.59	2.6		0.59	6.8		0.59	16		0.59	1.9		0.59	2.0		0.59	180		0.59	220		0.59
Toluene	2.2		1.1	5.3		1.1	2.8		1.1	3.8		1.1	6.7	J[1]	1.1	5.1	J[1]	1.1	2.4		1.1	2.1		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.63	J	0.74	0.74	U	0.74	0.74	U	0.74	2.7		0.74	4.8		0.74
Trichlorofluoromethane	0.71		0.71	0.50	J	0.71	0.76		0.71	1.2		0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	16		0.52	2.2		0.52	7.0		0.52	16		0.52	0.52	U	0.52	0.52	U	0.52	1.7		0.52	1.9		0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	3.5		1.1	1.6		1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW31-010			VW31-010			VWFD-31-010			VW31-030			VWFD-31-030			VWFD-31-030			VW32-08			VW32-08		
Sample Number	WDI-VW31-10-08			WDI-VW31-10-08			WDI-VWFD-31-10-08			WDI-VW31-30-08			WDI-VWFD-31-30-08			WDI-VWFD-31-30-08			WDI-VW32-08-08			WDI-VW32-08-08		
Sample Type	REG			DUP			REG			REG			REG			DUP			REG			DUP		
Sample Depth	10			10			10			30			30			30			8			8		
Sample Date	11/11/99			11/11/99			11/11/99			11/11/99			11/11/99			11/11/99			11/10/99			11/10/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902310-001			P9902310-001DUP			P9902310-003			P9902310-002			P9902310-004			P9902310-004DUP			P9902275-013			P9902275-013DUP		
Analysis Date	11/29/99			11/30/99			11/29/99			11/29/99			11/29/99			11/29/99			11/16/99			11/22/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	**1.9**		0.50			
Total Nonmethane (ppmv)	**6.0**	J^1	1.0				**4.6**	J^1	1.0	**20**	J^1	1.0	**9.1**	J^1	1.0	**9.1**		1.0	1.0	U	1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				**0.55**	J	0.73	**0.56**	J	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	**0.49**	J	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67
2-Butanone	**2.5**	J^1	1.4	**2.3**	J^1	1.4	**5.4**	J^1	1.4	**2.1**		1.4	**1.7**		1.4				**4.0**		1.4	**4.0**		1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98
Acetone	**5.5**	J^1	1.7	**5.1**	J^1	1.7	**13**	J^1	1.7	**34**	J^1	1.7	**11**	J^1	1.7				**7.3**		1.7	**7.3**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3				**0.81**	J	1.3	**0.83**	J	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	**2.3**		1.3	**44**	J^1	1.3	1.3	J^1	1.3				**1.6**		1.3	**1.6**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**1.3**		0.92	**1.3**		0.92	**2.1**		0.92	**1.0**		0.92	**0.74**	J	0.92				**1.2**		0.92	**1.2**		0.92
m- &p-Xylene	**4.5**	J^3	0.92	**4.5**	J^3	0.92	**7.7**	J^3	0.92	**3.9**	J^3	0.92	**2.7**	J^3	0.92				**4.8**		0.92	**4.8**		0.92
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	**0.76**	J	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2
o-Xylene	**0.82**	J^1	0.92	**0.85**	J^1	0.92	**1.9**	J^1	0.92	**0.96**		0.92	**0.76**	J	0.92				**1.8**		0.92	**1.8**		0.92
Styrene	0.94	J^1	0.94	0.94	J^1	0.94	**21**	J^1	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**13**		0.59	**13**		0.59	**13**		0.59	**34**		0.59	**32**		0.59				**0.42**	J	0.59	**0.46**	J	0.59
Toluene	**7.2**		1.1	**7.2**	J^1	1.1	**11**	J^1	1.1	**4.6**	J^1	1.1	**3.4**	J^1	1.1				**5.9**		1.1	**6.0**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**3.6**		0.74	**3.6**		0.74				0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.70**	J	0.71	**0.68**		0.71	**0.69**	J	0.71	**0.91**		0.71	**0.89**		0.71				0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**0.86**		0.52	**0.88**		0.52				0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	J^1	1.1	1.1	J^1	1.1	**3.4**	J^1	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW32-018			VWFD32-018			VW32-035			VW33-010			VW33-038			VW34-010			VW34-023			VW34-040		
Sample Number	WDI-VW32-18-08			WDI-VWFD32-18-08			WDI-VW32-35-08			WDI-VW33-10-08			WDI-VW33-38-08			WDI-VW34-10-08			WDI-VW34-23-08			WDI-VW34-40-08		
Sample Type	REG			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	18			18			35			10			38			10			23			40		
Sample Date	11/10/99			11/10/99			11/10/99			10/27/99			10/27/99			10/28/99			10/28/99			10/28/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902275-014			P9902275-016			P9902275-015			P9902169-005			P9902169-006			P9902169-015			P9902169-016			P9902169-017		
Analysis Date	11/16/99			11/16/99			11/16/99			11/2/99			11/2/99			11/3/99			11/3/99			11/3/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.84		0.50	1.9		0.50	0.93		0.50	0.57		0.50	0.96		0.50
Total Nonmethane (ppmv)	5.9		1.0	6.3		1.0	8.7		1.0	9.9		1.0	11		1.0	8.6		1.0	13		1.0	16		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	4.8		0.73	4.8		0.73	5.7		0.73	2.3		0.73	3.0		0.73	1.7		0.73	0.62	J	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	5.2	J[1]	1.4	11	J[1]	1.4	4.2		1.4	8.9	U[1]	1.4	25		1.4	19	U[1]	1.4	21		1.4	20	U[1]	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	7.3		1.7	5.6		1.7	6.2		1.7	7.3		1.7	5.6		1.7	9.1		1.7	3.3		1.7	3.1		1.7
Benzene	0.86	J	1.3	1.3	U	1.3	0.85	J	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	6.5	J[1]	1.3	10	J[1]	1.3	4.9		1.3	3.6		1.3	1.3	U	1.3	2.0		1.3	1.3	U	1.3	6.0		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	1.2		0.82	0.82	U	0.82	3.6		0.82	0.82	U	0.82	1.5		0.82	3.0		0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.2		1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	1.9		0.92	1.4		0.92	1.5		0.92	0.86	J	0.92	0.80	J	0.92	0.80	J	0.92	0.59	J	0.92	0.59	J	0.92
m- &p-Xylene	6.6	J[1]	0.92	4.9	J[1]	0.92	6.3		0.92	3.5		0.92	3.2		0.92	3.3		0.92	2.5		0.92	2.4		0.92
Methyl tert-Butyl Ether	2.1	J[1]	1.1	3.4	J[1]	1.1	1.1	U	1.1	1.0	U[1]	1.1	3.1	U[1]	1.1	2.6	U[1]	1.1	2.8	U[1]	1.1	2.9	U[1]	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	1.6		0.92	1.3		0.92	2.3		0.92	1.7		0.92	1.4		0.92	1.4		0.92	1.1		0.92	1.0		0.92
Styrene	1.3		0.94	0.63	J	0.94	0.70	J	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	1.5		0.59	1.5		0.59	2.7		0.59	1.4		0.59	14		0.59	2.6		0.59	7.6		0.59	9.3		0.59
Toluene	11	J[1]	1.1	8.1	J[1]	1.1	5.7		1.1	3.0	U[1]	1.1	3.9	U[1]	1.1	3.8	U[1]	1.1	3.0	U[1]	1.1	2.7	U[1]	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	1.2		0.74	0.74	U	0.74	180		0.74	0.74	U	0.74	0.74	U	0.74	4.8		0.74
Trichlorofluoromethane	0.88		0.71	0.88		0.71	0.99		0.71	0.55	J	0.71	0.49	J	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.93		0.52	0.89		0.52	1.4		0.52	0.52	U	0.52	0.68		0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW35-010			VW35-010			VW35-038			VW35-038			VW36-010			VW36-030			VW37-010			VW37-030		
Sample Number	WDI-VW35-10-08			WDI-VW35-10-08			WDI-VW35-38-08			WDI-VW35-38-08			WDI-VW36-10-08			WDI-VW36-30-08			WDI-VW37-10-08			WDI-VW37-30-08		
Sample Type	REG			DUP			REG			DUP			REG			REG			REG			REG		
Sample Depth	10			10			38			38			10			30			10			30		
Sample Date	10/28/99			10/28/99			10/28/99			10/28/99			11/10/99			11/10/99			10/29/99			10/29/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	*P9902169-018*			*P9902169-018DUP*			*P9902169-019*			*P9902169-019DUP*			*P9902275-011*			*P9902275-012*			*P9902206-003*			*P9902206-004*		
Analysis Date	11/3/99			11/4/99			11/3/99			11/3/99			11/16/99			11/16/99			11/4/99			11/4/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50				**2.9**		0.50	**3.0**		0.50	0.50	U	0.50	0.50	U	0.50	**1.6**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**6.7**		1.0				**17**		1.0	**16**		1.0	**7.0**		1.0	**12**		1.0	**2.8**		1.0	**14**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**7.5**		0.73	**7.3**		0.73	**3.6**		0.73				0.73	U	0.73	0.73	U	0.73	**1.6**		0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	**1.0**		0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**11**	U^1	1.4	**11**	U^1	1.4	**32**		1.4				**22**		1.4	**11**		1.4	**14**		1.4	**11**		1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	**1.1**		0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	**5.1**		0.98				**3.2**		0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**4.6**		1.7	**3.9**		1.7	**27**	J^2	1.7				**23**		1.7	**4.3**		1.7	**8.2**		1.7	**5.1**		1.7
Benzene	1.3	U	1.3	1.3	U	1.3	**0.95**	J	1.3				**2.0**		1.3	**1.1**	J	1.3	**1.2**	J	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	**2.3**		1.3	**2.0**		1.3	1.3	U	1.3				1.3	U	1.3	**6.0**		1.3	**2.1**		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	**25**		0.82				0.82	U	0.82	**0.83**		0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				**1.7**	J	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**0.69**	J	0.92	**0.85**	J	0.92	**1.6**		0.92				**2.6**		0.92	**1.6**		0.92	**1.1**		0.92	**0.59**	J	0.92
m- &p-Xylene	**2.9**		0.92	**3.3**		0.92	**5.8**		0.92				**9.9**		0.92	**6.4**		0.92	**4.3**		0.92	**2.5**		0.92
Methyl tert-Butyl Ether	**2.7**	U^1	1.1	**2.6**	U^1	1.1	**1.9**	U^1	1.1				**3.6**		1.1	**8.9**		1.1	**4.8**		1.1	**2.0**		1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**1.5**		0.92	**1.6**		0.92	**2.4**		0.92				**3.1**		0.92	**2.1**		0.92	**1.8**		0.92	**1.1**		0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**6.1**		0.59	**6.1**		0.59	**66**		0.59				**0.97**		0.59	**3.4**		0.59	**0.78**		0.59	**6.2**		0.59
Toluene	**3.1**	U^1	1.1	**3.3**	U^1	1.1	**17**		1.1				**13**		1.1	**7.4**		1.1	**5.4**		1.1	**2.4**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	**27**		0.74	**27**		0.74	***730***		0.74				0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**1.8**		0.74
Trichlorofluoromethane	**0.71**		0.71	**0.73**		0.71	**0.94**		0.71				0.71	U	0.71	**0.64**	J	0.71	0.71	U	0.71	**3.4**		0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	**1.1**		0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW38-010			VW38-034			VW39-07			VW39-07			VW39-030			VW40-010			VW40-010			VW40-025		
Sample Number	WDI-VW38-10-08			WDI-VW38-34-08			WDI-VW39-07-08			WDI-VW39-07-08			WDI-VW39-30-08			WDI-VW40-10-08			WDI-VW40-10-08			WDI-VW40-25-08		
Sample Type	REG			REG			REG			DUP			REG			REG			DUP			REG		
Sample Depth	10			34			7			7			30			10			10			25		
Sample Date	10/29/99			10/29/99			10/29/99			10/29/99			10/29/99			11/9/99			11/9/99			11/9/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902206-005			P9902206-006			P9902206-007			P9902206-007DUP			P9902206-008			P9902261-001			P9902261-001DUP			P9902261-002		
Analysis Date	11/4/99			11/4/99			11/4/99			11/4/99			11/4/99			11/15/99			11/18/99			11/15/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.54**		0.50	**54**		0.50	**1.4**		0.50	**1.4**		0.50	**0.69**		0.50	**2,010**		1,000				**3.1**		0.50
Total Nonmethane (ppmv)	**14**		1.0	**84**		1.0	**7.8**		1.0	**7.2**		1.0	**12**		1.0	**3.4**		1.0				**7.8**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**1.2**		0.73	7.3	U	7.3	**4.9**		0.73				**1.2**		0.73	**6.7**		0.73	**6.7**		0.73	**1.2**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	5.8	U	5.8	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	7.3	U	7.3	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	9.9	U	9.9	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	**2.9**		1.0	10	U	10	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	5.2	U	5.2	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	6.7	U	6.7	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	9.9	U	9.9	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	8.7	U	8.7	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	6.7	U	6.7	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	6.7	U	6.7	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	**18**		1.4	14	U	14	**20**		1.4				**13**		1.4	**12**		1.4	**12**		1.4	**17**		1.4
2-Hexanone	0.98	U	0.98	9.8	U	9.8	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	9.8	U	9.8	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**10**		1.7	17	U	17	**7.2**		1.7				**5.9**		1.7	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7
Benzene	1.3	U	1.3	13	U	13	1.3	U	1.3				1.3	U	1.3	**14**		1.3	**14**		1.3	**2.3**		1.3
Bromodichloromethane	0.60	U	0.60	6.0	U	6.0	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	3.9	U	3.9	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	10	U	10	1.0	U	1.0				1.0	U	1.0	1.0	UJ	1.0	1.0	UJ	1.0	1.0	U	1.0
Carbon Disulfide	**7.3**		1.3	13	U	13	1.3	U	1.3				1.3	U	1.3	**2.3**		1.3	**2.3**		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	6.4	U	6.4	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	8.7	U	8.7	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	15	U	15	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	**0.58**	J	0.82	8.2	U	8.2	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	19	U	19	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	10	U	10	1.0	U	1.0				1.0	U	1.0	**0.79**	J	1.0	**0.75**	J	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	8.8	U	8.8	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	4.7	U	4.7	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	**0.85**	J	0.92	9.2	U	9.2	**1.2**		0.92				**0.81**	J	0.92	**3.8**		0.92	**3.8**		0.92	**3.5**		0.92
m- &p-Xylene	**3.6**		0.92	9.2	U	9.2	**4.6**		0.92				**3.4**		0.92	**15**		0.92	**15**		0.92	**13**		0.92
Methyl tert-Butyl Ether	**3.6**		1.1	11	U	11	**3.1**		1.1				**3.5**		1.1	**12**		1.1	**12**		1.1	**39**		1.1
Methylene Chloride	1.2	U	1.2	12	U	12	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	**1.7**		0.92	9.2	U	9.2	**2.0**		0.92				**1.5**		0.92	**5.9**		0.92	**6.1**		0.92	**4.9**		0.92
Styrene	0.94	U	0.94	9.4	U	9.4	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**2.0**		0.59	**6.0**		5.9	**8.0**		0.59				**10**		0.59	**4.3**		0.59	**4.4**		0.59	**80**		0.59
Toluene	**3.7**		1.1	11	U	11	**6.3**		1.1				**3.5**		1.1	**14**		1.1	**13**		1.1	**21**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	10	U	10	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	8.8	U	8.8	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	7.4	U	7.4	0.74	U	0.74				0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	**2.1**		0.74
Trichlorofluoromethane	0.71	U	0.71	7.1	U	7.1	**0.86**		0.71				**0.82**		0.71	**3.1**		0.71	**3.1**		0.71	**6.3**		0.71
Trichlorotrifluoroethane	0.52	U	0.52	5.2	U	5.2	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	**1.6**		0.52
Vinyl Acetate	1.1	U	1.1	11	U	11	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	16	U	16	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW41-07			VW41-07			VW41-020			VW42-010			VW42-030			VW43-09			VW43-019			VW43-032		
Sample Number	WDI-VW41-07-08			WDI-VW41-07-08			WDI-VW41-20-08			WDI-VW42-10-08			WDI-VW42-30-08			WDI-VW43-09-08			WDI-VW43-19-08			WDI-VW43-32-08		
Sample Type	REG			DUP			REG			REG			REG			REG			REG			REG		
Sample Depth	7			7			20			10			30			9			19			32		
Sample Date	10/29/99			10/29/99			10/29/99			11/9/99			11/9/99			11/15/99			11/15/99			11/15/99		
Field Methane (%)																0			21,000			13,000		
Field PID VOCs (ppm)																1.5			1.6			1.5		
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter		
Lab Sample ID	P9902206-001			P9902206-001DUP			P9902206-002			P9902275-007			P9902275-008											
Analysis Date	11/4/99			11/6/99			11/4/99			11/16/99			11/16/99											
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	1.5		0.50				0.50	U	0.50	0.50	U	0.50	0.50	U	0.50									
Total Nonmethane (ppmv)	2.5		1.0				7.0		1.0	5.0		1.0	20		1.0									
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	3.1		0.92	3.1		0.92	7.4		0.73	0.73	U	0.73	0.73	U	0.73									
1,1,2,2-Tetrachloroethane	0.73	U	0.73	0.73	U	0.73	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58									
1,1,2-Trichloroethane	0.92	U	0.92	0.92	U	0.92	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73									
1,1-Dichloroethane	1.2	U	1.2	1.2	U	1.2	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99									
1,1-Dichloroethene	1.3	U	1.3	1.3	U	1.3	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0									
1,2-Dibromoethane	0.65	U	0.65	0.65	U	0.65	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52									
1,2-Dichlorobenzene	0.83	U	0.83	0.83	U	0.83	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67									
1,2-Dichloroethane	1.2	U	1.2	1.2	U	1.2	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99									
1,2-Dichloropropane	1.1	U	1.1	1.1	U	1.1	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87									
1,3-Dichlorobenzene	0.83	U	0.83	0.83	U	0.83	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67									
1,4-Dichlorobenzene	0.83	U	0.83	0.83	U	0.83	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67									
2-Butanone	12		1.7	12		1.7	14		1.4	5.2		1.4	7.9		1.4									
2-Hexanone	1.2	U	1.2	1.2	U	1.2	0.98	U	0.98	0.98	U	0.98	1.7		0.98									
4-Methyl-2-Pentanone	1.2	U	1.2	1.2	U	1.2	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98									
Acetone	5.1		2.1	5.2		2.1	1.7	U	1.7	2.4		1.7	41		1.7									
Benzene	1.1	J	1.6	1.1	J	1.6	1.3	U	1.3	0.99	J	1.3	1.1	J	1.3									
Bromodichloromethane	0.75	U	0.75	0.75	U	0.75	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60									
Bromoform	0.48	U	0.48	0.48	U	0.48	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39									
Bromomethane	1.3	U	1.3	1.3	U	1.3	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0									
Carbon Disulfide	1.6	U	1.6	1.6	U	1.6	1.8		1.3	8.0		1.3	29		1.3									
Carbon Tetrachloride	0.80	U	0.80	0.80	U	0.80	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64									
Chlorobenzene	1.1	U	1.1	1.1	U	1.1	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87									
Chloroethane	1.9	U	1.9	1.9	U	1.9	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5									
Chloroform	1.0	U	1.0	1.0	U	1.0	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82									
Chloromethane	2.4	U	2.4	2.4	U	2.4	1.9	U	1.9	3.5		1.9	2.2		1.9									
cis-1,2-Dichloroethene	1.3	U	1.3	1.3	U	1.3	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0									
cis-1,3-Dichloropropane	1.1	U	1.1	1.1	U	1.1	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88									
Dibromochloromethane	0.59	U	0.59	0.59	U	0.59	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47									
Ethylbenzene	0.99	J	1.2	0.98	J	1.2	0.70	J	0.92	1.2		0.92	1.2		0.92									
m- &p-Xylene	3.8		1.2	3.8		1.2	2.9		0.92	5.3		0.92	5.5		0.92									
Methyl tert-Butyl Ether	2.4		1.4	2.3		1.4	2.3		1.1	1.1	U	1.1	1.1	U	1.1									
Methylene Chloride	1.4	U	1.4	1.4	U	1.4	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2									
o-Xylene	1.5		1.2	1.4		1.2	1.2		0.92	1.9		0.92	1.9		0.92									
Styrene	1.2	U	1.2	1.2	U	1.2	0.94	U	0.94	0.94	U	0.94	0.79	J	0.94									
Tetrachloroethene	84		0.74	84		0.74	28		0.59	5.3		0.59	8.9		0.59									
Toluene	5.5		1.3	5.6		1.3	3.2		1.1	5.6		1.1	6.2		1.1									
trans-1,2-Dichloroethene	1.3	U	1.3	1.3	U	1.3	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0									
trans-1,3-Dichloropropene	1.1	U	1.1	1.1	U	1.1	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88									
Trichloroethene	0.93	U	0.93	0.93	U	0.93	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74									
Trichlorofluoromethane	0.89	U	0.89	0.89	U	0.89	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71									
Trichlorotrifluoroethane	0.65	U	0.65	0.65	U	0.65	0.52	U	0.52	0.52	U	0.52	0.76		0.52									
Vinyl Acetate	1.4	U	1.4	1.4	U	1.4	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1									
Vinyl Chloride	2.0	U	2.0	2.0	U	2.0	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6									

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW44-07			VW44-016			VW44-016			VW44-016			VW44-030			VW45-013			VW45-013			VW45-022		
Sample Number	WDI-VW44-07-08			WDI-VW44-16-08			WDI-VW44-16-08			WDI-VW44-16-08			WDI-VW44-30-08			WDI-VW45-13-08			WDI-VW45-13-08			WDI-VW45-22-08		
Sample Type	REG			REG			DUP			DUP			REG			REG			DUP			REG		
Sample Depth	7			16			16			16			30			13			13			22		
Sample Date	10/28/99			10/28/99			10/28/99			10/28/99			10/28/99			11/10/99			11/10/99			11/10/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902196-001			P9902196-002			P9902196-002DUP			P9902196-002DUP			P9902196-003			P9902287-004			P9902287-004DUP			P9902287-005		
Analysis Date	11/3/99			11/3/99			11/4/99			11/3/99			11/3/99			11/23/99			11/23/99			11/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**7,700**		1,000	**22**		0.50				**22**		0.50	**84**		0.50	***168,000***		1,000	***168,000***			***140,000***		1,000
Total Nonmethane (ppmv)	**14**		1.0	**10**		1.0				**8.8**		1.0	**19**		1.0	**66,000**		13	**66,000**		13	**39,000**		13
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	**72**		0.73	**71**		0.73				**260**		0.73	920	U	920				370	U	370
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	730	U	730				290	U	290
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	920	U	920				370	U	370
1,1-Dichloroethane	**1.1**		0.99	**14**		0.99	**14**		0.99				**78**		0.99	1,200	U	1,200				490	U	490
1,1-Dichloroethene	1.0	U	1.0	**8.8**		1.0	**8.7**		1.0				**16**		1.0	1,300	U	1,300				500	U	500
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	650	U	650				260	U	260
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	830	U	830				330	U	330
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	1,200	U	1,200				490	U	490
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				**4.7**		0.87	1,100	U	1,100				430	U	430
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	830	U	830				330	U	330
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	830	U	830				330	U	330
2-Butanone	**13**		1.4	**8.9**		1.4	**8.6**		1.4				**13**		1.4	1,700	U	1,700				680	U	680
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	1,200	U	1,200				490	U	490
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	1,200	U	1,200				490	U	490
Acetone	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7				1.7	U	1.7	2,100	U	2,100				840	U	840
Benzene	**4.5**		1.3	**0.98**	J	1.3	**0.96**	J	1.3				1.3	U	1.3	***45,000***		1,600				***3,600***	J^1	630
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	750	U	750				300	U	300
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	480	U	480				190	U	190
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1,300	U	1,300				520	U	520
Carbon Disulfide	**2.8**		1.3	**4.1**		1.3	**4.2**		1.3				**3.1**		1.3	1,600	U	1,600				640	U	640
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	800	U	800				320	U	320
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	1,100	U	1,100				430	U	430
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5				**1.2**	J	1.5	1,900	U	1,900				760	U	760
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	1,000	U	1,000				410	U	410
Chloromethane	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9				**1.5**	J	1.9	2,400	U	2,400				970	U	970
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	***1,100***	J	1,300				500	U	500
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	1,100	U	1,100				440	U	440
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	590	U	590				230	U	230
Ethylbenzene	**1.3**		0.92	**1.0**		0.92	**1.0**		0.92				**0.68**	J	0.92	**8,700**		1,200				***3,600***	J^1	460
m- &p-Xylene	**4.5**		0.92	**4.1**		0.92	**4.0**		0.92				**2.8**		0.92	***32,000***		1,200				***8,200***	J^3	460
Methyl tert-Butyl Ether	**3.4**		1.1	**3.5**		1.1	**3.4**		1.1				1.1	U	1.1	1,400	U	1,400				550	U	550
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1,400	U	1,400				580	U	580
o-Xylene	**2.3**		0.92	**1.7**		0.92	**1.6**		0.92				**1.3**		0.92	***9,900***		1,200				**5,100**	J^1	460
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	1,200	U	1,200				470	U	470
Tetrachloroethene	**1.8**		0.59	**0.48**	J	0.59	**0.52**	J	0.59				**2.3**		0.59	740	U	740				300	U	300
Toluene	**9.4**		1.1	**4.6**		1.1	**4.6**		1.1				**2.8**		1.1	***24,000***		1,300				**2,200**	J^1	530
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	***1,900***		1,300				**480**	J^1	500
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	1,100	U	1,100				440	U	440
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74				0.74	U	0.74	930	U	930				370	U	370
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71				0.71	U	0.71	890	U	890				360	U	360
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	650	U	650				260	U	260
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1,400	U	1,400				570	U	570
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6				**1.8**		1.6	***66,000***		2,000				***17,000***		780

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VWFD45-022			VW45-030			VW46-07			VWFD46-07			VWFD46-07			VW46-015			VW46-027			VW47-08		
Sample Number	WDI-VWFD45-22-08			WDI-VW45-30-08			WDI-VW46-07-08			WDI-VWFD46-07-08			WDI-VWFD46-07-08			WDI-VW46-15-08			WDI-VW46-27-08			WDI-VW47-08-08		
Sample Type	REG			REG			REG			DUP			DUP			REG			REG			REG		
Sample Depth	22			30			7			7			7			15			27			8		
Sample Date	11/10/99			11/10/99			11/9/99			11/9/99			11/9/99			11/9/99			11/9/99			11/15/99		
Field Methane (%)																						0		
Field PID VOCs (ppm)																						1.7		
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Not analyzed this quarter		
Lab Sample ID	P9902287-007			P9902287-006			P9902261-003			P9902261-004			P9902261-004DUP			P9902261-005			P9902261-006					
Analysis Date	11/23/99			11/23/99			11/15/99			11/15/99			11/15/99			11/15/99			11/15/99					
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	***138,000***		1,000	***17,800***		1,000	***32,200***		1,000	***31,500***		1,000	***31,500***		1,000	0.50	U	0.50	0.50	U	0.50			
Total Nonmethane (ppmv)	**38,000**		13	**1,300**		13	**56**		1.0	**58**		1.0	**57**		1.0	**13**		1.0	**12**		1.0			
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	370	U	370	37	U	37	**9.3**		1.8	**10**		1.8				**24**		1.8	**2.7**		1.8			
1,1,2,2-Tetrachloroethane	290	U	290	29	U	29	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5			
1,1,2-Trichloroethane	370	U	370	37	U	37	1.8	U	1.8	1.8	U	1.8				1.8	U	1.8	1.8	U	1.8			
1,1-Dichloroethane	490	U	490	49	U	49	**37**		2.5	**41**		2.5				2.5	U	2.5	2.5	U	2.5			
1,1-Dichloroethene	500	U	500	50	U	50	**2.0**	J	2.5	**2.2**	J	2.5				2.5	U	2.5	2.5	U	2.5			
1,2-Dibromoethane	260	U	260	26	U	26	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3			
1,2-Dichlorobenzene	330	U	330	33	U	33	1.7	U	1.7	1.7	U	1.7				1.7	U	1.7	1.7	U	1.7			
1,2-Dichloroethane	490	U	490	49	U	49	2.5	U	2.5	2.5	U	2.5				2.5	U	2.5	2.5	U	2.5			
1,2-Dichloropropane	430	U	430	43	U	43	2.2	U	2.2	2.2	U	2.2				2.2	U	2.2	2.2	U	2.2			
1,3-Dichlorobenzene	330	U	330	33	U	33	1.7	U	1.7	1.7	U	1.7				1.7	U	1.7	1.7	U	1.7			
1,4-Dichlorobenzene	330	U	330	33	U	33	1.7	U	1.7	1.7	U	1.7				1.7	U	1.7	1.7	U	1.7			
2-Butanone	680	U	680	68	U	68	**25**		3.4	**25**		3.4				**11**		3.4	**15**		3.4			
2-Hexanone	490	U	490	49	U	49	2.4	U	2.4	2.4	U	2.4				2.4	U	2.4	2.4	U	2.4			
4-Methyl-2-Pentanone	490	U	490	49	U	49	2.4	U	2.4	2.4	U	2.4				2.4	U	2.4	2.4	U	2.4			
Acetone	840	U	840	84	U	84	4.2	U	4.2	4.2	U	4.2				4.2	U	4.2	**6.0**		4.2			
Benzene	***4,800***	J[1]	630	63	U	63	**6.0**		3.1	**6.8**		3.1				3.1	U	3.1	3.1	U	3.1			
Bromodichloromethane	300	U	300	30	U	30	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5			
Bromoform	190	U	190	19	U	19	0.97	U	0.97	0.97	U	0.97				0.97	U	0.97	0.97	U	0.97			
Bromomethane	520	U	520	52	U	52	2.6	U	2.6	2.6	U	2.6				2.6	UJ	2.6	2.6	UJ	2.6			
Carbon Disulfide	640	U	640	64	U	64	**5.7**		3.2	3.2	U	3.2				3.2	U	3.2	3.2	U	3.2			
Carbon Tetrachloride	320	U	320	32	U	32	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6			
Chlorobenzene	430	U	430	43	U	43	2.2	U	2.2	2.2	U	2.2				2.2	U	2.2	2.2	U	2.2			
Chloroethane	760	U	760	76	U	76	3.8	U	3.8	3.8	U	3.8				3.8	U	3.8	3.8	U	3.8			
Chloroform	410	U	410	41	U	41	2.0	U	2.0	2.0	U	2.0				2.0	U	2.0	2.0	U	2.0			
Chloromethane	970	U	970	97	U	97	4.8	U	4.8	4.8	U	4.8				4.8	U	4.8	4.8	U	4.8			
cis-1,2-Dichloroethene	500	U	500	50	U	50	**8.1**		2.5	**8.9**		2.5				2.5	U	2.5	2.5	U	2.5			
cis-1,3-Dichloropropane	440	U	440	44	U	44	2.2	U	2.2	2.2	U	2.2				2.2	U	2.2	2.2	U	2.2			
Dibromochloromethane	230	U	230	23	U	23	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2			
Ethylbenzene	**4,800**	J[1]	460	46	U	46	**7.7**		2.3	**8.4**		2.3				2.3	U	2.3	2.3	U	2.3			
m- &p-Xylene	***11,000***	J[3]	460	46	U	46	**17**		2.3	**19**		2.3				**4.7**		2.3	**5.5**		2.3			
Methyl tert-Butyl Ether	550	U	550	55	U	55	2.8	U	2.8	2.8	U	2.8				2.8	U	2.8	**2.7**	J	2.8			
Methylene Chloride	580	U	580	58	U	58	2.9	U	2.9	2.9	U	2.9				2.9	U	2.9	2.9	U	2.9			
o-Xylene	**6,800**	J[1]	460	46	U	46	**5.7**		2.3	**7.0**		2.3				**1.6**	J	2.3	**1.9**	J	2.3			
Styrene	470	U	470	47	U	47	2.3	U	2.3	2.3	U	2.3				2.3	U	2.3	2.3	U	2.3			
Tetrachloroethene	300	U	300	30	U	30	1.5	U	1.5	1.5	U	1.5				**190**		1.5	**180**		1.5			
Toluene	**2,900**	J[1]	530	53	U	53	**12**		2.7	**14**		2.7				**5.1**		2.7	**6.6**		2.7			
trans-1,2-Dichloroethene	**630**	J[1]	500	50	U	50	2.5	U	2.5	2.5	U	2.5				2.5	U	2.5	2.5	U	2.5			
trans-1,3-Dichloropropene	440	U	440	44	U	44	2.2	U	2.2	2.2	U	2.2				2.2	U	2.2	2.2	U	2.2			
Trichloroethene	370	U	370	37	U	37	1.9	U	1.9	1.9	U	1.9				**14**		1.9	**18**		1.9			
Trichlorofluoromethane	360	U	360	36	U	36	1.8	U	1.8	1.8	U	1.8				**4.2**		1.8	**4.3**		1.8			
Trichlorotrifluoroethane	260	U	260	26	U	26	1.3	U	1.3	1.3	U	1.3				**3.4**		1.3	**4.7**		1.3			
Vinyl Acetate	570	U	570	57	U	57	2.8	U	2.8	2.8	U	2.8				2.8	U	2.8	2.8	U	2.8			
Vinyl Chloride	***19,000***		780	52	J	78	3.9	U	3.9	3.9	U	3.9				3.9	U	3.9	3.9	U	3.9			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW47-018			VW47-030			VW48-08			VW48-017			VW48-035			VW49-010			VW49-018			VW49-030		
Sample Number	WDI-VW47-18-08			WDI-VW47-30-08			WDI-VW48-08-08			WDI-VW48-17-08			WDI-VW48-35-08			WDI-VW49-10-08			WDI-VW49-18-08			WDI-VW49-30-08		
Sample Type	REG			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	18			30			8			17			35			10			18			30		
Sample Date	11/15/99			11/15/99			11/12/99			11/12/99			11/12/99			11/2/99			11/2/99			11/2/99		
Field Methane (%)	0			0			529,000			810,000			25,000											
Field PID VOCs (ppm)	0.9			1.0			19.2			2.2			44											
Laboratory	Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter			Not analyzed this quarter			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID																P9902207-005			P9902207-006			P9902207-007		
Analysis Date																11/5/99			11/5/99			11/5/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)																**2.1**		0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)																**13**		1.0	**11**		1.0	**11**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane																1.8	U	1.8	7.3	U	7.3	7.3	U	7.3
1,1,2,2-Tetrachloroethane																1.5	U	1.5	5.8	U	5.8	5.8	U	5.8
1,1,2-Trichloroethane																1.8	U	1.8	7.3	U	7.3	7.3	U	7.3
1,1-Dichloroethane																2.5	U	2.5	9.9	U	9.9	9.9	U	9.9
1,1-Dichloroethene																2.5	U	2.5	10	U	10	10	U	10
1,2-Dibromoethane																1.3	U	1.3	5.2	U	5.2	5.2	U	5.2
1,2-Dichlorobenzene																1.7	U	1.7	6.7	U	6.7	6.7	U	6.7
1,2-Dichloroethane																2.5	U	2.5	9.9	U	9.9	9.9	U	9.9
1,2-Dichloropropane																2.2	U	2.2	8.7	U	8.7	8.7	U	8.7
1,3-Dichlorobenzene																1.7	U	1.7	6.7	U	6.7	6.7	U	6.7
1,4-Dichlorobenzene																1.7	U	1.7	6.7	U	6.7	6.7	U	6.7
2-Butanone																**15**		3.4	14	U	14	14	U	14
2-Hexanone																2.4	U	2.4	9.8	U	9.8	9.8	U	9.8
4-Methyl-2-Pentanone																2.4	U	2.4	9.8	U	9.8	9.8	U	9.8
Acetone																**7.0**		4.2	17	U	17	17	U	17
Benzene																3.1	U	3.1	13	U	13	13	U	13
Bromodichloromethane																1.5	U	1.5	6.0	U	6.0	6.0	U	6.0
Bromoform																0.97	U	0.97	3.9	U	3.9	3.9	U	3.9
Bromomethane																2.6	UJ	2.6	10	UJ	10	10	UJ	10
Carbon Disulfide																**5.4**		3.2	13	U	13	13	U	13
Carbon Tetrachloride																1.6	U	1.6	6.4	U	6.4	6.4	U	6.4
Chlorobenzene																2.2	U	2.2	8.7	U	8.7	8.7	U	8.7
Chloroethane																3.8	U	3.8	15	U	15	15	U	15
Chloroform																2.0	U	2.0	8.2	U	8.2	8.2	U	8.2
Chloromethane																4.8	U	4.8	19	U	19	19	U	19
cis-1,2-Dichloroethene																2.5	U	2.5	10	U	10	10	U	10
cis-1,3-Dichloropropane																2.2	U	2.2	8.8	U	8.8	8.8	U	8.8
Dibromochloromethane																1.2	U	1.2	4.7	U	4.7	4.7	U	4.7
Ethylbenzene																2.3	U	2.3	9.2	U	9.2	9.2	U	9.2
m- &p-Xylene																**3.7**		2.3	9.2	U	9.2	9.2	U	9.2
Methyl tert-Butyl Ether																**5.1**		2.8	11	U	11	11	U	11
Methylene Chloride																2.9	U	2.9	12	U	12	12	U	12
o-Xylene																**1.6**	J	2.3	9.2	U	9.2	9.2	U	9.2
Styrene																2.3	U	2.3	9.4	U	9.4	9.4	U	9.4
Tetrachloroethene																**150**		1.5	***540***		5.9	**500**		5.9
Toluene																**5.2**		2.7	11	U	11	11	U	11
trans-1,2-Dichloroethene																2.5	U	2.5	10	U	10	10	U	10
trans-1,3-Dichloropropene																2.2	U	2.2	8.8	U	8.8	8.8	U	8.8
Trichloroethene																**16**		1.9	**13**		7.4	**10**		7.4
Trichlorofluoromethane																1.8	U	1.8	7.1	U	7.1	7.1	U	7.1
Trichlorotrifluoroethane																1.3	U	1.3	5.2	U	5.2	5.2	U	5.2
Vinyl Acetate																2.8	U	2.8	11	U	11	11	U	11
Vinyl Chloride																3.9	U	3.9	16	U	16	16	U	16

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW50-08			VW50-018			VW50-018			VW50-035			VW51-08			VW51-018			VW51-030			VW52-010		
Sample Number	WDI-VW50-08-08			WDI-VW50-18-08			WDI-VW50-18-08			WDI-VW50-35-08			WDI-VW51-08-08			WDI-VW51-18-08			WDI-VW51-30-08			WDI-VW52-10-08		
Sample Type	REG			REG			DUP			REG			REG			REG			REG			REG		
Sample Depth	8			18			18			35			8			18			30			10		
Sample Date	10/27/99			10/27/99			10/27/99			10/27/99			11/11/99			11/11/99			11/11/99			11/9/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902169-001			P9902169-002			P9902169-002DUP			P9902169-003			P9902287-021			P9902287-022			P9902287-023			P9902275-004		
Analysis Date	11/2/99			11/2/99			11/2/99			11/2/99			11/23/99			11/23/99			11/23/99			11/16/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	**280**		0.50	***239,000***		1,000	***23,800***		1,000	**240**		0.50
Total Nonmethane (ppmv)	**3.1**		1.0	**4.4**		1.0	**4.9**		1.0	10		1.0	**14**		1.0	**14,000**		1.0	**1,100**		1.0	**62**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**0.71**	J	0.73	**0.54**	J	0.73				0.73	U	0.73	**2.0**		0.73	180	U	180	7.3	U	7.3	9.2	U	9.2
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	150	U	150	5.8	U	5.8	7.3	U	7.3
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	180	U	180	7.3	U	7.3	9.2	U	9.2
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99				**1.5**		0.99	**7.7**		0.99	250	U	250	**8.9**	J	9.9	**61**		12
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	250	U	250	**40**		10	13	U	13
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	130	U	130	5.2	U	5.2	6.5	U	6.5
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	170	U	170	6.7	U	6.7	8.3	U	8.3
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	250	U	250	9.9	U	9.9	12	U	12
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	220	U	220	8.7	U	8.7	**15**		11
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	170	U	170	6.7	U	6.7	8.3	U	8.3
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	170	U	170	6.7	U	6.7	8.3	U	8.3
2-Butanone	**13**	U^1	1.4	**11**	U^1	1.4				**8.8**	U^1	1.4	**1.9**		1.4	340	U	340	14	U	14	17	U	17
2-Hexanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	240	U	240	9.8	U	9.8	12	U	12
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	240	U	240	9.8	U	9.8	12	U	12
Acetone	**2.8**		1.7	**4.8**		1.7				**10**		1.7	**12**		1.7	420	U	420	17	U	17	21	U	21
Benzene	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	***5,400***		310	**17**		13	16	U	16
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	150	U	150	6.0	U	6.0	7.5	U	7.5
Bromoform	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	97	U	97	3.9	U	3.9	4.8	U	4.8
Bromomethane	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	260	U	260	10	U	10	13	U	13
Carbon Disulfide	**4.9**		1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	320	U	320	13	U	13	16	U	16
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	160	U	160	6.4	U	6.4	8.0	U	8.0
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	220	U	220	8.7	U	8.7	11	U	11
Chloroethane	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	380	U	380	15	U	15	19	U	19
Chloroform	0.82	U	0.82	0.82	U	0.82				**2.7**		0.82	0.82	U	0.82	200	U	200	8.2	U	8.2	10	U	10
Chloromethane	**2.3**		1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	480	U	480	19	U	19	24	U	24
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				**5.2**		1.0	1.0	U	1.0	250	U	250	**290**		10	13	U	13
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	220	U	220	8.8	U	8.8	11	U	11
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	120	U	120	4.7	U	4.7	5.9	U	5.9
Ethylbenzene	**0.87**	J	0.92	**0.66**	J	0.92				**0.77**	J	0.92	0.92	U	0.92	**340**		230	9.2	U	9.2	12	U	12
m- &p-Xylene	**3.6**		0.92	**2.9**		0.92				**2.5**		0.92	**1.3**		0.92	**510**		230	9.2	UJ	9.2	12	U	12
Methyl tert-Butyl Ether	**1.7**	U^1	1.1	**1.4**	U^1	1.1				1.1	U	1.1	1.1	U	1.1	280	U	280	11	U	11	**37**		14
Methylene Chloride	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	290	U	290	12	U	12	14	U	14
o-Xylene	**1.7**		0.92	**1.3**		0.92				**1.1**		0.92	0.92	U	0.92	230	U	230	9.2	U	9.2	12	U	12
Styrene	0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	**0.91**	J	0.94	230	U	230	9.4	U	9.4	12	U	12
Tetrachloroethene	**1.1**		0.59	**2.8**		0.59				**7.4**		0.59	**0.68**		0.59	150	U	150	**83**		5.9	7.4	U	7.4
Toluene	**3.6**	U^1	1.1	**2.8**	U^1	1.1				**2.2**	U^1	1.1	**6.5**		1.1	270	U	270	11	U	11	13	U	13
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	250	U	250	**200**		10	13	U	13
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	220	U	220	8.8	U	8.8	11	U	11
Trichloroethene	0.74	U	0.74	0.74	U	0.74				**2.8**		0.74	0.74	U	0.74	190	U	190	***540***		7.4	9.3	U	9.3
Trichlorofluoromethane	**0.57**	J	0.71	**0.91**		0.71				**0.90**		0.71	0.71	U	0.71	180	U	180	7.1	U	7.1	8.9	U	8.9
Trichlorotrifluoroethane	0.52	U	0.52	**0.50**	J	0.52				**1.2**		0.52	0.52	U	0.52	130	U	130	5.2	U	5.2	6.5	U	6.5
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	280	U	280	11	U	11	14	U	14
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	390	U	390	***50***		16	20	U	20

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW52-010			VW52-019			VW52-030			VW53-010			VWFD53-010			VW53-020			VW53-030			VW54-012		
Sample Number	WDI-VW52-10-08			WDI-VW52-19-08			WDI-VW52-30-08			WDI-VW53-10-08			WDI-VWFD-53-10-08			WDI-VW53-20-08			WDI-VW53-30-08			WDI-VW54-12-08		
Sample Type	DUP			REG			REG			REG			DUP			REG			REG			REG		
Sample Depth	10			19			30			10			10			20			30			12		
Sample Date	11/9/99			11/9/99			11/9/99			10/27/99			10/27/99			10/27/99			10/27/99			11/10/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902275-004DUP			P9902275-005			P9902275-006			P9902169-010			P9902169-011			P9902169-012			P9902169-013			P9902287-013		
Analysis Date	11/16/99			11/16/99			11/16/99			11/2/99			11/2/99			11/3/99			11/3/99			11/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**250**		0.50	**0.64**		0.50	0.50	U	0.50	**9,570**		1,000	**9,600**		1,000	**180**		0.50	**310**		0.50	**150**		0.50
Total Nonmethane (ppmv)	**67**		1.0	**16**		1.0	**16**		1.0	**790**		1.0	**820**		1.0	**18**		1.0	**19**		1.0	**12**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				**0.70**	J	0.73	**0.84**		0.73	9.2	U	9.2	9.2	U	9.2	**1.1**		0.73	**1.3**		0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	7.3	U	7.3	7.3	U	7.3	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	9.2	U	9.2	9.2	U	9.2	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane				**120**		0.99	**150**		0.99	12	U	12	12	U	12	**12**		0.99	**13**		0.99	0.99	U	0.99
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	13	U	13	13	U	13	**8.3**		1.0	**10**		1.0	1.0	U	1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	6.5	U	6.5	6.5	U	6.5	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	8.3	U	8.3	8.3	U	8.3	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	12	U	12	12	U	12	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane				**80**		0.87	**99**		0.87	11	U	11	11	U	11	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	8.3	U	8.3	8.3	U	8.3	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	8.3	U	8.3	8.3	U	8.3	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone				**8.4**		1.4	**20**		1.4	17	U	17	17	U	17	**19**	U[1]	1.4	**27**		1.4	1.4	U	1.4
2-Hexanone				0.98	U	0.98	0.98	U	0.98	12	U	12	12	U	12	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	12	U	12	12	U	12	0.98	U	0.98	0.98	U	0.98	**2.3**		0.98
Acetone				**4.7**		1.7	**7.9**		1.7	21	U	21	21	U	21	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7
Benzene				1.3	U	1.3	1.3	U	1.3	**19**		16	**20**		16	**0.94**	J	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane				0.60	U	0.60	**0.43**	J	0.60	7.5	U	7.5	7.5	U	7.5	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	4.8	U	4.8	4.8	U	4.8	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	13	U	13	13	U	13	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide				**16**		1.3	**7.0**		1.3	16	U	16	16	U	16	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	8.0	U	8.0	8.0	U	8.0	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	11	U	11	11	U	11	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	19	U	19	19	U	19	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform				**2.6**		0.82	**3.5**		0.82	10	U	10	10	U	10	**2.2**		0.82	**2.6**		0.82	**2.6**		0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	24	U	24	24	U	24	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene				**18**		1.0	**24**		1.0	**99**		13	**100**		13	**34**		1.0	**54**		1.0	1.0	U	1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	11	U	11	11	U	11	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	5.9	U	5.9	5.9	U	5.9	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene				**0.73**	J	0.92	**0.85**	J	0.92	12	U	12	12	U	12	**1.0**		0.92	**1.0**		0.92	**0.62**	J	0.92
m- &p-Xylene				**2.8**		0.92	**3.1**		0.92	12	U	12	12	U	12	**4.3**		0.92	**4.2**		0.92	**2.3**		0.92
Methyl tert-Butyl Ether				**2.4**		1.1	**3.5**		1.1	14	U	14	14	U	14	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	14	U	14	14	U	14	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene				**0.94**		0.92	**1.0**		0.92	12	U	12	12	U	12	**2.1**		0.92	**2.0**		0.92	**0.64**	J	0.92
Styrene				0.94	U	0.94	0.94	U	0.94	12	U	12	12	U	12	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene				**97**		0.59	**100**		0.59	7.4	U	7.4	7.4	U	7.4	**46**		0.59	**51**		0.59	**1.5**		0.59
Toluene				**3.3**		1.1	**4.0**		1.1	13	U	13	13	U	13	**5.7**	U[1]	1.1	**4.4**	U[1]	1.1	**10**		1.1
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	13	U	13	13	U	13	**3.8**		1.0	**6.4**		1.0	1.0	U	1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	11	U	11	11	U	11	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene				**21**		0.74	**22**		0.74	**29**		9.3	**30**		9.3	***560***		0.74	***490***		0.74	0.74	U	0.74
Trichlorofluoromethane				0.71	U	0.71	0.71	U	0.71	8.9	U	8.9	8.9	U	8.9	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane				0.52	U	0.52	0.52	U	0.52	6.5	U	6.5	6.5	U	6.5	**0.52**		0.52	**0.60**		0.52	0.52	U	0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	14	U	14	14	U	14	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	20	U	20	20	U	20	**2.6**		1.6	**4.8**		1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW54-012			VW54-020			VW54-030			VW55-05			VW55-018			VW55-018			VW55-029			VW56-08		
Sample Number	WDI-VW54-12-08			WDI-VW54-20-08			WDI-VW54-30-08			WDI-VW55-05-08			WDI-VW55-18-08			WDI-VW55-18-08			WDI-VW55-29-08			WDI-VW56-08-08		
Sample Type	*DUP*			*REG*			*REG*			*REG*			*REG*			*DUP*			*REG*			*REG*		
Sample Depth	12			20			30			5			18			18			29			8		
Sample Date	11/10/99			11/10/99			11/10/99			11/2/99			11/2/99			11/2/99			11/2/99			10/27/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902287-013DUP			P9902287-014			P9902287-015			P9902220-001			P9902220-002			P9902220-002DUP			P9902220-003			P9902169-007		
Analysis Date	11/23/99			11/23/99			11/23/99			11/10/99			11/10/99			11/10/99			11/10/99			11/2/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**140**		0.50	**2,900**		1,000	**3,230**		1,000	***74,700***		1,000	**8,720**		1,000	***75,000***		1,000	**7,300**		1,000	**13**		0.50
Total Nonmethane (ppmv)	**12**		1.0	**11**		1.0	**14**		1.0	**1,000**		1.0	**260**		1.0	**290**		1.0	**83**		1.0	**16**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				0.73	U	0.73	0.73	U	0.73	37	U	37	7.3	U	7.3				3.7	U	3.7	0.73	U	0.73
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	29	U	29	5.8	U	5.8				2.9	U	2.9	0.58	U	0.58
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	37	U	37	7.3	U	7.3				3.7	U	3.7	0.73	U	0.73
1,1-Dichloroethane				0.99	U	0.99	0.99	U	0.99	49	U	49	**6.6**	J	9.9				**6.1**		4.9	**11**		0.99
1,1-Dichloroethene				**1.1**		1.0	**0.83**	J	1.0	50	U	50	**31**		10				**32**		5.0	**3.8**		1.0
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	26	U	26	5.2	U	5.2				2.6	U	2.6	0.52	U	0.52
1,2-Dichlorobenzene				**0.50**	J	0.67	0.67	U	0.67	33	U	33	6.7	U	6.7				3.3	U	3.3	0.67	U	0.67
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	49	U	49	9.9	U	9.9				4.9	U	4.9	0.99	U	0.99
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	43	U	43	8.7	U	8.7				4.3	U	4.3	0.87	U	0.87
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	33	U	33	6.7	U	6.7				3.3	U	3.3	0.67	U	0.67
1,4-Dichlorobenzene				**0.54**	J	0.67	0.67	U	0.67	33	U	33	6.7	U	6.7				3.3	U	3.3	0.67	U	0.67
2-Butanone				1.4	U	1.4	1.4	U	1.4	68	U	68	14	U	14				6.8	U	6.8	**16**	U[1]	1.4
2-Hexanone				0.98	U	0.98	0.98	U	0.98	49	U	49	9.8	U	9.8				4.9	U	4.9	0.98	U	0.98
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	49	U	49	9.8	U	9.8				4.9	U	4.9	0.98	U	0.98
Acetone				1.7	U	1.7	1.7	U	1.7	84	U	84	17	U	17				8.4	U	8.4	1.7	U	1.7
Benzene				**1.7**		1.3	**1.6**		1.3	63	U	63	**12**	J	13				**5.2**	J	6.3	**23**		1.3
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	30	U	30	6.0	U	6.0				3.0	U	3.0	0.60	U	0.60
Bromoform				0.39	U	0.39	0.39	U	0.39	19	U	19	3.9	U	3.9				1.9	U	1.9	0.39	U	0.39
Bromomethane				1.0	U	1.0	1.0	U	1.0	52	U	52	10	U	10				5.2	U	5.2	1.0	U	1.0
Carbon Disulfide				1.3	U	1.3	1.3	U	1.3	64	U	64	13	U	13				6.4	U	6.4	**4.4**		1.3
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	32	U	32	6.4	U	6.4				3.2	U	3.2	0.64	U	0.64
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	43	U	43	8.7	U	8.7				4.3	U	4.3	0.87	U	0.87
Chloroethane				1.5	U	1.5	1.5	U	1.5	76	U	76	15	U	15				7.6	U	7.6	1.5	U	1.5
Chloroform				0.82	U	0.82	**4.3**		0.82	41	U	41	8.2	U	8.2				4.1	U	4.1	0.82	U	0.82
Chloromethane				1.9	U	1.9	1.9	U	1.9	97	U	97	19	U	19				9.7	U	9.7	1.9	U	1.9
cis-1,2-Dichloroethene				**5.4**		1.0	**4.2**		1.0	50	U	50	**130**		10				**170**		5.0	**310**		1.0
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	44	U	44	8.8	U	8.8				4.4	U	4.4	0.88	U	0.88
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	23	U	23	4.7	U	4.7				2.3	U	2.3	0.47	U	0.47
Ethylbenzene				**47**		0.92	0.92	U	0.92	46	U	46	9.2	U	9.2				4.6	U	4.6	**1.1**		0.92
m- &p-Xylene				**210**		0.92	**1.4**		0.92	46	U	46	9.2	U	9.2				**3.2**	J	4.6	**4.4**		0.92
Methyl tert-Butyl Ether				1.1	U	1.1	1.1	U	1.1	55	U	55	11	U	11				5.5	U	5.5	**290**		1.1
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	58	U	58	12	U	12				5.8	U	5.8	1.2	U	1.2
o-Xylene				**39**		0.92	0.92	U	0.92	46	U	46	9.2	U	9.2				4.6	U	4.6	**2.0**		0.92
Styrene				0.94	U	0.94	0.94	U	0.94	47	U	47	9.4	U	9.4				4.7	U	4.7	0.94	U	0.94
Tetrachloroethene				**1.9**		0.59	0.59	U	0.59	30	U	30	**9.1**		5.9				**10**		3.0	**66**		0.59
Toluene				**3.9**		1.1	**2.2**		1.1	53	U	53	11	U	11				5.3	U	5.3	**4.1**	U[1]	1.1
trans-1,2-Dichloroethene				1.0	U	1.0	1.0	U	1.0	50	U	50	**31**		10				**29**		5.0	**18**		1.0
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	44	U	44	8.8	U	8.8				4.4	U	4.4	0.88	U	0.88
Trichloroethene				**2.0**		0.74	**0.86**		0.74	37	U	37	**360**		7.4				**320**		3.7	**110**		0.74
Trichlorofluoromethane				0.71	U	0.71	0.71	U	0.71	36	U	36	7.1	U	7.1				3.6	U	3.6	0.71	U	0.71
Trichlorotrifluoroethane				0.52	U	0.52	0.52	U	0.52	26	U	26	5.2	U	5.2				2.6	U	2.6	0.52	U	0.52
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	57	U	57	11	U	11				5.7	U	5.7	1.1	U	1.1
Vinyl Chloride				**2.7**		1.6	**3.7**		1.6	78	U	78	***50***		16				***53***		7.8	**15**		1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW56-08			VW56-017			VW56-028			VW57-07			VW57-018			VW57-026			VW58-08			VW58-019		
Sample Number	WDI-VW56-08-08			WDI-VW56-17-08			WDI-VW56-28-08			WDI-VW57-07-08			WDI-VW57-18-08			WDI-VW57-26-08			WDI-VW58-08-08			WDI-VW58-19-08		
Sample Type	DUP			REG			REG			REG			REG			REG			REG			REG		
Sample Depth	8			17			28			7			18			26			8			19		
Sample Date	10/27/99			10/27/99			10/27/99			11/2/99			11/2/99			11/2/99			11/2/99			11/2/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902169-007DUP			P9902169-008			P9902169-009			P9902220-004			P9902220-005			P9902220-006			P9902220-011			P9902220-012		
Analysis Date	11/2/99			11/2/99			11/2/99			11/10/99			11/10/99			11/10/99			11/10/99			11/10/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**13**		0.50	**3.1**		0.50	**2.0**		0.50	**16**		0.50	**1.4**		0.50	**2.3**		0.50	**1.2**		0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**18**		1.0	**16**		1.0	**17**		1.0	**5.5**		1.0	**27**		1.0	**26**		1.0	**7.4**		1.0	**18**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane				**1.4**		0.73	**1.4**		0.73	0.73	U	0.73	**3.2**	J	3.7	**4.0**		3.7	**22**		7.3	**10**		7.3
1,1,2,2-Tetrachloroethane				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	2.9	U	2.9	2.9	U	2.9	5.8	U	5.8	5.8	U	5.8
1,1,2-Trichloroethane				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	3.7	U	3.7	3.7	U	3.7	7.3	U	7.3	7.3	U	7.3
1,1-Dichloroethane				**7.5**		0.99	**6.5**		0.99	0.99	U	0.99	**3.7**	J	4.9	**3.7**	J	4.9	9.9	U	9.9	9.9	U	9.9
1,1-Dichloroethene				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	5.0	U	5.0	5.0	U	5.0	10	U	10	10	U	10
1,2-Dibromoethane				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	2.6	U	2.6	2.6	U	2.6	5.2	U	5.2	5.2	U	5.2
1,2-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	3.3	U	3.3	3.3	U	3.3	6.7	U	6.7	6.7	U	6.7
1,2-Dichloroethane				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	4.9	U	4.9	4.9	U	4.9	9.9	U	9.9	9.9	U	9.9
1,2-Dichloropropane				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	4.3	U	4.3	4.3	U	4.3	8.7	U	8.7	8.7	U	8.7
1,3-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	3.3	U	3.3	3.3	U	3.3	6.7	U	6.7	6.7	U	6.7
1,4-Dichlorobenzene				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	3.3	U	3.3	3.3	U	3.3	6.7	U	6.7	6.7	U	6.7
2-Butanone				**16**	U[1]	1.4	**12**	U[1]	1.4	**13**		1.4	**5.4**	J	6.8	**7.2**		6.8	14	U	14	14	U	14
2-Hexanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	4.9	U	4.9	4.9	U	4.9	9.8	U	9.8	9.8	U	9.8
4-Methyl-2-Pentanone				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	4.9	U	4.9	4.9	U	4.9	9.8	U	9.8	9.8	U	9.8
Acetone				**3.7**		1.7	**3.8**		1.7	**6.7**		1.7	8.4	U	8.4	8.4	U	8.4	17	U	17	17	U	17
Benzene				**1.5**		1.3	0.89	J	1.3	1.3	U	1.3	6.3	U	6.3	6.3	U	6.3	13	U	13	13	U	13
Bromodichloromethane				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	3.0	U	3.0	3.0	U	3.0	6.0	U	6.0	6.0	U	6.0
Bromoform				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	1.9	U	1.9	1.9	U	1.9	3.9	U	3.9	3.9	U	3.9
Bromomethane				1.0	U	1.0	1.0	U	1.0	1.0	UJ	1.0	5.2	U	5.2	5.2	U	5.2	10	UJ	10	10	UJ	10
Carbon Disulfide				**10**		1.3	**3.2**		1.3	**3.2**		1.3	6.4	U	6.4	6.4	U	6.4	13	U	13	13	U	13
Carbon Tetrachloride				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	3.2	U	3.2	3.2	U	3.2	6.4	U	6.4	6.4	U	6.4
Chlorobenzene				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	4.3	U	4.3	4.3	U	4.3	8.7	U	8.7	8.7	U	8.7
Chloroethane				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	7.6	U	7.6	7.6	U	7.6	15	U	15	15	U	15
Chloroform				**20**		0.82	**22**		0.82	0.82	U	0.82	4.1	U	4.1	**2.6**	J	4.1	8.2	U	8.2	8.2	U	8.2
Chloromethane				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	9.7	U	9.7	9.7	U	9.7	19	U	19	19	U	19
cis-1,2-Dichloroethene				**46**		1.0	**20**		1.0	1.0	U	1.0	5.0	U	5.0	5.0	U	5.0	10	U	10	10	U	10
cis-1,3-Dichloropropane				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	4.4	U	4.4	4.4	U	4.4	8.8	U	8.8	8.8	U	8.8
Dibromochloromethane				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	2.3	U	2.3	2.3	U	2.3	4.7	U	4.7	4.7	U	4.7
Ethylbenzene				**0.75**	J	0.92	**0.62**	J	0.92	**0.82**	J	0.92	4.6	U	4.6	4.6	U	4.6	9.2	U	9.2	9.2	U	9.2
m- &p-Xylene				**3.0**		0.92	**2.5**		0.92	3.4		0.92	4.6	U	4.6	4.6	U	4.6	9.2	U	9.2	9.2	U	9.2
Methyl tert-Butyl Ether				**20**		1.1	**6.2**	U[1]	1.1	**2.7**		1.1	5.5	U	5.5	5.5	U	5.5	11	U	11	11	U	11
Methylene Chloride				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	5.8	U	5.8	5.8	U	5.8	12	U	12	12	U	12
o-Xylene				**1.5**		0.92	**1.1**		0.92	1.4		0.92	4.6	U	4.6	4.6	U	4.6	9.2	U	9.2	9.2	U	9.2
Styrene				0.94	U	0.94	0.94	U	0.94	**0.64**	J	0.94	4.7	U	4.7	4.7	U	4.7	9.4	U	9.4	9.4	U	9.4
Tetrachloroethene				**33**		0.59	**36**		0.59	**1.2**		0.59	**140**		3.0	**170**		3.0	**18**		5.9	**170**		5.9
Toluene				**4.3**	U[1]	1.1	**2.8**	U[1]	1.1	**3.5**		1.1	5.3	U	5.3	5.3	U	5.3	11	U	11	11	U	11
trans-1,2-Dichloroethene				**1.2**		1.0	1.0	U	1.0	1.0	U	1.0	5.0	U	5.0	5.0	U	5.0	10	U	10	10	U	10
trans-1,3-Dichloropropene				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	4.4	U	4.4	4.4	U	4.4	8.8	U	8.8	8.8	U	8.8
Trichloroethene				***440***		0.74	***470***		0.74	0.74	U	0.74	**320**		3.7	***420***		3.7	***3,200***		7.4	***4,700***		7.4
Trichlorofluoromethane				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	3.6	U	3.6	3.6	U	3.6	7.1	U	7.1	7.1	U	7.1
Trichlorotrifluoroethane				**0.73**		0.52	**0.80**		0.52	0.52	U	0.52	2.6	U	2.6	2.6	U	2.6	5.2	U	5.2	5.2	U	5.2
Vinyl Acetate				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	5.7	U	5.7	5.7	U	5.7	11	U	11	11	U	11
Vinyl Chloride				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	7.8	U	7.8	7.8	U	7.8	16	U	16	16	U	16

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW58-029			VW58-029			VW59-07			VW59-07			VW59-07			VW59-017			VWFD59-017			VW59-027		
Sample Number	WDI-VW58-29-08			WDI-VW58-29-08			WDI-VW59-07-08			WDI-VW59-07-08			WDI-VW59-07-08			WDI-VW59-17-08			WDI-VWFD59-17-08			WDI-VW59-27-08		
Sample Type	REG			DUP			REG			DUP			DUP			REG			REG			REG		
Sample Depth	29			29			7			7			7			17			17			27		
Sample Date	11/2/99			11/2/99			11/2/99			11/2/99			11/2/99			11/2/99			11/2/99			11/2/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902220-013			P9902220-013DUP			P9902207-001			P9902207-001DUP			P9902207-001DUP			P9902207-002			P9902207-004			P9902207-003		
Analysis Date	11/10/99			11/10/99			11/5/99			11/11/99			11/5/99			11/5/99			11/5/99			11/5/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	**0.81**		0.50	**0.82**		0.50	**6.6**		0.50				**6.9**		0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)	**19**		1.0	**19**		1.0	**15**		1.0				**14**		1.0	**15**		1.0	**16**		1.0	**19**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**6.5**	J	7.3				0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	5.8	U	5.8				0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	7.3	U	7.3				0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	9.9	U	9.9				0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	10	U	10				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	5.2	U	5.2				0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	6.7	U	6.7				0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	9.9	U	9.9				0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	8.7	U	8.7				0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	6.7	U	6.7				0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	6.7	U	6.7				0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	14	U	14				**23**		1.4	**28**		1.4				**19**	J^1	1.4	**26**		1.4	**26**	J^1	1.4
2-Hexanone	9.8	U	9.8				0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	9.8	U	9.8				0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	17	U	17				**5.4**		1.7	**5.4**		1.7				**4.1**	J^1	1.7	**8.4**	J^1	1.7	**6.5**		1.7
Benzene	13	U	13				1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	6.0	U	6.0				0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	3.9	U	3.9				0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	10	UJ	10				1.0	UJ	1.0	1.0	UJ	1.0				1.0	UJ	1.0	1.0	UJ	1.0	1.0	UJ	1.0
Carbon Disulfide	13	U	13				1.3	U	1.3	1.3	U	1.3				**1.7**		1.3	**2.3**		1.3	1.3	U	1.3
Carbon Tetrachloride	6.4	U	6.4				0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	8.7	U	8.7				0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	15	U	15				1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	8.2	U	8.2				0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	19	U	19				1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	10	U	10				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	8.8	U	8.8				0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	4.7	U	4.7				0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	9.2	U	9.2				**0.69**	J	0.92	**0.71**	J	0.92				**1.2**		0.92	**1.0**		0.92	**0.67**	J	0.92
m- &p-Xylene	9.2	U	9.2				**2.7**		0.92	**2.8**		0.92				**5.0**		0.92	**4.2**		0.92	**2.7**		0.92
Methyl tert-Butyl Ether	11	U	11				**5.4**		1.1	**5.6**		1.1				**3.3**	J^1	1.1	**6.9**	J^1	1.1	**3.4**		1.1
Methylene Chloride	12	U	12				1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	9.2	U	9.2				**1.2**		0.92	**1.2**		0.92				**2.0**		0.92	**1.7**		0.92	**1.2**		0.92
Styrene	9.4	U	9.4				0.94	U	0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**150**		5.9				**2.2**		0.59	**2.3**		0.59				**44**		0.59	**44**		0.59	**74**		0.59
Toluene	11	U	11				**3.4**		1.1	**3.5**		1.1				**5.1**		1.1	**4.5**		1.1	**3.2**		1.1
trans-1,2-Dichloroethene	10	U	10				1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	8.8	U	8.8				0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	***2,800***		7.4				0.74	U	0.74	0.74	U	0.74				**2.8**		0.74	**2.8**		0.74	**5.3**		0.74
Trichlorofluoromethane	7.1	U	7.1				0.71	U	0.71	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	5.2	U	5.2				0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	11	U	11				1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	16	U	16				1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW60-010			VW60-018			VW60-018			VW60-028			VW61-08			VW61-08			VW61-019			VW61-030		
Sample Number	WDI-VW60-10-08			WDI-VW60-18-08			WDI-VW60-18-08			WDI-VW60-28-08			WDI-VW61-08-08			WDI-VW61-08-08			WDI-VW61-19-08			WDI-VW61-30-08		
Sample Type	REG			REG			DUP			REG			REG			DUP			REG			REG		
Sample Depth	10			18			18			28			8			8			19			30		
Sample Date	11/9/99			11/9/99			11/9/99			11/9/99			11/10/99			11/10/99			11/10/99			11/10/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902275-001			P9902275-002			P9902275-002DUP			P9902275-003			P9902287-001			P9902287-001DUP			P9902287-002			P9902287-003		
Analysis Date	11/15/99			11/15/99			11/15/99			11/15/99			11/23/99			11/24/99			11/23/99			11/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	1.2		0.50	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	2.1		0.50				31		0.50	4.4		0.50
Total Nonmethane (ppmv)	12		1.0	17		1.0	17		1.0	15		1.0	29		1.0				29		1.0	25		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	1.6		0.73	0.70	J	0.73				0.68	J	0.73	0.73	U	0.73	0.73	U	0.73	9.0		0.73	11		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58				0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73				0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	8.9		0.99				8.2		0.99	0.70	J	0.99	0.68	J	0.99	40		0.99	41		0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99				0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	54		0.87	17		0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67				0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	12		1.4	9.6		1.4				15		1.4	1.4	U	1.4	1.4	U	1.4	2.7		1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98				0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	33		1.7	8.3		1.7				7.1		1.7	5.6		1.7	5.6		1.7	11		1.7	5.8		1.7
Benzene	1.3	U	1.3	1.3	U	1.3				1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	2.4		1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60				0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Carbon Disulfide	1.7		1.3	1.9		1.3				5.3		1.3	3.1		1.3	3.0		1.3	27		1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64				0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	0.87	U	0.87				0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5				1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82				0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1.9	U	1.9				1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	5.3		1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47				0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	1.3		0.92	0.85	J	0.92				0.83	J	0.92	0.92	U	0.92	0.92	U	0.92	0.61	J	0.92	0.92	U	0.92
m- &p-Xylene	5.0		0.92	3.3		0.92				3.2		0.92	1.5		0.92	1.5		0.92	2.2		0.92	1.0		0.92
Methyl tert-Butyl Ether	2.1		1.1	1.8		1.1				2.0		1.1	1.5		1.1	1.6		1.1	1.5		1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	1.2	U	1.2				1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	1.7		0.92	1.1		0.92				1.1		0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	1.6		0.94	0.94	U	0.94				0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	170		0.59	62		0.59				60		0.59	25		0.59	24		0.59	22		0.59	18		0.59
Toluene	8.4		1.1	6.8		1.1				5.7		1.1	3.6		1.1	3.5		1.1	4.1		1.1	2.1		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88				0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	4.5		0.74	3.6		0.74				3.4		0.74	2.3		0.74	2.3		0.74	1.6		0.74	1.3		0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71				0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52				0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1				1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.3		1.1
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6				1.6	U	1.6	1.6	U	1.6	1.6	U	1.6	25		1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	VW62-08			VW62-018			VW62-029			VWFD62-08			VW63-08			VW63-018			VW63-028			MP-1-05		
Sample Number	WDI-VW62-08-08			WDI-VW62-18-08			WDI-VW62-29-08			WDI-VWFD62-08-08			WDI-VW63-08-08			WDI-VW63-18-08			WDI-VW63-28-08			WDI-MP-1-05-08		
Sample Type	REG			REG			REG			DUP			REG			REG			REG			REG		
Sample Depth	8			18			29			29			8			18			28			5		
Sample Date	10/28/99			10/28/99			10/28/99			10/28/99			11/9/99			11/9/99			11/9/99			11/11/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902196-005			P9902196-006			P9902196-007			P9902196-008			P9902261-007			P9902261-008			P9902261-009			P9902287-026		
Analysis Date	11/3/99			11/3/99			11/3/99			11/3/99			11/15/99			11/15/99			11/15/99			11/23/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	***56,200***		1,000	**4,970**		1,000	**4,920**		1,000	***57,200***		1,000	**930**		0.50	0.50	U	0.50	0.50	U	0.50	**100**		0.50
Total Nonmethane (ppmv)	**62**		1.0	**12**		1.0	**12**		1.0	**62**		1.0	**16**		1.0	**12**		1.0	**11**		1.0	**16**		1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	**0.60**	J	0.73	1.8	U	1.8	**4.3**		0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58	1.5	U	1.5	0.58	U	0.58	1.5	U	1.5	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73	1.8	U	1.8	0.73	U	0.73	1.8	U	1.8	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52	1.3	U	1.3	0.52	U	0.52
1,2-Dichlorobenzene	**7.6**		0.67	**1.1**		0.67	**0.49**	J	0.67	**7.3**		0.67	1.7	U	1.7	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99	2.5	U	2.5	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67
1,4-Dichlorobenzene	**5.2**		0.67	0.67	U	0.67	0.67	U	0.67	**5.1**		0.67	1.7	U	1.7	0.67	U	0.67	1.7	U	1.7	0.67	U	0.67
2-Butanone	**17**	J[1]	1.4	**20**		1.4	**28**		1.4	**44**	J[1]	1.4	**11**		3.4	**14**		1.4	**11**		3.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98	2.4	U	2.4	0.98	U	0.98
Acetone	1.7	U	1.7	1.7	U	1.7	**8.9**		1.7	1.7	U	1.7	4.2	U	4.2	**6.9**		1.7	4.2	U	4.2	**3.9**		1.7
Benzene	**2.6**		1.3	1.3	U	1.3	1.3	U	1.3	**3.2**		1.3	3.1	U	3.1	1.3	U	1.3	3.1	U	3.1	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60	1.5	U	1.5	0.60	U	0.60	1.5	U	1.5	0.60	U	0.60
Bromoform	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.97	U	0.97	0.39	U	0.39	0.97	U	0.97	0.39	U	0.39
Bromomethane	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.6	U	2.6	1.0	UJ	1.0	2.6	UJ	2.6	1.0	U	1.0
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3	3.2	U	3.2	**6.2**		1.3	3.2	U	3.2	**7.5**		1.3
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64	1.6	U	1.6	0.64	U	0.64	1.6	U	1.6	0.64	U	0.64
Chlorobenzene	**12**		0.87	**2.1**		0.87	0.87	U	0.87	**11**		0.87	2.2	U	2.2	0.87	U	0.87	2.2	U	2.2	0.87	U	0.87
Chloroethane	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5	3.8	U	3.8	1.5	U	1.5	3.8	U	3.8	1.5	U	1.5
Chloroform	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82	2.0	U	2.0	0.82	U	0.82	2.0	U	2.0	0.82	U	0.82
Chloromethane	**3.5**		1.9	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9	4.8	U	4.8	1.9	U	1.9	4.8	U	4.8	1.9	U	1.9
cis-1,2-Dichloroethene	**0.84**	J	1.0	1.0	U	1.0	**1.3**		1.0	**0.89**	J	1.0	2.5	U	2.5	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47	1.2	U	1.2	0.47	U	0.47	1.2	U	1.2	0.47	U	0.47
Ethylbenzene	**1.5**	J[1]	0.92	**0.78**	J	0.92	**0.68**	J	0.92	**2.5**	J[1]	0.92	2.3	U	2.3	**1.2**		0.92	2.3	U	2.3	0.92	U	0.92
m- &p-Xylene	**5.0**	J[1]	0.92	**3.2**		0.92	**2.7**		0.92	**9.2**	J[1]	0.92	**4.2**		2.3	**4.4**		0.92	**2.9**		2.3	**0.67**	J[3]	0.92
Methyl tert-Butyl Ether	**2.9**	J[1]	1.1	**3.8**		1.1	**3.0**		1.1	**9.3**	J[1]	1.1	2.8	U	2.8	**3.0**		1.1	**2.5**	J	2.8	1.1	U	1.1
Methylene Chloride	*1.2*	*U*	*1.2*	*1.2*	*U*	*1.2*	*1.2*	*U*	*1.2*	*1.2*	*U*	*1.2*	*2.9*	*U*	*2.9*	*1.2*	*U*	*1.2*	*2.9*	*U*	*2.9*	*1.2*	*U*	*1.2*
o-Xylene	**2.9**	J[1]	0.92	**1.3**		0.92	**1.3**		0.92	**4.6**	J[1]	0.92	**1.6**	J	2.3	**1.6**		0.92	2.3	U	2.3	0.92	U	0.92
Styrene	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94	2.3	U	2.3	0.94	U	0.94	2.3	U	2.3	0.94	U	0.94
Tetrachloroethene	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59	1.5	U	1.5	**110**		0.59	**170**		1.5	**5.2**		0.59
Toluene	**4.6**	J[1]	1.1	**3.1**		1.1	**3.3**		1.1	**9.8**	J[1]	1.1	**5.3**		2.7	**5.7**		1.1	**4.7**		2.7	**1.8**		1.1
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0	2.5	U	2.5	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88	2.2	U	2.2	0.88	U	0.88
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74	1.9	U	1.9	**6.8**		0.74	**11**		1.9	0.74	U	0.74
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71	1.8	U	1.8	**3.7**		0.71	**4.8**		1.8	**0.51**	J	0.71
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52	1.3	U	1.3	**2.3**		0.52	**3.7**		1.3	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1	2.8	U	2.8	1.1	U	1.1
Vinyl Chloride	**1.8**		1.6	**1.4**	J	1.6	**2.3**		1.6	**1.8**		1.6	3.9	U	3.9	1.6	U	1.6	3.9	U	3.9	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.

The RDL should be provided for all analytes.

Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.

Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.

Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.

"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.

Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	MP-1-05			MP-1-015			MP-1-015			MP-2-05			MP-2-015			Field Blank			Field Blank			Field Blank		
Sample Number	WDI-MP-1-05-08			WDI-MP-1-15-08			WDI-MP-1-15-08			WDI-MP-2-05-08			WDI-MP-2-15-08			WDI-VWFB 10/27			WDI-VWFB-11/2			WDI-VWFB 11/9		
Sample Type	DUP			REG			DUP			REG			REG			Blank			Blank			Blank		
Sample Depth	5			15			15			5			15											
Sample Date	11/11/99			11/11/99			11/10/99			11/11/99			11/11/99			10/27/99			11/2/99			11/9/99		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902287-026DUP			P9902287-027			P9902287-027DUP			P9902287-024			P9902287-025			P9902169-014			P9902207-008			P9902275-009		
Analysis Date	11/24/99			11/23/99			11/23/99			11/23/99			11/23/99			11/3/99			11/5/99			11/16/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				***923,000***		1,000				**1.5**		0.50	***850,000***		1000	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50
Total Nonmethane (ppmv)				**35,000**		38	**35,000**		38	**24**		1.0	**46,000**		26	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	**4.3**		0.73	550	U	550				0.73	U	0.73	730	U	730	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1,2,2-Tetrachloroethane	0.58	U	0.58	440	U	440				0.58	U	0.58	580	U	580	0.58	U	0.58	0.58	U	0.58	0.58	U	0.58
1,1,2-Trichloroethane	0.73	U	0.73	550	U	550				0.73	U	0.73	730	U	730	0.73	U	0.73	0.73	U	0.73	0.73	U	0.73
1,1-Dichloroethane	0.99	U	0.99	740	U	740				0.99	U	0.99	990	U	990	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,1-Dichloroethene	1.0	U	1.0	760	U	760				1.0	U	1.0	1,000	U	1,000	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
1,2-Dibromoethane	0.52	U	0.52	390	U	390				0.52	U	0.52	520	U	520	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
1,2-Dichlorobenzene	0.67	U	0.67	500	U	500				0.67	U	0.67	670	U	670	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,2-Dichloroethane	0.99	U	0.99	740	U	740				0.99	U	0.99	990	U	990	0.99	U	0.99	0.99	U	0.99	0.99	U	0.99
1,2-Dichloropropane	0.87	U	0.87	650	U	650				0.87	U	0.87	870	U	870	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
1,3-Dichlorobenzene	0.67	U	0.67	500	U	500				0.67	U	0.67	670	U	670	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
1,4-Dichlorobenzene	0.67	U	0.67	500	U	500				0.67	U	0.67	670	U	670	0.67	U	0.67	0.67	U	0.67	0.67	U	0.67
2-Butanone	1.4	U	1.4	1,000	U	1,000				**80**		1.4	1,400	U	1,400	**1.7**		1.4	1.4	U	1.4	1.4	U	1.4
2-Hexanone	0.98	U	0.98	730	U	730				0.98	U	0.98	980	U	980	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
4-Methyl-2-Pentanone	0.98	U	0.98	730	U	730				**5.1**		0.98	980	U	980	0.98	U	0.98	0.98	U	0.98	0.98	U	0.98
Acetone	**4.0**		1.7	1,300	U	1,300				**110**		1.7	1,700	U	1,700	1.7	U	1.7	1.7	U	1.7	1.7	U	1.7
Benzene	1.3	U	1.3	940	U	940				1.3	U	1.3	1,300	U	1,300	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Bromodichloromethane	0.60	U	0.60	450	U	450				0.60	U	0.60	600	U	600	0.60	U	0.60	0.60	U	0.60	0.60	U	0.60
Bromoform	0.39	U	0.39	290	U	290				0.39	U	0.39	390	U	390	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39
Bromomethane	1.0	U	1.0	770	U	770				1.0	U	1.0	1,000	U	1,000	1.0	U	1.0	1.0	UJ	1.0	1.0	U	1.0
Carbon Disulfide	**7.5**		1.3	960	U	960				**68**		1.3	1,300	U	1,300	1.3	U	1.3	1.3	U	1.3	1.3	U	1.3
Carbon Tetrachloride	0.64	U	0.64	480	U	480				0.64	U	0.64	640	U	640	0.64	U	0.64	0.64	U	0.64	0.64	U	0.64
Chlorobenzene	0.87	U	0.87	650	U	650				0.87	U	0.87	870	U	870	0.87	U	0.87	0.87	U	0.87	0.87	U	0.87
Chloroethane	1.5	U	1.5	1,100	U	1,100				**2.4**		1.5	1,500	U	1,500	1.5	U	1.5	1.5	U	1.5	1.5	U	1.5
Chloroform	0.82	U	0.82	610	U	610				**1.6**		0.82	820	U	820	0.82	U	0.82	0.82	U	0.82	0.82	U	0.82
Chloromethane	1.9	U	1.9	1,500	U	1,500				**10**		1.9	1,900	U	1,900	1.9	U	1.9	1.9	U	1.9	1.9	U	1.9
cis-1,2-Dichloroethene	1.0	U	1.0	760	U	760				1.0	U	1.0	1,000	U	1,000	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
cis-1,3-Dichloropropane	0.88	U	0.88	660	U	660				0.88	U	0.88	880	U	880	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Dibromochloromethane	0.47	U	0.47	350	U	350				0.47	U	0.47	470	U	470	0.47	U	0.47	0.47	U	0.47	0.47	U	0.47
Ethylbenzene	0.92	U	0.92	690	U	690				**1.0**		0.92	920	U	920	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
m- &p-Xylene	**0.66**	J	0.92	690	UJ	690				**2.4**	J[3]	0.92	920	UJ	920	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Methyl tert-Butyl Ether	1.1	U	1.1	830	U	830				1.1	U	1.1	1,100	U	1,100	**1.0**	J	1.1	1.1	U	1.1	1.1	U	1.1
Methylene Chloride	1.2	U	1.2	860	U	860				1.2	U	1.2	1,200	U	1,200	1.2	U	1.2	1.2	U	1.2	1.2	U	1.2
o-Xylene	0.92	U	0.92	690	U	690				**0.78**	J	0.92	920	U	920	0.92	U	0.92	0.92	U	0.92	0.92	U	0.92
Styrene	0.94	U	0.94	700	U	700				0.94	U	0.94	940	U	940	0.94	U	0.94	0.94	U	0.94	0.94	U	0.94
Tetrachloroethene	**5.1**		0.59	440	U	440				**150**		0.59	590	U	590	0.59	U	0.59	0.59	U	0.59	0.59	U	0.59
Toluene	**1.8**		1.1	800	U	800				**3.5**		1.1	1,100	U	1,100	**0.98**	J	1.1	1.1	U	1.1	1.1	U	1.1
trans-1,2-Dichloroethene	1.0	U	1.0	760	U	760				1.0	U	1.0	1,000	U	1,000	1.0	U	1.0	1.0	U	1.0	1.0	U	1.0
trans-1,3-Dichloropropene	0.88	U	0.88	660	U	660				0.88	U	0.88	880	U	880	0.88	U	0.88	0.88	U	0.88	0.88	U	0.88
Trichloroethene	0.74	U	0.74	560	U	560				**6.2**		0.74	740	U	740	0.74	U	0.74	0.74	U	0.74	0.74	U	0.74
Trichlorofluoromethane	**0.47**	J	0.71	530	U	530				0.71	U	0.71	710	U	710	0.71	U	0.71	0.71	U	0.71	0.71	U	0.71
Trichlorotrifluoroethane	0.52	U	0.52	390	U	390				0.52	U	0.52	520	U	520	0.52	U	0.52	0.52	U	0.52	0.52	U	0.52
Vinyl Acetate	1.1	U	1.1	850	U	850				**24**		1.1	1,100	U	1,100	1.1	U	1.1	1.1	U	1.1	1.1	U	1.1
Vinyl Chloride	1.6	U	1.6	1,200	U	1,200				1.6	U	1.6	1,600	U	1,600	1.6	U	1.6	1.6	U	1.6	1.6	U	1.6

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifier J[1] = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J[2] = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J[3] = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U[1] = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = *detection of analyte; Shaded area with* **bold number** = *detected analyte which exceeded soil gas threshold limits;* ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Field Blank			Field Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	WDI-VWFB 11/10			WDI-VWFB-11/11			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																								
Sample Date	11/10/99			11/11/99			NA			NA			NA			NA			NA			NA		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P9902287-016			P9902310-005			P991103-MB			P991102-MB			P991103-MB			P991104-MB			P991105-MB			P991103-MB		
Analysis Date	11/23/99			11/29/99			11/3/99			11/2/99			11/3/99			11/04/99			11/05/99			11/3/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)	0.50	U	0.50	0.50	U	0.50				0.50	U	0.50	0.50	U	0.50							0.50	U	0.50
Total Nonmethane (ppmv)	1.0	U	1.0	1.0	U	1.0				1.0	U	1.0	1.0	U	1.0							1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18			
1,1,2,2-Tetrachloroethane	0.58	U	0.58	0.58	U	0.58	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15			
1,1,2-Trichloroethane	0.73	U	0.73	0.73	U	0.73	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18			
1,1-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25			
1,1-Dichloroethene	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25			
1,2-Dibromoethane	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13			
1,2-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17			
1,2-Dichloroethane	0.99	U	0.99	0.99	U	0.99	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25			
1,2-Dichloropropane	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22			
1,3-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17			
1,4-Dichlorobenzene	0.67	U	0.67	0.67	U	0.67	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17			
2-Butanone	1.4	U	1.4	1.4	U	1.4	0.34	U	0.34							0.34	U	0.34	0.34	U	0.34			
2-Hexanone	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24			
4-Methyl-2-Pentanone	0.98	U	0.98	0.98	U	0.98	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24			
Acetone	1.7	U	1.7	1.7	U	1.7	0.42	U	0.42							0.42	U	0.42	0.42	U	0.42			
Benzene	1.3	U	1.3	1.3	U	1.3	0.31	U	0.31							0.31	U	0.31	0.31	U	0.31			
Bromodichloromethane	0.60	U	0.60	0.60	U	0.60	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15			
Bromoform	0.39	U	0.39	0.39	U	0.39	0.10	U	0.10							0.10	U	0.10	0.10	U	0.10			
Bromomethane	1.0	U	1.0	1.0	UJ	1.0	0.26	U	0.26							0.26	U	0.26	0.26	U	0.26			
Carbon Disulfide	1.3	U	1.3	1.3	U	1.3	0.32	U	0.32							0.32	U	0.32	0.32	U	0.32			
Carbon Tetrachloride	0.64	U	0.64	0.64	U	0.64	0.16	U	0.16							0.16	U	0.16	0.16	U	0.16			
Chlorobenzene	0.87	U	0.87	0.87	U	0.87	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22			
Chloroethane	1.5	U	1.5	1.5	U	1.5	0.38	U	0.38							0.38	U	0.38	0.38	U	0.38			
Chloroform	0.82	U	0.82	0.82	U	0.82	0.20	U	0.20							0.20	U	0.20	0.20	U	0.20			
Chloromethane	1.9	U	1.9	1.9	U	1.9	0.48	U	0.48							0.48	U	0.48	0.48	U	0.48			
cis-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25			
cis-1,3-Dichloropropane	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22			
Dibromochloromethane	0.47	U	0.47	0.47	U	0.47	0.12	U	0.12							0.12	U	0.12	0.12	U	0.12			
Ethylbenzene	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23			
m- &p-Xylene	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23			
Methyl tert-Butyl Ether	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28			
Methylene Chloride	1.2	U	1.2	1.2	U	1.2	0.29	U	0.29							0.29	U	0.29	0.29	U	0.29			
o-Xylene	0.92	U	0.92	0.92	U	0.92	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23			
Styrene	0.94	U	0.94	0.94	U	0.94	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23			
Tetrachloroethene	0.59	U	0.59	0.59	U	0.59	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15			
Toluene	1.1	U	1.1	1.1	U	1.1	0.27	U	0.27							0.27	U	0.27	0.27	U	0.27			
trans-1,2-Dichloroethene	1.0	U	1.0	1.0	U	1.0	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25			
trans-1,3-Dichloropropene	0.88	U	0.88	0.88	U	0.88	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22			
Trichloroethene	0.74	U	0.74	0.74	U	0.74	0.19	U	0.19							0.19	U	0.19	0.19	U	0.19			
Trichlorofluoromethane	0.71	U	0.71	0.71	U	0.71	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18			
Trichlorotrifluoroethane	0.52	U	0.52	0.52	U	0.52	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13			
Vinyl Acetate	1.1	U	1.1	1.1	U	1.1	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28			
Vinyl Chloride	1.6	U	1.6	1.6	U	1.6	0.39	U	0.39							0.39	U	0.39	0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																								
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P991105-MB			P991104-MB			P991111-MB			P991105-MB			P991111-MB			P991116-MB			P991117-MB			P991118-MB		
Analysis Date	11/05/99			11/4/99			11/11/99			11/5/99			11/11/99			11/16/99			11/17/99			11/18/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				0.50	U	0.50				0.50	U	0.50												
Total Nonmethane (ppmv)				1.0	U	1.0				1.0	U	1.0												
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18				0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane	0.15	U	0.15				0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane	0.18	U	0.18				0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane	0.25	U	0.25				0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene	0.25	U	0.25				0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane	0.13	U	0.13				0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene	0.17	U	0.17				0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane	0.25	U	0.25				0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	0.22	U	0.22				0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene	0.17	U	0.17				0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene	0.17	U	0.17				0.17	U	0.17				0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17
2-Butanone	0.34	U	0.34				0.34	U	0.34				0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34
2-Hexanone	0.24	U	0.24				0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone	0.24	U	0.24				0.24	U	0.24				0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24
Acetone	0.42	U	0.42				0.42	U	0.42				0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42
Benzene	0.31	U	0.31				0.31	U	0.31				0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31
Bromodichloromethane	0.15	U	0.15				0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Bromoform	0.10	U	0.10				0.10	U	0.10				0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10
Bromomethane	0.26	U	0.26				0.26	U	0.26				0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26
Carbon Disulfide	0.32	U	0.32				0.32	U	0.32				0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride	0.16	U	0.16				0.16	U	0.16				0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16
Chlorobenzene	0.22	U	0.22				0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Chloroethane	0.38	U	0.38				0.38	U	0.38				0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38
Chloroform	0.20	U	0.20				0.20	U	0.20				0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20
Chloromethane	0.48	U	0.48				0.48	U	0.48				0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene	0.25	U	0.25				0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
cis-1,3-Dichloropropane	0.22	U	0.22				0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Dibromochloromethane	0.12	U	0.12				0.12	U	0.12				0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12
Ethylbenzene	0.23	U	0.23				0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
m- &p-Xylene	0.23	U	0.23				0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether	0.28	U	0.28				0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Methylene Chloride	0.29	U	0.29				0.29	U	0.29				0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29
o-Xylene	0.23	U	0.23				0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Styrene	0.23	U	0.23				0.23	U	0.23				0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23
Tetrachloroethene	0.15	U	0.15				0.15	U	0.15				0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15
Toluene	0.27	U	0.27				0.27	U	0.27				0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene	0.25	U	0.25				0.25	U	0.25				0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene	0.22	U	0.22				0.22	U	0.22				0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22
Trichloroethene	0.19	U	0.19				0.19	U	0.19				0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane	0.18	U	0.18				0.18	U	0.18				0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane	0.13	U	0.13				0.13	U	0.13				0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13
Vinyl Acetate	0.28	U	0.28				0.28	U	0.28				0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28
Vinyl Chloride	0.39	U	0.39				0.39	U	0.39				0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*			*Method Blank*		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank			Blank			Blank			Blank			Blank		
Sample Depth																								
Sample Date	NA			NA			NA			NA			NA			NA			NA			NA		
Field Methane (%)																								
Field PID VOCs (ppm)																								
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P991119-MB			P991122-MB			P991119-MB			P991122-MB			P991115-MB			P991116-MB			P991124-MB			P991129-MB		
Analysis Date	11/19/99			11/22/99			11/19/99			11/22/99			11/15/99			11/15/99			11/24/99			11/29/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)													0.50	U	0.50	0.50	U	0.50						
Total Nonmethane (ppmv)													1.0	U	1.0	1.0	U	1.0						
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18
1,1,2,2-Tetrachloroethane	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15
1,1,2-Trichloroethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18
1,1-Dichloroethane	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25
1,1-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25
1,2-Dibromoethane	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13
1,2-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17
1,2-Dichloroethane	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25
1,2-Dichloropropane	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22
1,3-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17
1,4-Dichlorobenzene	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17	0.17	U	0.17							0.17	U	0.17	0.17	U	0.17
2-Butanone	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34	0.34	U	0.34							0.34	U	0.34	0.34	U	0.34
2-Hexanone	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24
4-Methyl-2-Pentanone	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24	0.24	U	0.24							0.24	U	0.24	0.24	U	0.24
Acetone	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42	0.42	U	0.42							0.42	U	0.42	0.42	U	0.42
Benzene	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31	0.31	U	0.31							0.31	U	0.31	0.31	U	0.31
Bromodichloromethane	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15
Bromoform	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10	0.10	U	0.10							0.10	U	0.10	0.10	U	0.10
Bromomethane	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26	0.26	U	0.26							0.26	U	0.26	0.26	U	0.26
Carbon Disulfide	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32	0.32	U	0.32							0.32	U	0.32	0.32	U	0.32
Carbon Tetrachloride	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16	0.16	U	0.16							0.16	U	0.16	0.16	U	0.16
Chlorobenzene	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22
Chloroethane	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38	0.38	U	0.38							0.38	U	0.38	0.38	U	0.38
Chloroform	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20	0.20	U	0.20							0.20	U	0.20	0.20	U	0.20
Chloromethane	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48	0.48	U	0.48							0.48	U	0.48	0.48	U	0.48
cis-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25
cis-1,3-Dichloropropane	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22
Dibromochloromethane	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12	0.12	U	0.12							0.12	U	0.12	0.12	U	0.12
Ethylbenzene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23
m- &p-Xylene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23
Methyl tert-Butyl Ether	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28
Methylene Chloride	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29	0.29	U	0.29							0.29	U	0.29	0.29	U	0.29
o-Xylene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23
Styrene	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23	0.23	U	0.23							0.23	U	0.23	0.23	U	0.23
Tetrachloroethene	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15	0.15	U	0.15							0.15	U	0.15	0.15	U	0.15
Toluene	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27	0.27	U	0.27							0.27	U	0.27	0.27	U	0.27
trans-1,2-Dichloroethene	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25	0.25	U	0.25							0.25	U	0.25	0.25	U	0.25
trans-1,3-Dichloropropene	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22	0.22	U	0.22							0.22	U	0.22	0.22	U	0.22
Trichloroethene	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19	0.19	U	0.19							0.19	U	0.19	0.19	U	0.19
Trichlorofluoromethane	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18	0.18	U	0.18							0.18	U	0.18	0.18	U	0.18
Trichlorotrifluoroethane	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13	0.13	U	0.13							0.13	U	0.13	0.13	U	0.13
Vinyl Acetate	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28	0.28	U	0.28							0.28	U	0.28	0.28	U	0.28
Vinyl Chloride	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39	0.39	U	0.39							0.39	U	0.39	0.39	U	0.39

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.4

INTERIM THRESHOLD SCREEN LEVELS ANALYTICAL DATA
NOVEMBER 1999 SOIL GAS MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(continued)

Sample Location	Method Blank			Method Blank			Method Blank			Method Blank		
Sample Number	Method Blank			Method Blank			Method Blank			Method Blank		
Sample Type	Blank			Blank			Blank			Blank		
Sample Depth												
Sample Date	NA			NA			NA			NA		
Field Methane (%)												
Field PID VOCs (ppm)												
Laboratory	Performance Analytical			Performance Analytical			Performance Analytical			Performance Analytical		
Lab Sample ID	P991130-MB			P991123-MB			P991129-MB			P991129-MB		
Analysis Date	11/30/99			11/23/99			11/29/99			11/29/99		
	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
Lab Methane (ppmv)				0.50	U	0.50				0.50	U	0.50
Total Nonmethane (ppmv)				1.0	U	1.0				1.0	U	1.0
Parameter (TO-15 analytes)	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL	Result	Qual	RDL
	(ppbv)			(ppbv)			(ppbv)			(ppbv)		
1,1,1-Trichloroethane	0.18	U	0.18				0.18	U	0.18			
1,1,2,2-Tetrachloroethane	0.15	U	0.15				0.15	U	0.15			
1,1,2-Trichloroethane	0.18	U	0.18				0.18	U	0.18			
1,1-Dichloroethane	0.25	U	0.25				0.25	U	0.25			
1,1-Dichloroethene	0.25	U	0.25				0.25	U	0.25			
1,2-Dibromoethane	0.13	U	0.13				0.13	U	0.13			
1,2-Dichlorobenzene	0.17	U	0.17				0.17	U	0.17			
1,2-Dichloroethane	0.25	U	0.25				0.25	U	0.25			
1,2-Dichloropropane	0.22	U	0.22				0.22	U	0.22			
1,3-Dichlorobenzene	0.17	U	0.17				0.17	U	0.17			
1,4-Dichlorobenzene	0.17	U	0.17				0.17	U	0.17			
2-Butanone	0.34	U	0.34				0.34	U	0.34			
2-Hexanone	0.24	U	0.24				0.24	U	0.24			
4-Methyl-2-Pentanone	0.24	U	0.24				0.24	U	0.24			
Acetone	0.42	U	0.42				0.42	U	0.42			
Benzene	0.31	U	0.31				0.31	U	0.31			
Bromodichloromethane	0.15	U	0.15				0.15	U	0.15			
Bromoform	0.10	U	0.10				0.10	U	0.10			
Bromomethane	0.26	U	0.26				0.26	U	0.26			
Carbon Disulfide	0.32	U	0.32				0.32	U	0.32			
Carbon Tetrachloride	0.16	U	0.16				0.16	U	0.16			
Chlorobenzene	0.22	U	0.22				0.22	U	0.22			
Chloroethane	0.38	U	0.38				0.38	U	0.38			
Chloroform	0.20	U	0.20				0.20	U	0.20			
Chloromethane	0.48	U	0.48				0.48	U	0.48			
cis-1,2-Dichloroethene	0.25	U	0.25				0.25	U	0.25			
cis-1,3-Dichloropropane	0.22	U	0.22				0.22	U	0.22			
Dibromochloromethane	0.12	U	0.12				0.12	U	0.12			
Ethylbenzene	0.23	U	0.23				0.23	U	0.23			
m- &p-Xylene	0.23	U	0.23				0.23	U	0.23			
Methyl tert-Butyl Ether	0.28	U	0.28				0.28	U	0.28			
Methylene Chloride	0.29	U	0.29				0.29	U	0.29			
o-Xylene	0.23	U	0.23				0.23	U	0.23			
Styrene	0.23	U	0.23				0.23	U	0.23			
Tetrachloroethene	0.15	U	0.15				0.15	U	0.15			
Toluene	0.27	U	0.27				0.27	U	0.27			
trans-1,2-Dichloroethene	0.25	U	0.25				0.25	U	0.25			
trans-1,3-Dichloropropene	0.22	U	0.22				0.22	U	0.22			
Trichloroethene	0.19	U	0.19				0.19	U	0.19			
Trichlorofluoromethane	0.18	U	0.18				0.18	U	0.18			
Trichlorotrifluoroethane	0.13	U	0.13				0.13	U	0.13			
Vinyl Acetate	0.28	U	0.28				0.28	U	0.28			
Vinyl Chloride	0.39	U	0.39				0.39	U	0.39			

NOTE: All methane & nonmethane results to be reported in ppmv; all VOC results to be reported in ppbv.
The RDL should be provided for all analytes.
Qualifier U = analyte not detected; qualifier J = analyte detected below RDL (estimated concentration); qualifer J^1 = reported positive results observed for the compound should be considered estimated due to large discrepancies between the sample and its field duplicate.
Qualifer J^2 = Results for acetone should be considered semi-quantitative due to coelution with 1-Propanol and 2-Methylbutane; qualifer J^3 = reported positive result should be considered estimated due to high percent differences observed in continuing calibration.
Qualifer U^1 = reported positive results are qualitatively questionable due to trace level presence of compound in field, trip and/or laboratory blanks; qualifer UJ = actual detection limit for compound may be higher than reported.
"Results" field includes either: the concentration or the RDL (if analyte not detected). Do not report results with < symbol.
Bold number = detection of analyte; Shaded area with **bold number** = detected analyte which exceeded soil gas threshold limits; ***Italicized bold number*** = detected analyte which exceeded site boundary threshold limits.

TABLE 4.5

CHEMICALS OF CONCERN WHICH EXCEED SITE BOUNDARY INTERIM THRESHOLD LIMITS
VAPOR WELL MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	VAPOR WELL	WELL TYPE	WELL LOCATION	MATERIAL TYPE (1)	DATE OF SAMPLE	CONSTITUENT	THRESHOLD LIMIT	CONCENTRATION
1	VW-46	Shallow	Perimeter	F	Aug-99	Methane	12,500 ppm	15,900 ppm
					Nov-99	Methane	12,500 ppm	32,200 ppm
	VW-62	Shallow	Perimeter	F	Feb-99	Methane	12,500 ppm	39,000 ppm
					Apr-99	Methane	12,500 ppm	35,800 ppm
					Aug-99	Methane	12,500 ppm	57,000 ppm
					Nov-99	Methane	12,500 ppm	56,200 ppm
	VW-18	RI	Perimeter	A	Feb-99	Benzene	100 ppb	430 ppb
					Aug-99	Benzene	100 ppb	570 ppb
	VW-35	Deep	Perimeter	N	Feb-99	TCE	411 ppb	1,300 ppb
					Apr-99	TCE	411 ppb	1,200 ppb
					Aug-99	TCE	411 ppb	850 ppb
					Nov-99	TCE	411 ppb	730 ppb
2	VW-45	Shallow	Perimeter	F	Feb-99	Methane	12,500 ppm	173,000 ppm
					Apr-99	Methane	12,500 ppm	174,000 ppb
					Aug-99	Methane	12,500 ppm	176,000 ppb
					Nov-99	Methane	12,500 ppm	168,000 ppb
					Feb-99	Benzene	100 ppb	9,500 ppb
					Apr-99	Benzene	100 ppb	23,000 ppb
					Aug-99	Benzene	100 ppb	28,000 ppb
					Nov-99	Benzene	100 ppb	45,000 ppb
					Nov-99	cis-1,2-Dichloroethene	930 ppb	1,100 ppb
					Apr-99	m- & p-Xylenes	7,140 ppb	18,000 ppb
					Aug-99	m- & p-Xylenes	7,140 ppb	23,000 ppb
					Nov-99	m- & p-Xylenes	7,140 ppb	32,000 ppb
					Nov-99	o-Xylene	7,140 ppb	9,900 ppb
					Apr-99	Toluene	10,600 ppb	20,000 ppb
					Aug-99	Toluene	10,600 ppb	21,000 ppb
					Nov-99	Toluene	10,600 ppb	24,000 ppb
					Apr-99	trans-1,2-Dichloroethene	1,840 ppb	4,300 ppb
					Aug-99	trans-1,2-Dichloroethene	1,840 ppb	2,600 ppb
					Nov-99	trans-1,2-Dichloroethene	1,840 ppb	1,900 ppb
					Feb-99	Vinyl Chloride	12.5 ppb	31,000 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	75,000 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	70,000 ppb
					Dec-99	Vinyl Chloride	12.5 ppb	66,000 ppb

(1) MaterialTypes:
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A = All Material

ppm = parts per million
ppb = parts per billion

RI = Remedial Investigation Well

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TABLE 4.5

CHEMICALS OF CONCERN WHICH EXCEED SITE BOUNDARY INTERIM THRESHOLD LIMITS
VAPOR WELL MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

AREA	VAPOR WELL	WELL TYPE	WELL LOCATION	MATERIAL TYPE (1)	DATE OF SAMPLE	CONSTITUENT	THRESHOLD LIMIT	CONCENTRATION
2 (Continued)	VW-45	Intermediate	Interior	S	Feb-99	Methane	12,500 ppm	97,000 ppm
					Apr-99	Methane	12,500 ppm	120,000 ppb
					Aug-99	Methane	12,500 ppm	12,800 ppb
					Nov-99	Methane	12,500 ppm	168,000 ppb
					Feb-99	Benzene	100 ppb	7,200 ppb
					Apr-99	Benzene	100 ppb	7,300 ppb
					Aug-99	Benzene	100 ppb	2,200 ppb
					Nov-99	Benzene	100 ppb	3,600 ppb
					Feb-99	m- & p-Xylenes	7,140 ppb	9,600 ppb
					Apr-99	m- & p-Xylenes	7,140 ppb	13,000 ppb
					Aug-99	m- & p-Xylenes	7,140 ppb	7,600 ppb
					Nov-99	m- & p-Xylenes	7,140 ppb	8,200 ppb
					Apr-99	o-Xylene	7,140 ppb	7,200 ppb
					Feb-99	Toluene	10,600 ppb	13,000 ppb
					Apr-99	Toluene	10,600 ppb	12,000 ppb
					Apr-99	trans-1,2-Dichloroethene	1,840 ppb	2,300 ppb
					Feb-99	Vinyl Chloride	12.5 ppb	16,000 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	27,000 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	17,000 ppb
					Dec-99	Vinyl Chloride	12.5 ppb	17,000 ppb
	VW-45	Deep	Interior	N	Feb-99	Methane	12,500 ppm	18,000 ppb
					Apr-99	Methane	12,500 ppm	17,000 ppb
					Aug-99	Methane	12,500 ppm	18,000 ppb
					Nov-99	Methane	12,500 ppm	17,800 ppb
					Feb-99	Vinyl Chloride	12.5 ppb	73 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	62 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	47 ppb
					Nov-99	Vinyl Chloride	12.5 ppb	52 ppb
5	VW-51	Intermediate	Perimeter	S	Feb-99	Methane	12,500 ppm	90,100 ppm
					Apr-99	Methane	12,500 ppm	420,000 ppm
					Aug-99	Methane	12,500 ppm	390,000 ppm
					Nov-99	Methane	12,500 ppm	239,000 ppm
					Feb-99	Benzene	100 ppb	3,100 ppb
					Apr-99	Benzene	100 ppb	12,000 ppb
					Aug-99	Benzene	100 ppb	13,000 ppb
					Nov-99	Benzene	100 ppb	5,400 ppb

(1) MaterialTypes:
F = Fill Material
S = Sump Material
N = Native Material
A = All Material

ppm = parts per million
ppb = parts per billion

RI = Remedial Investigation Well

TABLE 4.5

CHEMICALS OF CONCERN WHICH EXCEED SITE BOUNDARY INTERIM THRESHOLD LIMITS
VAPOR WELL MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

AREA	VAPOR WELL	WELL TYPE	WELL LOCATION	MATERIAL TYPE (1)	DATE OF SAMPLE	CONSTITUENT	THRESHOLD LIMIT	CONCENTRATION
5 (Continued)	MP-1	Intermediate	Perimeter	S	Feb-99	Methane	12,500 ppm	947,000 ppm
					Apr-99	Methane	12,500 ppm	910,000 ppm
					Aug-99	Methane	12,500 ppm	778,000 ppm
					Nov-99	Methane	12,500 ppm	923,000 ppm
	MP-2	Intermediate	Perimeter	S	Feb-99	Methane	12,500 ppm	825,000 ppm
					Apr-99	Methane	12,500 ppm	840,000 ppm
					Aug-99	Methane	12,500 ppm	837,000 ppm
					Nov-99	Methane	12,500 ppm	850,000 ppm
	VW-51	Deep	Perimeter	N	Feb-99	Methane	12,500 ppm	18,900 ppm
					Apr-99	Methane	12,500 ppm	22,000 ppm
					Aug-99	Methane	12,500 ppm	23,400 ppm
					Nov-99	Methane	12,500 ppm	23,800 ppm
					Feb-99	PCE	532 ppb	570 ppb
					Feb-99	TCE	411 ppb	1,000 ppb
					Apr-99	TCE	411 ppb	550 ppb
					Aug-99	TCE	411 ppb	500 ppb
					Nov-99	TCE	411 ppb	540 ppb
					Feb-99	Vinyl Chloride	12.5 ppb	69 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	37 ppb
					Nov-99	Vinyl Chloride	12.5 ppb	50 ppb
7	VW-25	RI	Perimeter	A	Feb-99	Methane	12,500 ppm	145,000 ppm
					Apr-99	Methane	12,500 ppm	120,000 ppm
					Aug-99	Methane	12,500 ppm	151,000 ppm
8	VW-53	Shallow	Perimeter	F	Aug-99	Methane	12,500 ppm	13,700 ppm
					Aug-99	Vinyl Chloride	12.5 ppb	23 ppb
	VW-55	Shallow	Perimeter	F	Aug-99	Methane	12,500 ppm	115,000 ppm
					Nov-99	Methane	12,500 ppm	74,700 ppm
	VW-56	Shallow	Perimeter	F	Aug-99	Vinyl Chloride	12.5 ppb	17 ppb
					Nov-99	Vinyl Chloride	12.5 ppb	15 ppb
	VW-58	Shallow	Perimeter	F	Feb-99	TCE	411 ppb	2,000 ppb
					Apr-99	TCE	411 ppb	2,200 ppb
					Aug-99	TCE	411 ppb	4,400 ppb
					Nov-99	TCE	411 ppb	3,200 ppb
	VW-49	Intermediate	Perimeter	S	Apr-99	PCE	532 ppb	540 ppb
					Nov-99	PCE	532 ppb	540 ppb

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TABLE 4.5

CHEMICALS OF CONCERN WHICH EXCEED SITE BOUNDARY INTERIM THRESHOLD LIMITS
VAPOR WELL MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

AREA	VAPOR WELL	WELL TYPE	WELL LOCATION	MATERIAL TYPE (1)	DATE OF SAMPLE	CONSTITUENT	THRESHOLD LIMIT	CONCENTRATION
8 (Continued)	VW-53	Intermediate	Perimeter	S	Feb-99	TCE	411 ppb	550 ppb
					Apr-99	TCE	411 ppb	510 ppb
					Aug-99	TCE	411 ppb	440 ppb
					Nov-99	TCE	411 ppb	560 ppb
	VW-55	Intermediate	Perimeter	S	Feb-99	Methane	12,500 ppm	13,000 ppm
					Feb-99	TCE	411 ppb	450 ppb
					Apr-99	TCE	411 ppb	740 ppb
					Aug-99	TCE	411 ppb	520 ppb
					Feb-99	Vinyl Chloride	12.5 ppb	73 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	110 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	65 ppb
					Nov-99	Vinyl Chloride	12.5 ppb	50 ppb
	VW-56	Intermediate	Perimeter	S	Feb-99	TCE	411 ppb	550 ppb
					Apr-99	TCE	411 ppb	470 ppb
					Aug-99	TCE	411 ppb	470 ppb
					Nov-99	TCE	411 ppb	440 ppb
	VW-57	Intermediate	Perimeter	S	Feb-99	TCE	411 ppb	740 ppb
					Apr-99	TCE	411 ppb	560 ppb
	VW-58	Intermediate	Perimeter	S	Feb-99	TCE	411 ppb	3,700 ppb
					Apr-99	TCE	411 ppb	4,500 ppb
					Aug-99	TCE	411 ppb	4,400 ppb
					Nov-99	TCE	411 ppb	4,700 ppb
	VW-61	Intermediate	Perimeter	S	Feb-99	Vinyl Chloride	12.5 ppb	38 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	28 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	15 ppb
					Nov-99	Vinyl Chloride	12.5 ppb	25 ppb
	VW-13	RI	Perimeter	A	Feb-99	Methane	12,500 ppm	14,000 ppm
					Feb-99	Vinyl Chloride	12.5 ppb	36 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	40 ppb
					Aug-99	Vinyl Chloride	Jan-04	20 ppb
	VW-22	RI	Perimeter	A	Feb-99	TCE	411 ppb	1,800 ppb
					Apr-99	TCE	411 ppb	1,700 ppb
					Aug-99	TCE	411 ppb	1,800 ppb
					Nov-99	TCE	411 ppb	1,500 ppb

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TABLE 4.5

CHEMICALS OF CONCERN WHICH EXCEED SITE BOUNDARY INTERIM THRESHOLD LIMITS
VAPOR WELL MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

AREA	VAPOR WELL	WELL TYPE	WELL LOCATION	MATERIAL TYPE (1)	DATE OF SAMPLE	CONSTITUENT	THRESHOLD LIMIT	CONCENTRATION
8 (Continued)	VW-23	RI	Perimeter	A	Feb-99	TCE	411 ppb	890 ppb
					Apr-99	TCE	411 ppb	780 ppb
					Aug-99	TCE	411 ppb	650 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	18 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	17 ppb
	VW-49	Deep	Perimeter	N	Apr-99	PCE	532 ppb	550 ppb
	VW-53	Deep	Perimeter	N	Feb-99	TCE	411 ppb	670 ppb
					Apr-99	TCE	411 ppb	580 ppb
					Aug-99	TCE	411 ppb	490 ppb
					Nov-99	TCE	411 ppb	490 ppb
	VW-55	Deep	Perimeter	N	Feb-99	TCE	411 ppb	470 ppb
					Aug-99	TCE	411 ppb	460 ppb
					Feb-99	Vinyl Chloride	12.5 ppb	22 ppb
					Apr-99	Vinyl Chloride	12.5 ppb	58 ppb
					Aug-99	Vinyl Chloride	12.5 ppb	68 ppb
					Nov-99	Vinyl Chloride	12.5 ppb	53 ppb
	VW-56	Deep	Perimeter	N	Feb-99	TCE	411 ppb	590 ppb
					Apr-99	TCE	411 ppb	480 ppb
					Aug-99	TCE	411 ppb	430 ppb
					Nov-99	TCE	411 ppb	470 ppb
	VW-57	Deep	Perimeter	N	Feb-99	TCE	411 ppb	1,100 ppb
					Apr-99	TCE	411 ppb	700 ppb
					Aug-99	TCE	411 ppb	430 ppb
					Nov-99	TCE	411 ppb	420 ppb
	VW-58	Deep	Perimeter	N	Feb-99	TCE	411 ppb	2,800 ppb
					Apr-99	TCE	411 ppb	2,500 ppb
					Aug-99	TCE	411 ppb	2,700 ppb
					Nov-99	TCE	411 ppb	2,800 ppb

94-256/Rpts/AnSoGaMoRe (3/00) (5/2/00/rs)

(1) MaterialTypes:
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TABLE 4.6

CHEMICALS OF CONCERN WHICH EXCEED SOIL GAS INTERIM THRESHOLD LIMITS
VAPOR WELL MONITORING
WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	VAPOR WELL	WELL TYPE	WELL LOCATION	MATERIAL TYPE (1)	DATE OF SAMPLE	CONSTITUENT	THRESHOLD LIMIT	CONCENTRATION
2	VW-48	Shallow	Interior	F	Feb-99	Methane	12,500 ppm	208,000 ppm
					Aug-99	Methane	12,500 ppm	184,000 ppm
					Feb-99	Benzene	200 ppb	810 ppb
					Apr-99	Benzene	200 ppb	880 ppb
					Aug-99	Benzene	200 ppb	680 ppb
					Feb-99	Vinyl Chloride	25 ppb	450 ppb
					Apr-99	Vinyl Chloride	25 ppb	420 ppb
					Aug-99	Vinyl Chloride	25 ppb	510 ppb
	VW-43	Intermediate	Interior	S	Feb-99	Methane	12,500 ppm	16,100 ppm
					Apr-99	Methane	12,500 ppm	21,000 ppb
					Aug-99	Methane	12,500 ppm	22,000 ppb
					Feb-99	Vinyl Chloride	25 ppb	490 ppb
					Apr-99	Vinyl Chloride	25 ppb	670 ppb
					Aug-99	Vinyl Chloride	25 ppb	470 ppb
	VW-48	Intermediate	Interior	S	Feb-99	Methane	12,500 ppm	356,000 ppm
					Aug-99	Methane	12,500 ppm	530,000 ppm
					Feb-99	Benzene	200 ppb	2,900 ppb
					Apr-99	Benzene	200 ppb	7,100 ppb
					Aug-99	Benzene	200 ppb	3,500 ppb
	VW-04	RI	Interior	A	Aug-99	Methane	12,500 ppm	78,900 ppm
					Feb-99	Benzene	200 ppb	230 ppb
					Apr-99	Benzene	200 ppb	270 ppb
					Aug-99	Benzene	200 ppb	350 ppb
					Aug-99	Vinyl Chloride	25 ppb	64 ppb
	VW-43	Deep	Interior	N	Apr-99	Methane	12,500 ppm	16,000 ppm
					Aug-99	Methane	12,500 ppm	16,300 ppm
					Feb-99	Vinyl Chloride	25 ppb	390 ppb
					Apr-99	Vinyl Chloride	25 ppb	440 ppb
					Aug-99	Vinyl Chloride	25 ppb	300 ppb
	VW-48	Deep	Interior	N	Feb-99	Methane	12,500 ppm	13,500 ppm
					Aug-99	Methane	12,500 ppm	19,600 ppm
8	VW-52	Intermediate	Interior	N	Feb-99	1,2-Dichloropropane	186 ppb	190 ppb
	VW-14	RI	Interior	A	Feb-99	1,2-Dichloropropane	186 ppb	190 ppb
					Apr-99	Vinyl Chloride	25 ppb	37 ppb
					Aug-99	Vinyl Chloride	25 ppb	66 ppb
	VW-52	Deep	Interior	N	Feb-99	1,2-Dichloropropane	186 ppb	250 ppb
					Apr-99	1,2-Dichloropropane	186 ppb	220 ppb

94-256/Rpts/AnSoGaMoRe (3/00) (5/2/00/ey)

(1) MaterialTypes:
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A = All Material

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TABLE 4.7

SUMMARY OF TREND DATA FOR SELECTED SOIL GAS WELLS FOR ACETONE, BENZENE, ETHYLBENZENE, M- & P-XYLENE, METHANE PCE, TCE, TOLUENE AND VINYL CHLORIDE WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE NUMBER	LOCATION	CONSTITUENTS[1]	1998				1999			
			1stQ	2ndQ	3rdQ	4thQ	1stQ	2ndQ	3rdQ	4thQ
VW-30-07	9843 S. Greenleaf Ave in **Area 5** near the east front corner of the building	Acetone	2.8	ND	2.6	3.6	4.0	5.6	11.0	8.5
		Benzene	ND	ND	ND	ND	1.6	ND	ND	ND
		Ethylbenzene	ND	ND	ND	ND	0.9	ND	1.1	1.1
		m- & p-Xylene	1.6	ND	1.2	ND	6.0	ND	4.2	3.8
		Methane	4.8	9.8	1.5	1.1	2.3	11.0	1.5	ND
		PCE	1.7	2.5	3.1	2.7	2.3	1.6	8.2	1.9
		Toluene	2.4	1.4	2.2	1.7	5.6	ND	4.0	6.7
		TCE	0.69	0.51	1.0	ND	ND	ND	2.7	ND
		Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
VW-30-23	9843 S. Greenleaf Ave in **Area 5** near the east front corner of the building	Acetone	ND	ND	ND	ND	ND	ND	ND	ND
		Benzene	ND	ND	ND	ND	ND	ND	ND	ND
		Ethylbenzene	ND	ND	0.9	ND	ND	ND	ND	ND
		m- & p-Xylene	2.1	ND	3.9	ND	ND	ND	ND	0.74
		Methane	**9,200**	**12,000**	1,300	32.0	17.0	19.0	1.9	0.91
		PCE	32.0	27.0	55.0	220	210	190	190	180
		Toluene	2.7	0.72	2.0	1.0	ND	ND	ND	2.4
		TCE	32.0	21.0	10.0	6.6	3.4	4.8	3.2	2.7
		Vinyl Chloride	ND	1.3	ND	ND	ND	ND	ND	ND
VW-30-35	9843 S. Greenleaf Ave in **Area 5** near the east front corner of the building	Acetone	ND	ND	ND	ND	ND	ND	ND	ND
		Benzene	ND	ND	ND	ND	ND	ND	ND	ND
		Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
		m- & p-Xylene	2.3	ND	1.3	ND	ND	ND	0.75	0.61
		Methane	**11,000**	**13,000**	3,380	290	130	84	15	7.2
		PCE	46	39	67	250	250	210	220	220
		Toluene	4.0	1.1	2.2	1.1	ND	ND	ND	2.1
		TCE	76.0	40.0	23.0	17.0	7.8	7.1	5.0	4.8
		Vinyl Chloride	5.5	2.7	1.3	ND	ND	ND	ND	ND
VW-42-10	In the east corner of **Area 2** next to Area 3	Acetone			7.7	7.1	5.9	7.9	8.5	2.4
		Benzene			ND	1.7	ND	ND	ND	1.0
		Ethylbenzene			ND	ND	ND	ND	0.64	1.2
		m- & p-Xylene			2.3	2.5	ND	ND	3.3	5.3
		Methane			2.0	1.3	ND	0.91	ND	ND
		PCE			6.2	8.5	4.2	4.7	7.0	5.3
		Toluene			3.1	3.8	ND	0.67	1.8	5.6
		TCE			ND	ND	ND	0.80	ND	ND
		Vinyl Chloride			ND	ND	ND	ND	ND	ND

(1) Except for methane concentrations measured as parts per million volume (ppmv); concentrations of constituents were measured in parts per billion volume (ppbv).
ND = Concentration of the constituent was not detected above the laboratory's reporting limit.
Bold number show concentrations that exceeded 50 percent of the Soil Gas Interim Threshold Screening Levels (ITSLs).
ITSLs: acetone (7,800 ppbv); benzene (50 ppbv); ethylbenzene (12,250 ppbv); m- & p-xylenes (3,570 ppbv); methane (6,250 ppmv); PCE (266 ppbv); TCE (205.5 ppbv); toluene (5,300 ppbv) and vinyl chloride (6.25 ppbv).

Shaded area indicates that the well was not sampled during that quarter.

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TABLE 4.7

SUMMARY OF TREND DATA FOR SELECTED SOIL GAS WELLS FOR ACETONE, BENZENE, ETHYLBENZENE, M- & P-XYLENE, METHANE PCE, TCE, TOLUENE AND VINYL CHLORIDE WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE NUMBER	LOCATION	CONSTITUENTS[1]	1998				1999			
			1stQ	2ndQ	3rdQ	4thQ	1stQ	2ndQ	3rdQ	4thQ
VW-42-30	In the east corner of Area 2 next to Area 3	Acetone			3.4	5.8	1.2	6.5	9.5	41.0
		Benzene			ND	4.3	ND	ND	ND	1.1
		Ethylbenzene			ND	2.5	ND	ND	0.7	1.2
		m- & p-Xylene			2.3	11.0	ND	ND	3.6	5.5
		Methane			ND	ND	ND	ND	53.0	ND
		PCE			9.3	13.0	7.9	8.7	8.8	8.9
		Toluene			2.9	25.0	ND	ND	1.9	6.2
		TCE			ND	0.93	ND	ND	ND	ND
		Vinyl Chloride			ND	ND	ND	ND	ND	ND
VW-45-12	In the west corner of Area 2 next to the building	Acetone			ND	ND	ND	ND	ND	ND
		Benzene			9.90	**32,000**	**9,500**	**23,000**	**28,000**	**45,000**
		Ethylbenzene			0.97	6,000	1,500	4,900	5,900	8,700
		m- & p-Xylene			6.00	**23,000**	**5,900**	**18,000**	**23,000**	**32,000**
		Methane			**213,000**	**260,000**	**173,000**	**179,000**	**176,000**	**168,000**
		PCE			ND	ND	ND	ND	ND	ND
		Toluene			7.20	**39,000**	**8,400**	**20,000**	**21,000**	**24,000**
		TCE			0.26	ND	ND	ND	290	ND
		Vinyl Chloride			**55.00**	**140,000**	**31,000**	**75,000**	**70,000**	**66,000**
VW-45-22	In the west corner of Area 2 next to the building	Acetone	ND	ND	ND	ND	ND	ND	ND	ND
		Benzene	**570**	**2,800**	4.7	**1,800**	**7,200**	**7,300**	**2,200**	**3,600**
		Ethylbenzene	230	210	ND	ND	2,300	5,400	4,100	3,600
		m- & p-Xylene	ND	350	ND	570	**9,600**	**13,000**	**7,600**	**8,200**
		Methane	**61,000**	**63,100**	**90,200**	**101,000**	**97,700**	**120,000**	**12,800**	**168,000**
		PCE	ND	ND	ND	ND	ND	ND	ND	ND
		Toluene	100	770	0.72	600	**13,000**	**12,000**	2,800	2,200
		TCE	**530**	**240**	ND	ND	ND	ND	ND	ND
		Vinyl Chloride	**380**	**6,500**	**87**	**38,000**	**16,000**	**27,000**	**17,000**	**17,000**
VW-45-30	In the west corner of Area 2 next to the building	Acetone	100	ND	ND	ND	ND	ND	ND	ND
		Benzene	**380**	41	ND	32	44	33	25	ND
		Ethylbenzene	39	ND	ND	ND	ND	ND	ND	ND
		m- & p-Xylene	110	ND	ND	21	ND	ND	ND	ND
		Methane	***32,000***	***14,300***	***27,800***	***11,200***	***18,000***	***17,000***	***18,000***	***17,800***
		PCE	ND	ND	ND	24	14	10	ND	ND
		Toluene	47	ND	ND	ND	ND	ND	ND	ND
		TCE	17	ND	ND	ND	ND	ND	ND	ND
		Vinyl Chloride	ND	ND	ND	**99**	**73**	**62**	**47**	**52**

(1) Except for methane concentrations measured as parts per million volume (ppmv); concentrations of constituents were measured in parts per billion volume (ppbv).
ND = Concentration of the constituent was not detected above the laboratory's reporting limit.
Bold number show concentrations that exceeded 50 percent of the Soil Gas Interim Threshold Screening Levels (ITSLs).
ITSLs: acetone (7,800 ppbv); benzene (50 ppbv); ethylbenzene (12,250 ppbv); m- & p-xylenes (3,570 ppbv); methane (6,250 ppmv); PCE (266 ppbv); TCE (205.5 ppbv); toluene (5,300 ppbv) and vinyl chloride (6.25 ppbv).

Shaded area indicates that the well was not sampled during that quarter.

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TABLE 4.7

SUMMARY OF TREND DATA FOR SELECTED SOIL GAS WELLS FOR ACETONE, BENZENE, ETHYLBENZENE, M- & P-XYLENE, METHANE PCE, TCE, TOLUENE AND VINYL CHLORIDE WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE NUMBER	LOCATION	CONSTITUENTS[1]	1998				1999			
			1stQ	2ndQ	3rdQ	4thQ	1stQ	2ndQ	3rdQ	4thQ
VW-46-07	9620 Santa Fe Springs Road in **Area 1** just off the west corner of the building	Acetone			ND	ND	ND		ND	ND
		Benzene			7.1	11.0	ND		2.3	6.0
		Ethylbenzene			5.2	12.0	2.5		4.1	7.7
		m- & p-Xylene			9.0	23.0	5.0		8.2	17.0
		Methane			**17,200**	**46,500**	**11,100**		**15,900**	**32,200**
		PCE			1.5	ND	ND		ND	ND
		Toluene			11.0	15.0	3.6		4.6	12.0
		TCE			0.9	ND	ND		22.0	ND
		Vinyl Chloride			2.6	4.8	ND		1.2	ND
VW-46-15	9620 Santa Fe Springs Road in **Area 1** just off the west corner of the building	Acetone	2.1	8.8	4.1	14.0	4.9	10.0	16.0	ND
		Benzene	ND	ND	ND	ND	ND	ND	ND	ND
		Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
		m- & p-Xylene	1.9	ND	1.5	1.4	ND	ND	ND	4.7
		Methane	ND	ND	ND	ND	0.6	ND	ND	ND
		PCE	130	160	160	210	170	150	170	190
		Toluene	1.7	ND	2.8	2.0	ND	ND	6.0	5.1
		TCE	15.0	16.0	16.0	22.0	13.0	14.0	15.0	14.0
		Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
VW-46-27	9620 Santa Fe Springs Road in **Area 1** just off the west corner of the building	Acetone	11.0	6.0	2.3	6.4	5.6	12.0	21.0	6.0
		Benzene	ND	ND	ND	ND	ND	ND	ND	ND
		Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND
		m- & p-Xylene	1.6	ND	1.4	ND	ND	ND	ND	5.5
		Methane	ND	ND	ND	ND	ND	ND	ND	ND
		PCE	220	230	190	230	210	190	210	180
		Toluene	2.1	ND	2.6	1.4	ND	1.8	ND	6.6
		TCE	31.0	28.0	21.0	29.0	19.0	23.0	20.0	18.0
		Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
VW-48-08	In the RV Lot in Area 2	Acetone	ND		ND	ND	ND	ND	ND	
		Benzene	**2,200**		**820**	**1,300**	**810**	**880**	**680**	
		Ethylbenzene	170		120	ND	42	ND	49	
		m- & p-Xylene	280		ND	ND	43	ND	51	
		Methane	**365,000**		**258,000**	**150,000**	**208,000**	ND	**184,000**	
		PCE	ND		ND	ND	ND	ND	ND	
		Toluene	ND		ND	ND	41	ND	41	
		TCE	ND		ND	ND	ND	ND	ND	
		Vinyl Chloride	**480**		**750**	**490**	**450**	**420**	**510**	

(1) Except for methane concentrations measured as parts per million volume (ppmv); concentrations of constituents were measured in parts per billion volume (ppbv).
ND = Concentration of the constituent was not detected above the laboratory's reporting limit.
Bold number show concentrations that exceeded 50 percent of the Soil Gas Interim Threshold Screening Levels (ITSLs).
ITSLs: acetone (7,800 ppbv); benzene (50 ppbv); ethylbenzene (12,250 ppbv); m- & p-xylenes (3,570 ppbv); methane (6,250 ppmv); PCE (266 ppbv); TCE (205.5 ppbv); toluene (5,300 ppbv) and vinyl chloride (6.25 ppbv).

Shaded area indicates that the well was not sampled during that quarter.

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TABLE 4.7

SUMMARY OF TREND DATA FOR SELECTED SOIL GAS WELLS FOR ACETONE, BENZENE, ETHYLBENZENE, M- & P-XYLENE, METHANE PCE, TCE, TOLUENE AND VINYL CHLORIDE WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE NUMBER	LOCATION	CONSTITUENTS[1]	1998				1999			
			1stQ	2ndQ	3rdQ	4thQ	1stQ	2ndQ	3rdQ	4thQ
VW-48-17	In the RV Lot in Area 2	Acetone	ND	ND	ND	ND	ND	ND	ND	
		Benzene	**6,700**	**4,100**	**4,200**	**4,200**	**2,900**	**7,100**	**3,500**	
		Ethylbenzene	1,300	3,100	5,400	6,500	5,200	8,500	4,800	
		m- & p-Xylene	**6,400**	1,400	1,800	**3,900**	**3,800**	**7,700**	**4,300**	
		Methane	**539,000**	**441,000**	**592,000**	**517,000**	**356,000**	ND	**530,000**	
		PCE	ND	ND	ND	ND	ND	ND	ND	
		Toluene	ND	ND	ND	ND	ND	ND	ND	
		TCE	ND	ND	ND	ND	ND	ND	ND	
		Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	
VW-48-35	In the RV Lot in Area 2	Acetone	ND	ND	ND	ND	ND	ND	ND	ND
		Benzene	12	ND	ND	ND	ND	ND	ND	ND
		Ethylbenzene	17	ND	7.5	ND	ND	ND	ND	ND
		m- & p-Xylene	32	ND	ND	ND	ND	ND	ND	ND
		Methane	**37,000**	**31,600**	**27,500**	**16,600**	**13,500**	ND	**19,600**	**14,800**
		PCE	18	21	15	52	30	27	28	ND
		Toluene	ND	ND	ND	ND	ND	ND	ND	ND
		TCE	ND	6.2	ND	15	ND	ND	ND	ND
		Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND
VW-51-08	9843 S. Greenleaf Ave in **Area 5** near the east rear corner of the building	Acetone					10	8.4	51	12
		Benzene					ND	ND	ND	ND
		Ethylbenzene					ND	ND	1.1	ND
		m- & p-Xylene					ND	ND	4.1	1.3
		Methane					80	79	880	280
		PCE					0.63	0.61	1.2	0.68
		Toluene					0.72	ND	4.3	6.5
		TCE					0.45	ND	0.55	ND
		Vinyl Chloride					ND	ND	ND	ND
VW-51-18	9843 S. Greenleaf Ave in **Area 5** near the east rear corner of the building	Acetone	ND	ND	ND	ND	ND	ND	ND	ND
		Benzene	11	**1,200**	**2,900**	**6,500**	**3,100**	**12,000**	**13,000**	**5,400**
		Ethylbenzene	ND	ND	810	1,500	650	870	ND	340
		m- & p-Xylene	0.59	ND	410	ND	480	880	1,000	510
		Methane	**386,000**	**234,000**	**241,000**	**328,000**	**901,000**	**423,000**	**390,000**	**239,000**
		PCE	ND	ND	ND	ND	ND	ND	ND	ND
		Toluene	ND	ND	ND	ND	ND	ND	ND	ND
		TCE	ND	ND	ND	ND	ND	ND	ND	ND
		Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND

(1) Except for methane concentrations measured as parts per million volume (ppmv); concentrations of constituents were measured in parts per billion volume (ppbv).
ND = Concentration of the constituent was not detected above the laboratory's reporting limit.
Bold number show concentrations that exceeded 50 percent of the Soil Gas Interim Threshold Screening Levels (ITSLs).
ITSLs: acetone (7,800 ppbv); benzene (50 ppbv); ethylbenzene (12,250 ppbv); m- & p-xylenes (3,570 ppbv); methane (6,250 ppmv); PCE (266 ppbv); TCE (205.5 ppbv); toluene (5,300 ppbv) and vinyl chloride (6.25 ppbv).

Shaded area indicates that the well was not sampled during that quarter.

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TABLE 4.7

SUMMARY OF TREND DATA FOR SELECTED SOIL GAS WELLS FOR ACETONE, BENZENE, ETHYLBENZENE, M- & P-XYLENE, METHANE PCE, TCE, TOLUENE AND VINYL CHLORIDE WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE NUMBER	LOCATION	CONSTITUENTS[1]	1998				1999			
			1stQ	2ndQ	3rdQ	4thQ	1stQ	2ndQ	3rdQ	4thQ
VW-51-30	9843 S. Greenleaf Ave in Area 5 near the east rear corner of the building	Acetone	ND	ND	ND	ND	ND	ND	ND	ND
		Benzene	**310**	**86**	27	36	27	ND	ND	17
		Ethylbenzene	69	ND	ND	ND	ND	ND	ND	ND
		m- & p-Xylene	110	ND	1.8	ND	ND	ND	ND	ND
		Methane	**41,000**	**38,100**	78	**13,300**	**18,900**	**22,300**	**23,400**	**23,800**
		PCE	ND	ND	**1,400**	**420**	**570**	200	120	83
		Toluene	40	ND	1.9	ND	ND	ND	ND	ND
		TCE	200	130	**300**	**400**	**1,000**	**550**	**500**	**540**
		Vinyl Chloride	**82**	**65**	4.4	**16**	**69**	**37**		**50**
VW-55-05	12803 Los Nietos Rd in Area 8 located off the west back corner of the building	Acetone				ND			ND	ND
		Benzene				ND			ND	ND
		Ethylbenzene				ND			ND	ND
		m- & p-Xylene				ND			ND	ND
		Methane				**119,000**			**115,000**	**74,700**
		PCE				ND			ND	ND
		Toluene				ND			ND	ND
		TCE				ND			ND	ND
		Vinyl Chloride				ND			ND	ND
VW-55-18	12803 Los Nietos Rd in Area 8 located off the west back corner of the building	Acetone				ND	ND	ND	ND	ND
		Benzene				20	13	20	13	12
		Ethylbenzene				ND	ND	ND	ND	ND
		m- & p-Xylene				ND	ND	11	ND	ND
		Methane				**9,930**	**13,000**	**10,100**	**8,890**	**8,720**
		PCE				8.4	6.1	12	10	9.1
		Toluene				ND	ND	ND	ND	ND
		TCE				**740**	**470**	**740**	**520**	**360**
		Vinyl Chloride				**87**	**73**	**110**	**65**	**50**
VW-55-29	12803 Los Nietos Rd in Area 8 located off the west back corner of the building	Acetone				ND	130	ND	ND	ND
		Benzene				8.7	ND	ND	6.4	5.2
		Ethylbenzene				ND	ND	ND	ND	ND
		m- & p-Xylene				ND	ND	ND	ND	3.2
		Methane				**8,760**	**11,000**	**8,760**	**8,430**	**7,300**
		PCE				10	9.0	9.2	12	10
		Toluene				ND	ND	ND	ND	ND
		TCE				**650**	**470**	**410**	**460**	**320**
		Vinyl Chloride				**82**	**22**	**58**	**68**	**53**

(1) Except for methane concentrations measured as parts per million volume (ppmv); concentrations of constituents were measured in parts per billion volume (ppbv).
ND = Concentration of the constituent was not detected above the laboratory's reporting limit.
Bold number show concentrations that exceeded 50 percent of the Soil Gas Interim Threshold Screening Levels (ITSLs).
ITSLs: acetone (7,800 ppbv); benzene (50 ppbv); ethylbenzene (12,250 ppbv); m- & p-xylenes (3,570 ppbv); methane (6,250 ppmv); PCE (266 ppbv); TCE (205.5 ppbv); toluene (5,300 ppbv) and vinyl chloride (6.25 ppbv).

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TABLE 4.7

SUMMARY OF TREND DATA FOR SELECTED SOIL GAS WELLS FOR ACETONE, BENZENE, ETHYLBENZENE, M- & P-XYLENE, METHANE PCE, TCE, TOLUENE AND VINYL CHLORIDE WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE NUMBER	LOCATION	CONSTITUENTS[1]	1998				1999			
			1stQ	2ndQ	3rdQ	4thQ	1stQ	2ndQ	3rdQ	4thQ
VW-58-08	12741 Los Nietos Rd in **Area 8** located off the west back corner of the building	Acetone				4.5	4.6	12	7.7	ND
		Benzene				0.85	ND	ND	ND	ND
		Ethylbenzene				ND	ND	ND	ND	ND
		m- & p-Xylene				0.76	ND	ND	1.7	ND
		Methane				1.30	0.89	0.88	1.0	1.2
		PCE				26	13	15	34	18
		Toluene				1.10	ND	ND	ND	ND
		TCE				**3,200**	**2,200**	**2,200**	**4,400**	**3,200**
		Vinyl Chloride				ND	ND	ND	ND	ND
VW-58-19	12741 Los Nietos Rd in **Area 8** located off the west back corner of the building	Acetone				6.6	1.5	12	6.0	ND
		Benzene				3.7	1.0	0.84	0.88	ND
		Ethylbenzene				ND	ND	ND	ND	ND
		m- & p-Xylene				4.1	ND	ND	1.7	ND
		Methane				ND	0.78	1.2	ND	ND
		PCE				210.0	120	140	150	170
		Toluene				3.7	0.69	ND	2.1	ND
		TCE				**5,400**	**3,700**	**4,300**	**4,400**	**4,700**
		Vinyl Chloride				ND	ND	ND	ND	ND
VW-58-29	12741 Los Nietos Rd in **Area 8** located off the west back corner of the building	Acetone				8	47	6.0	5.7	ND
		Benzene				ND	0.98	2.1	ND	ND
		Ethylbenzene				ND	ND	2.2	ND	ND
		m- & p-Xylene				ND	ND	9.8	ND	ND
		Methane				0.53	0.99	0.65	ND	0.81
		PCE				190	100	120	200	150
		Toluene				ND	ND	13	1.7	ND
		TCE				**4,100**	**2,800**	**2,500**	**2,700**	**2,800**
		Vinyl Chloride				ND	ND	ND	ND	ND

(1) Except for methane concentrations measured as parts per million volume (ppmv); concentrations of constituents were measured in parts per billion volume (ppbv).
ND = Concentration of the constituent was not detected above the laboratory's reporting limit.
Bold number show concentrations that exceeded 50 percent of the Soil Gas Interim Threshold Screening Levels (ITSLs).
ITSLs: acetone (7,800 ppbv); benzene (50 ppbv); ethylbenzene (12,250 ppbv); m- & p-xylenes (3,570 ppbv); methane (6,250 ppmv); PCE (266 ppbv); TCE (205.5 ppbv); toluene (5,300 ppbv) and vinyl chloride (6.25 ppbv).

Shaded area indicates that the well was not sampled during that quarter.

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TABLE 5.1

DATA QUALITY OBJECTIVES DEVELOPMENT PROCESS WASTE DISPOSAL, INC. SUPERFUND SITE

ACTIVITY	SUBSURFACE GAS MONITORING	SHALLOW SUBSURFACE GAS MONITORING
Objectives	See Workplan Section 3.2.2	See Workplan Section 3.2.2
Intended Data Use	Risk assessment, compliance monitoring	Evaluation of shallow soil gas migration and risk assessment
Required Analytical Methods of DQO Levels	VOCs (TO-15) Methane (SCAQMD 25.1)	VOCs (TO-15) Methane (SCAQMD 25.1)
	DQO Level 3	DQO Level 2
Contaminants of Concern	VOCs Methane	VOCs Methane
Required Detection Levels	VOCs(1) Methane	VOCs(2) Methane
Action Levels/ Regulatory Standards	• CIWMB Methane Standard • EPA Interim Action Levels for Benzene and Vinyl Chloride(3)	• CIWMB Methane Standard • EPA Interim Action Levels for Benzene and Vinyl Chloride(3)
Sampling Points	• All existing vapor wells	• Shallow soil probes to be located based on vapor well results, if appropriate
Critical Sampling	Site Perimeter and wells nearest to existing building	Adjacent to vapor wells

94-256/Rpts/AnSoGaMoRe (5/16/00/rm)

(1) Required detection limits are provided in Table B.3 of the Revised QAPP.

(2) Required detection limits are provided in Table B.4 of the Revised QAPP.

(3) EPA interim action levels (EPA, 1997a and 1997b).

TABLE 5.2

FIELD COLLECTION QUALITY ASSURANCE REQUIREMENTS
WASTE DISPOSAL, INC. SUPERFUND SITE

ANALYSIS	TRIP BLANK	FIELD BLANK(1)	FIELD DUPLICATE(2)	MATRIX SPIKE AND MATRIX SPIKE DUPLICATES(3)
Vapor Wells				
Organics	None. One background air sample will be collected daily.	1 per 20 samples. Field blank will be an ambient air sample.	1 per 10 samples or 1 per day, whichever is greater.	1 per 20 samples or 1 per sample shipment, whichever is greater.

94-256/Rpts/AnSoGaMoRe (3/00) (4/21/00/rm)

(1) Field blanks will be collected during ground water and surface water sampling procedures when nondedicated sampling equipment is used. Field blanks require an additional sample volume (see Tables B.3 and B.4 of the revised QAPP). Note that field blanks will be labeled so the laboratory cannot determine that the sample is a field blank.

(2) Field duplicates require an additional sample volume (see Tables B.3 and B.4 of the revised QAPP). Note that field duplicates will be labeled so the laboratory cannot determine that the sample is a field duplicate. Field duplicates will be collected as split samples from the actual sample collected.

(3) MS/MSD samples require two additional sample volumes for organic analysis. Matrix spike samples require an additional sample volume for inorganic analyses (see Table B.3 of the revised QAPP).

TABLE 5.3

SOIL GAS ANALYSES AND QUALITY CONTROL OBJECTIVES
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETERS	ANALYTICAL PROCEDURE (EPA METHOD NUMBER)	LABORATORY SPECIFIC MEASUREMENT QUALITY OBJECTIVES (MQOs)				TYPE OF CONTAINER	PRESERVATIVE	ANALYTICAL HOLDING TIMES	REMARKS
		Detection Limit (ppbv)	Accuracy(1) (%)	Precision(2) (%)	Completeness (%)				
VOLATILE ORGANIC COMPOUNDS (VOCs)	TO-15					Stainless Steel Summa Canister	None	14 Days	
• 1,1,1-Trichloroethane(3)		10.0	71 - 132	± 30	90				
• 1,1,2,2-Tetrachloroethane		10.0	76 - 136	± 30	90				
• 1,1,2-Trichloroethane		10.0	67 - 133	± 30	90				
• 1,1-Dichloroethane		10.0	49 - 135	± 30	90				
• 1,1-Dichloroethene		10.0	48 - 146	± 30	90				
• 1,2-Dichloroethane(3)		10.0	68 - 129	± 30	90				
• 1,2-Dichloropropane		10.0	42 - 131	± 30	90				
• 2-Butanone		10.0	50 - 153	± 30	90				
• 2-Chloroethyl Vinyl Ether		10.0	40 - 214	± 30	90				
• 2-Hexanone		10.0	20 - 149	± 30	90				
• 4-Methyl-2-pentanone		10.0	40 - 125	± 30	90				
• Acetone		10.0	32 - 176	± 30	90				
• Benzene(3)		5.0	72 - 124	± 30	90				
• Bromodichloromethane		10.0	69 - 132	± 30	90				
• Bromoform		10.0	53 - 148	± 30	90				
• Bromomethane		10.0	55 - 146	± 30	90				
• Carbon Disulfide		10.0	37 - 140	± 30	90				
• Carbon Tetrachloride(3)		10.0	70 - 140	± 30	90				
• Chloroethane		10.0	52 - 137	± 30	90				
• Chloroform(3)		10.0	77 - 128	± 30	90				
• Chloromethane		10.0	37 - 129	± 30	90				
• cis-1,3-Dichloropropene		10.0	66 - 129	± 30	90				
• 1,2-Dibromoethane (3)		10.0	56 - 142	± 30	90				
• Methylene Chloride(3)		10.0	51 - 139	± 30	90				
• Tetrachloroethene		10.0	67 - 145	± 30	90				
• trans-1,2-Dichloroethene		10.0	48 - 134	± 30	90				
• trans-1,3-Dichloropropene		10.0	66 - 130	± 30	90				
• Trichloroethene(3)		10.0	71 - 135	± 30	90				
• Vinyl Acetate		10.0	24 - 143	± 30	90				
• Vinyl Chloride(3)		5.0	48 - 140	± 30	90				
METHANE	SCAQMD-25.1	0.02%	80 - 120	± 30	90	Stainless Steel Summa Canister	None	14 Days	

94-256/Rpts/AnSoVaMoRe (3/00) (4/24/00/rm)

(1) Based on matrix spike percent recovery.
(2) Based on duplicate samples.
(3) Calderon list constituents will be used as performance indicators.

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TABLE 5.4

LABORATORY QUALITY ASSURANCE REQUIREMENTS
VAPOR WELL GAS ANALYSES
WASTE DISPOSAL, INC. SUPERFUND SITE

PARAMETER GROUP	CALIBRATION METHOD	CALIBRATION/QC SAMPLING FREQUENCY	ACCEPTANCE CRITERIA
Volatile Organic Compounds (TO-15)	Calibration Curve	At start of analysis or when continuing calibration verification standard is out of control	20 percent relative standard deviation if average response factor is used.
	Initial Calibration Verification Standard	After calibration and before sample analysis	±15 percent of true value.
	Calibration Blank	Every 10 samples	<Method reporting limit.
	Continuing Calibration Verification Standard	Every 10 samples	±15 percent of true value.
	Instrument Blank	1 every 10 samples	<Method reporting limit.
	Method Blank	1 every 20 samples	<Method reporting limit.
	MS/MSD and LCS	1 every 20 samples	Precision (%): 30 percent recovery. Accuracy (%): 50 to 125 percent recovery. Completeness (%): 90 percent recovery.
	Surrogate Compound	Every sample	4-bromofluorobenzene: 59 to 139 percent recovery. α, α, α-trifluorotoluene: 58 to 146 percent recovery.

94-256/Rpts/AnSoGaMoRe (3/00) (5/16/00/rm)

NOTE: MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample.

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TABLE 5.5

SUMMARY OF QA/QC EVALUATIONS
WASTE DISPOSAL, INC. SUPERFUND SITE

REQUIREMENTS	REMARKS
Detection Limits	Detection limits were generally achieved for the samples. In some cases, elevated methane levels increased the detection limits for some constituents such as vinyl chloride.
Accuracy	Data generally achieved the required levels of accuracy based on the results of laboratory spikes and matrix spikes.
Precision	Data generally achieved the required levels of precision as shown by the results of duplicate samples.
Completeness	Samples achieved the required 90 percent completeness requirements.
Container Type	Samples were collected using the required stainless steel Summa Canister.
Preservative	Preservatives were not used.
Analytical Holding Times	Samples were analyzed within the required 14 day holding times.

94-256/Rpts/AnSoGaMoRe (5/17/00/rm)

TABLE 5.6a

SUMMARY OF SOIL GAS ANALYTICAL DATA QUALIFIERS
WASTE DISPOSAL, INC. SUPERFUND SITE

COMPOUND	LABORATORY DATA BATCH	DATA QUALIFIER
		Sample(s) With Results Qualified as "Not Detected" ("U")
Acetone	P9900819	WDI-VW28-10-06, WDI-VW28-10-06DUP, WDI-VW28-25-06, WDI-VW42-10-06, WDI-VW42-30-06, WDI-VWFD42-30-06, WDI-VW51-08-06, WDI-VW30-07-06, WDI-VW52-30-06, WDI-VW29-10-06, WDI-VW29-23-06, WDI-VW29-23-06DUP, WDI-VW29-35-06, WDI-VWFD29-35-06, WDI-VW27-06-06, WDI-VW27-19-06 and WDI-VW27-33-06
	P9900841	WDI-VW32-08-06, WDI-VW32-08-06DUP, WDI-VW32-18-06, WDI-VW32-35-06, WDI- VW50-08-06, WDI-VW50-08-06DUP, WDI-VW50-18-06, WDI-VW50-35-06 and WDI-VW24-35-06
2-Butanone	P9900841	WDI-VW32-18-06, WDI-VW50-18-06 and WDI-VW24-35-06
Methane	P9901529	WDI-VW37-10-07, WDI-VW29-30-07, WDI-VW35-38-07, WDI-VW44-16-07, WDI-VW16-34-07 and WDI-VW10-35-07
Total Gaseous Nonmethane Organics	P99D1529	WDI-VW39-07-07, WDI-VW39-30-07, WDI-VW37-10-07, WDI-VW37-30-07, WDI-VW37-10-07, WDI-VW36-10-07, WDI-VW36-30-07, WDI-VW36-30-07DUP, WDI-VW29-10-07, WDI-VW29-23-07, WDI-VW29-30-07, WDI-VWFD29-10-07, WDI-VW28-10-07, WDI-VW28-25-07, WDI-VW42-10-07, WDI-VW42-30-07, WDI-VW45-13-07, WDI-VW35-10-08, WDI-VW35-38-07, WDI-VW44-07-07, WDI-VW44-16-07, WDI-VW44-30-07, WDI-VW44-30-07DUP, WDI-VWFD44-10-07, WDI-VW62-18-07, WDI-VW62-29-07, WDI-VW16-34-07, WDI-VW17-35-07 and WDI-VW10-35-07,
Chloromethane	P9901572	WDI-VW58-08-07
Total Gaseous Nonmethane Organics	P9901553	WDI-VW14-35-07 and WDI-VW14-35-07DUP
Carbon Tetrachloride	P9901537	WDI-VW41-07-07 and WDI-VW41-07-07DUP
	P9901559	WDI-VW01-35-07, WDI-VW01-35-07DUP, WDI-VW11-35-07, WDI-VW03-35-07, WDI-VW49-10-07, WDI-VW49-18-07, WDI-VW49-30-07, WDI-VWFD49-30-07, WDI-VWFD49-30-07DUP and WDI-VWFB8/6
Methyl Tert-butyl Ether	P9902169	WDI-VW50-08-08, WDI-VW50-18-08, WDI-VW33-10-08, WDI-VW33-38-08, WDI-VW56-28-08, WDI-VW34-10-08, WDI-VW34-23-08, WDI-VW34-40-08, WDI-VW35-10-08, WDI-VW35-10-08DUP and WDI-VW35-38-08
2-Butanone	P9902169	WDI-VW50-8-08, WDI-VW50-18-08, WDI-VW50-35-08, WDI-VW33-10-08, WDI-VW56-08-08, WDI-VW56-17-08, WDI-VW56-28-08, WDI-VW53-20-08, WDI-VW34-10-08, WDI-VW34-40-08, WDI-VW35-10-08 and WDI-VW35-10-08DUP
Toluene	P9902169	WDI-VW50-08-08, WDI-VW50-18-08, WDI-VW50-35-08, WDI-VW33-10-08, WDI-VW33-38-08, WDI-VW56-08-08, WDI-VW56-17-08, WDI-VW56-28-08, WDI-VW53-20-08, WDI-VW33-30-08, WDI-VW34-10-08, WDI-VW34-23-08, WDI-VW34-40-08, WDI-VW35-10-08, and WDI-VW35-10-08DUP

94-256/Rpts/AnSoGaMoRe (3/00) (5/2/00/ey)

U = Due to trace level presence of the following compounds in field, equipment and/or laboratory blanks, these compounds should be considered not detected.

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TABLE 5.6b

SUMMARY OF SOIL GAS ANALYTICAL DATA QUALIFIERS WASTE DISPOSAL, INC. SUPERFUND SITE

COMPOUND	LABORATORY DATA BATCH	DATA QUALIFIER
		Sample(s) With Results Qualified as "Not Detected" ("UJ")
Chloromethane	P9900259	WDI-VW03-35-05, WDI-VW01-35-05, WDI-VW40-25-06, WDI-VW54-30-05, WDI-VW43-09-05, WDI-VW43-19-05, WDI-VW43-25-05 and WDI-VWFD54-30-05
Bromomethane	P9902207	All Samples in the SDG
	P9902220	WDI-VW57-07-08, WDI-VWFD27-06-08, WDI-VWFD27-06-08DUP, WDI-VW58-08-08, WDI-VW58-19-08 and WDI-VW58-29-08
	P9902261	WDI-VW40-10-08, WDI-VW40-10-08DUP, WDI-VW46-15-08, WDI-VW46-27-08, WDI-VW63-18-08 and WDI-VW63-28-08
m/p-Xylenes	P9902787	WDI-VW51-30-08, WDI-MP-2-15-08 and WDI-MP-1-15-08
	P9902310	WDI-VWFB-11/11

94-256/Rpts/AnSoGuMoRe (3/00) (5/2/00/ey)

UJ = High percent difference (25.0% <%D ≤90.0%) coupled with decreases in instrument sensitivity were obtained between the average relative response factor of the initial calibration and the relative response factors in the associated continuing calibrations.

SDG = Sample data group.

TABLE 5.6c

SUMMARY OF SOIL GAS ANALYTICAL DATA QUALIFIERS
WASTE DISPOSAL, INC. SUPERFUND SITE

COMPOUND	LABORATORY DATA BATCH	DATA QUALIFIER
		Sample(s) With Reported Positive Results ("J^1")
Vinyl Chloride	P9900259	WDI-VW54-30-05
Carbon Disulfide	P9900276	WDI-VW46-07-05
m/p-Xylenes	P9902728	WDI-VW45-22-08, WDI-VWFD45-22-08, WDI-MP-2-05-08 and WDI-MP-1-05-08
	P9902310	WDI-VW31-10-08, WDI-VW31-10-08DUP, WDI-VW31-30-08, WDI-VWFD31-10-08 and WDI-VWFD31-30-08

94-256/Rpts/AnSoGaMoRe (3/00) (5/16/00/rm)

J^1 = High percent differences observed for these analytes in the continuing calibrations.

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TABLE 5.6d

SUMMARY OF SOIL GAS ANALYTICAL DATA QUALIFIERS
WASTE DISPOSAL, INC. SUPERFUND SITE

COMPOUND	LABORATORY DATA BATCH	DATA QUALIFIER
		Sample(s) Results Qualified as "J2"
Acetone	P9902169	WDI-VW35-38-08

94-256/Rpts/AnSoGaMoRe (3/00) (5/16/00/rm)

J2 = Results should be considered semiquantitative due to coelution in 1-Propanol and 2-Methylbutane

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW36-30-05	WDI-VWFD36-30-05	P9900210	Tetrachloroethene	3.8	3.1
WDI-VW44-30-05	WDI-VWFD44-30-05	P9900222	4-Methyl-2-Pentanone	2.5	ND
			Toluene	2.8	ND
WDI-VW52-19-05	WDI-VWFD52-19-05	P9900222	m/p-Xylene	ND	19
WDI-VW54-30-05	WDI-VWFD54-30-05	P9900259	Vinyl Chloride	6.5	3.2
			m/p-Xylene	8.9	12
			o-Xylene	3.5	4.7
WDI-VW31-10-05	WDI-VWFD31-10-05	P9900269	Acetone	12	2.7
			Methylene Chloride	ND	38
			Carbon Disulfide	3.6	ND
			2-Butanone	2.9	0.86
			Toluene	6.6	5.4
			Tetrachloroethene	3.2	8.5
			m/p-Xylene	4.2	8.8
			o-Xylene	1.4	3.3

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion
ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW56-08-05	WDI-VWFD56-08-05	P9900276	Total Gaseous Nonmethane Organics	71	48
			Acetone	ND	32
			Benzene	13	17
			Toluene	ND	42
			Ethylbenzene	ND	21
			m/p-Xylene	ND	100
			o-Xylene	ND	55
			1,2-Dichloro Benzene	ND	4.8
WDI-VW30-07-05	WDI-VWFD30-07-05	P9900299	Total Gaseous Nonmethane Organics	15	22
			Toluene	5.6	2.0
			Tetrachloroethene	2.3	1.0
			m/p-Xylene	6.0	2.1
			o-Xylene	1.8	0.79

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion

ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW17-35-06	WDI-VWFD17-35-06	P9900745	Acetone	3.6	5.7
			Toluene	0.71	1.8
			Styrene	ND	23
WDI-VW37-10-06	WDI-VWFD37-10-06	P9900762	Acetone	9.8	16
			Carbon Disulfide	16	22
			Methyl tert-Butyl Ether	ND	2.7
			2-Butanone	ND	4.7
			1,1,1-Trichloroethane	ND	14
			Toluene	ND	3.9
			Tetrachloroethene	2.5	0.73
			m/p-Xylenes	ND	2.5
WDI-VW37-10-06DUP	WDI-VWFD37-10-06	P9900762	Acetone	10	16
			Carbon Disulfide	17	2.0
			Methyl tert-Butyl Ether	ND	2.7
			2-Butanone	ND	4.7

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion
ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW37-10-06DUP (Continued)	WDI-VWFD37-10-06 (Continued)	P9900762 (Continued)	1,1,1-Trichloroethane	ND	14
			Toluene	ND	3.9
			Tetrachloroethene	2.4	0.73
			m/p-Xylene	ND	2.5
WDI-VW34-24-06	WDI-VWFD34-24-06	P9900762	Acetone	4.5	12
			Carbon Disulfide	12	ND
			Toluene	ND	3.6
WDI-VW42-30-06	WDI-VWFD42-30-06	P9900819	2-Butanone	ND	4.1
WDI-VW29-35-06	WDI-VWFD29-35-06	P9900819	Carbon Disulfide	2.7	1.3
WDI-VW61-08-06	WDI-VWFD61-08-06	P9900832	Acetone	8.5	12
			Carbon Disulfide	2.7	13
			Benzene	ND	8.0
			4-Methyl-2-Pentanone	2.1	ND
			Toluene	ND	12
			Ethylbenzene	ND	1.2
			m/p-Xylenes	ND	4.3
			o-Xylene	ND	1.9

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion
ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW61-08-06DUP	WDI-VWFD61-08-06	P9900832	Acetone	8.5	12
			Carbon Disulfide	2.2	13
			Benzene	ND	8.0
			4-Methyl-2-Pentanone	2.2	ND
			Toluene	ND	12
			Ethylbenzene	ND	1.2
			m/p-Xylenes	ND	4.3
			o-xylene	ND	1.9
WDI-VW34-10-07	WDI-VWFD34-10-07	P9901520	Carbon Disulfide	5.1	1.8
			2-Butanone	10	14
			Toluene	3.0	4.1
			m/p-Xylenes	3.7	5.9
			o-Xylene	2.5	4.0
WDI-VW29-10-07	WDI-VWFD29-10-07	P9901529	Acetone	5.6	8.6
			2-Butanone	6.2	9.1
			Toluene	6.1	11
			Tetrachloroethene	10	2.4
			Ethylbenzene	ND	2.2
			m/p-Xylenes	1.8	7.7
			o-Xylenes	0.84	3.6

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion
ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW44-07-07	WDI-VWFD44-07-07	P9901529	Acetone	23	14
			2-Butanone	7.5	5.2
			Toluene	11	7.8
			Ethylbenzene	2.8	1.3
			m/p-Xylenes	10	4.9
			o-Xylenes	6.2	3.5
WDI-VW12-34-07	WDI-VWFD12-34-07	P9901537	Acetone	4.1	7.8
WDI-VW47-18-07	WDI-VWFD47-18-07	P9901553	Total Gaseous Nonmethane Organics	9.2	13
WDI-VW47-18-07DUP	WDI-VWFD47-18-07	P9901553	Total Gaseous Nonmethane Organics	9.5	13
WDI-VW30-07-07	WDI-VWFD30-07-07	P9901587	Acetone	11	4.8
			2-Butanone	2.8	ND
			Trichloroethene	2.7	ND
			Tetrachloroethene	8.2	3.5
			m/p-Xylenes	4.2	6.2

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion

ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW50-35-07	WDI-VWFD50-35-07	P9901588	Total Gaseous Nonmethane Organics	7.5	11
			Acetone	2.9	10
			Carbon Disulfide	2.6	ND
WDI-VW50-35-07DUP	WDI-VWFDSD-35-07	P9901588	Acetone	3.0	10
			Carbon Disulfide	2.6	ND
WDI-VW31-30-07	WDI-VWFD31-30-07	P9901588	Carbon Disulfide	10	ND
WDI-VW31-30-07	WDI-VWFD31-30-07DUP	P9901588	Carbon Disulfide	10	ND
WDI-VW62-08-08	WDI-VWFD62-08-08	P9902196	Methyl Tert-Butyl Ether	2.9	9.3
			2-Butanone	17	44
			Toluene	4.6	9.8
			Ethylbenzene	1.5	2.5
			m/p-Xylenes	5.0	9.2
			o-Xylenes	2.9	4.6
WDI-VW27-06-08	WDI-VWFD27-06-08	P9902220	Acetone	10	14
			Carbon Disulfide	ND	5.1
			Methyl Tert-Butyl Ether	7.9	5.6
			2-Butanone	33	43

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion

ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW59-17-08	WDI-VWFD59-17-08	P9902207	Acetone	4.1	8.4
			Methyl Tert-Butyl Ether	33	6.9
			2-Butanone	19	26
WDI-VW32-18-08	WDI-VWFD32-18-08	P9902275	Carbon Disulfide	6.5	10
			Methyl Tert-Butyl Ether	2.1	34
			2-Butanone	5.2	11
			Toluene	11	8.1
			m/p-Xylenes	6.6	4.9
WDI-VW45-22-08	WDI-VWFD45-22-08	P9902287	trans-1,2Dichloroethene	480	630
			Benzene	3,600	4,800
			Toluene	2,200	2,900
			Ethylbenzene	3,600	4,800
			m/p-Xylenes	8,200	11,000
			o-Xylenes	5,100	6,800
WDI-VW30-07-08	WDI-VWFD30-07-08	P9902287	Acetone	8.5	11
			2-Butanone	3.1	68
			Toluene	6.7	51
			m/p-Xylenes	3.8	2.9

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion
ND = Nondetect

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TABLE 5.7

SUMMARY OF FIELD DUPLICATE QA/QC EVALUATION(1)
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

SAMPLE I.D.	FIELD DUPLICATE I.D.	LABORATORY DATA BATCH I.D.	COMPOUND	SAMPLE RESULT (ppb)	FIELD DUPLICATE RESULT (ppb)
WDI-VW31-10-08	WDI-VWFD31-10-08	P9902310	Acetone	5.5	13
			Vinyl Acetate	ND	3.4
			2-Butanone	25	5.4
			m/p-Xylenes	45	7.7
			Styrene	ND	21
			o-Xylenes	0.82	1.9
			Total Gaseous Nonmethane Organics	6.0	4.6
WDI-VW31-10-08DUP	WDI-VWFD31-10-08	P9902310	Acetone	5.1	13
			Vinyl Acetate	ND	3.4
			2-Butanone	2.3	5.4
			Toluene	7.2	11
			m/p-Xylenes	4.5	7.7
			Styrene	ND	21
			o-Xylenes	0.85	1.9
WDI-VW31-30-08	WDI-VWFD31-30-08	P9902310	Acetone	34	11
			Carbon Disulfide	44	ND
			Toluene	4.6	3.4
			m/p-Xylenes	3.9	2.7
			Total Gaseous Nonmethane Organics	20	9.1
WDI-VW31-30-08	WDI-VWFD31-30-08DUP	P9902310	Total Gaseous Nonmethane Organics	20	9.1

94-256/Rpts/AnSoGaMoRe(3/00) (5/16/00/rm)

(1) Samples with reported positive results and considered estimated due to large discrepancies between sample and its field duplicate. Flagged J[1] in Tables 4.1 through 4.4.

ppb = parts per billion
ND = Nondetect

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TABLE 6.1
CRITICAL WELLS IN AREA 1 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	WELL INDENTIFICATION	DATE OF SAMPLE	CONSTITUENT
1	VW10-35	1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
	VW11-35	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
	VW18-36	1st Qtr 98	Benzene
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		3rd Qtr 99	
	VW35-38	1st Qtr 98	Trichloroethene
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW40-10	2nd Qtr 98	Methane
		3rd Qtr 98	
	VW44-30	1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
	VW46-07	3rd Qtr 98	Methane
		4th Qtr 98	
		3rd Qtr 99	
		4th Qtr 99	
	VW62-08	4th Qtr 98	Methane
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW62-18	4th Qtr 98	Vinyl Chloride
	VW62-29	4th Qtr 98	Vinyl Chloride

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TABLE 6.2
CRITICAL WELLS IN AREA 2 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	WELL INDENTIFICATION	DATE OF SAMPLE	CONSTITUENT
2	VW02-35	1st Qtr 98	Methane
	VW03-35	1st Qtr 98	Methane
		2nd Qtr 98	
	VW04-23	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		1st Qtr 98	Benzene
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		2nd Qtr 98	Vinyl Chloride
		4th Qtr 98	
		3rd Qtr 99	
	VW43-19	2nd Qtr 98	Methane
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	

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TABLE 6.2
CRITICAL WELLS IN AREA 2 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	WELL INDENTIFICATION	DATE OF SAMPLE	CONSTITUENT
2	VW43-32	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		2nd Qtr 99	
		3rd Qtr 99	
		1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
	VW45-12	3rd Qtr 98	Methane
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		4th Qtr 98	Benzene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		4th Qtr 98	cis-1,2-Dichloroethene
		4th Qtr 98	m- & p-Xylenes
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	

TABLE 6.2
CRITICAL WELLS IN AREA 2 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	WELL INDENTIFICATION	DATE OF SAMPLE	CONSTITUENT
2	VW45-12	2nd Qtr 98	Toluene
		4th Qtr 99	
		4th Qtr 98	trans-1,2-Dichloroethene
		2nd Qtr 99	
		3rd Qtr 98	Vinyl Chloride
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW45-22	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		1st Qtr 98	Benzene
		2nd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		2nd Qtr 98	cis-1,2-Dichloroethene
		1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	

TABLE 6.2
CRITICAL WELLS IN AREA 2 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	WELL INDENTIFICATION	DATE OF SAMPLE	CONSTITUENT
2	VW45-30	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		1st Qtr 98	Benzene
		4th Qtr 98	Vinyl Chloride
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW48-08	1st Qtr 98	Methane
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		3rd Qtr 99	
		1st Qtr 98	Benzene
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		1st Qtr 98	Vinyl Chloride
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
	VW48-17	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		3rd Qtr 99	

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TABLE 6.2
CRITICAL WELLS IN AREA 2 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	WELL INDENTIFICATION	DATE OF SAMPLE	CONSTITUENT
2	VW48-17	1st Qtr 98	Benzene
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
	VW48-35	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	

TABLE 6.3

CTITICAL WELLS IN AREAS 4, 5 AND 7 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	CRITICAL WELL[1]	DATE OF SAMPLE	CONSTITUENT
4	VW06-34	1st Qtr 98	Methane
		1st Qtr 98	Vinyl Chloride
5	VW30-35	2nd Qtr 98	Methane
	VW51-18	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		2nd Qtr 98	Benzene
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW51-30	1st Qtr 98	Methane
		2nd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		1st Qtr 98	Benzene
		3rd Qtr 98	PCE
		1st Qtr 99	
		1st Qtr 99	Trichloroethene
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		4th Qtr 99	

(1) A critical well is defined as a well with ITSL exceedances during the past 2 years.

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TABLE 6.3

CTITICAL WELLS IN AREAS 4, 5 AND 7 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	CRITICAL WELL[1]	DATE OF SAMPLE	CONSTITUENT
5	MP01-15	2nd Qtr 98	Methane
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		2nd Qtr 98	Benzene
		3rd Qtr 98	
	MP02-15	2nd Qtr 98	Methane
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
		2nd Qtr 98	Benzene
		3rd Qtr 98	
		4th Qtr 98	
7	VW25-35	1st Qtr 98	Methane
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	

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(1) A critical well is defined as a well with ITSL exceedances during the past 2 years.

TABLE 6.4

CTITICAL WELLS IN AREA 8 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	CRITICAL WELL(1)	DATE OF SAMPLE	CONSTITUENT
8	VW13-31	1st Qtr 98	Methane
		2nd Qtr 98	
		4th Qtr 98	
		2nd Qtr 99	
		1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
	VW14-35	4th Qtr 98	1,2-Dichloropropene
		1st Qtr 99	
		1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		2nd Qtr 99	
		3rd Qtr 99	
	VW21-36	1st Qtr 98	Trichloroethene
	VW22-35	1st Qtr 98	Trichloroethene
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW23-36	1st Qtr 98	Trichloroethene
		2nd Qtr 98	
		3rd Qtr 98	
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	

(1) A critical well is defined as a well with ITSL exceedances during the past 2 years.

TABLE 6.4

CTITICAL WELLS IN AREA 8 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	CRITICAL WELL(1)	DATE OF SAMPLE	CONSTITUENT
8	VW23-36	1st Qtr 98	Vinyl Chloride
		2nd Qtr 98	
		3rd Qtr 98	
		2nd Qtr 99	
		3rd Qtr 99	
	VW33-35	1st Qtr 98	Trichloroethene
	VW49-18	1st Qtr 98	Tetrachloroethene
		4th Qtr 98	
		2nd Qtr 99	
		4th Qtr 99	
	VW49-30	1st Qtr 98	Tetrachloroethene
		2nd Qtr 98	
		2nd Qtr 99	
	VW52-19	1st Qtr 99	1,2-Dichloropropene
	VW52-30	4th Qtr 98	1,2-Dichloropropene
		1st Qtr 99	
		2nd Qtr 99	
	VW53-10	3rd Qtr 99	Methane
		3rd Qtr 98	Vinyl Chloride
		3rd Qtr 99	
	VW53-20	3rd Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW53-30	3rd Qtr 98	Trichloroethene
		4th Qtr 98	
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	

(1) A critical well is defined as a well with ITSL exceedances during the past 2 years.

TABLE 6.4
CTITICAL WELLS IN AREA 8 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	CRITICAL WELL(1)	DATE OF SAMPLE	CONSTITUENT
8	VW55-05	4th Qtr 98	Methane
		1st Qtr 99	
		2nd Qtr 99	
	VW55-18	1st Qtr 99	Methane
		4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 98	Vinyl Chloride
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW55-29	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		3rd Qtr 99	
		4th Qtr 98	Vinyl Chloride
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW56-08	4th Qtr 98	Vinyl Chloride
		3rd Qtr 99	
		4th Qtr 99	
	VW56-17	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW56-28	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	

(1) A critical well is defined as a well with ITSL exceedances during the past 2 years.

TABLE 6.4

CTITICAL WELLS IN AREA 8 WHICH EXCEED INTERIM THRESHOLD LIMITS VAPOR WELL MONITORING WASTE DISPOSAL, INC. SUPERFUND SITE

AREA	CRITICAL WELL(1)	DATE OF SAMPLE	CONSTITUENT
8	VW57-18	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
	VW57-27	4th Qtr 98	Trichoroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW58-08	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW58-19	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW58-29	4th Qtr 98	Trichloroethene
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	
	VW61-19	4th Qtr 98	Vinyl Chloride
		1st Qtr 99	
		2nd Qtr 99	
		3rd Qtr 99	
		4th Qtr 99	

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(1) A critical well is defined as a well with ITSL exceedances during the past 2 years.

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TABLE 6.5

VAPOR WELL MONITORING AND SAMPLING FREQUENCY
WASTE DISPOSAL, INC. SUPERFUND SITE

LOCATION	WELL IDENTIFICATION	TYPE	MONITORING AND SAMPLING PLAN			COMMENTS
			Quarterly Field Monitoring	Quarterly Field Monitoring and Semiannual Sampling and Analysis	Quarterly Sampling and Analysis	
Area 1	VW-10	Interior(1)			X	Quarterly monitoring required.
	VW-11(2)	Interior(1)			X	VW-44, -45, -61 and -62 provide adequate coverage.
	VW-16	Interior(1)	X			VW-35 and -36 provide adequate perimeter coverage. VW-44, -52 and -60 will provide early soil gas indications. Historical laboratory data indicates no ITSL exceedances.
	VW-17	Interior(1)	X			VW-35 and -36 provide adequate perimeter coverage. VW-44, -52 and -60 will provide early soil gas indications. Historical laboratory data indicates no ITSL exceedances.
	VW-18(2)	Interior(1)		X		VW-18 has shown benzene exceedances and therefore will be monitored semiannually.
	VW-35	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-36	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-37	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-38	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-39	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-40	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-44	Interior(1)			X	Interior well adjacent to building - quarterly monitoring required.
	VW-46	Interior(1)			X	Quarterly monitoring required.
	VW-62	Interior(1)			X	Interior well adjacent to building - quarterly monitoring required.

(1) Within 100 feet of onsite structure.
(2) Although this well meets criteria for a modification, it is being retained for Quarterly Sampling and Analysis due to other Agency considerations.
(3) Well is not included as part of quarterly monitoring activities.

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TABLE 6.5

VAPOR WELL MONITORING AND SAMPLING FREQUENCY
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

LOCATION	WELL IDENTIFICATION	TYPE	MONITORING AND SAMPLING PLAN			COMMENTS
			Quarterly Field Monitoring	Quarterly Field Monitoring and Semiannual Sampling and Analysis	Quarterly Sampling and Analysis	
Area 1 (Cont'd)	VW-63	Interior(1)			X	Interior well is adjacent to building - quarterly monitoring required. Increased monitoring reduces VW-46 monitoring.
Area 2	VW-01	Interior	X			VW-40 and -41 provide adequate coverage in the northwest corner of site. No ITSL exceedances have been observed.
	VW-02	Interior	X			VW-41 and -42 provide adequate coverage in the northeast area of site. Well is screened through sump-like material. No ITSL exceedances have been observed.
	VW-03	Interior	X			VW-40, -46 and -63 provide adequate coverage. VW-03 is screened through sump-like material. No ITSL exceedances since 2/98.
	VW-04	Interior	X			Well is located within the reservoir boundary. Field monitoring would provide sufficient data based on history of ITSL exceedances.
	VW-05	Interior	X			Well is located within the reservoir boundary. Field monitoring would provide sufficient data. No ITSL exceedances have been observed.
	VW-08	Interior	X			Well is located within the reservoir boundary. Field monitoring would provide sufficient data. No ITSL exceedances have been observed.
	VW-09	Interior	(3)	(3)	(3)	Well is located within reservoir boundary and contains liquids within the entire screened interval.
	VW-41	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-42	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.

(1) Within 100 feet of onsite structure.
(2) Although this well meets criteria for a modification, it is being retained for Quarterly Sampling and Analysis due to other Agency considerations.
(3) Well is not included as part of the quarterly monitoring activities.

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TABLE 6.5

VAPOR WELL MONITORING AND SAMPLING FREQUENCY
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

LOCATION	WELL IDENTIFICATION	TYPE	MONITORING AND SAMPLING PLAN			COMMENTS
			Quarterly Field Monitoring	Quarterly Field Monitoring and Semiannual Sampling and Analysis	Quarterly Sampling and Analysis	
Area 2 (Cont'd)	VW-43	Interior		X		VW-43 is located between the reservoir and Brothers. Semiannual sampling is adequate to provide early indication of potential soil gas migration to Area 5.
	VW-45	Interior(1)			X	Well is adjacent to building - quarterly monitoring required.
	VW-47	Interior	X			VW-49, -52, -57 and -58 provide adequate coverage of the northern edge of Area 8. No ITSL exceedances have been observed.
	VW-48	Interior		X		Well is located within the sump material outside the reservoir. Semiannual monitoring would provide adequate data since VW-63 will be monitored quarterly.
Area 3	VW-28	Perimeter			X	Perimeter well - quarterly monitoring required.
Area 4	VW-06	Interior	X			Well is located adjacent to sump material. VW-28, -29 and -42 provide adequate coverage of Areas 3 and 4. No ITSL exceedances have been observed since 2/98.
	VW-29	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
Area 5	VW-30	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-51	Interior(1)			X	Adjacent to building - quarterly monitoring required.
	MP-1	Interior(1)			X	Adjacent to building - quarterly monitoring required.
	MP-2	Interior(1)			X	Adjacent to building - quarterly monitoring required.

(1) Within 100 feet of onsite structure.
(2) Although this well meets criteria for a modification, it is being retained for Quarterly Sampling and Analysis due to other Agency considerations.
(3) Well is not included as part of the quarterly monitoring activities.

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TABLE 6.5

VAPOR WELL MONITORING AND SAMPLING FREQUENCY
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

LOCATION	WELL IDENTIFICATION	TYPE	MONITORING AND SAMPLING PLAN			COMMENTS
			Quarterly Field Monitoring	Quarterly Field Monitoring and Semiannual Sampling and Analysis	Quarterly Sampling and Analysis	
Area 6	VW-12	Interior	X			VW-26, -27, -30 and -31 provide adequate coverage. Field monitoring coverage will provide adequate data. No ITSL exceedances have been observed.
	VW-31	Perimeter			X	Perimeter well - quarterly monitoring required.
Area 7	VW-25	Interior		X		VW-25 is screened through a waste zone. Semiannual sampling will provide adequate data.
	VW-26	Interior	X			VW-31 and -50 provide adequate perimeter monitoring. Field monitoring will provide sufficient data. No ITSL exceedances have been observed.
	VW-32	Perimeter			X	Perimeter well - quarterly monitoring required.
	VW-50	Perimeter			X	Perimeter well - quarterly monitoring required.
Area 8	VW-13	Interior(1)		X		VW-54, -55, -57 provide adequate coverage of the area. VW-13 is screened through the sump-like material. Semiannual sampling will provide sufficient data.
	VW-14	Interior		X		VW-47, -49, -52, -60 and -61 provide adequate coverage of the area. VW-14 is screened through the sump-like material. Semiannual sampling will provide sufficient data.
	VW-20	Interior(1)	X			VW-49, -52, -59 and –60 provide adequate coverage of the area. No ITSL exceedances have been observed.
	VW-21	Interior(1)	X			VW-53, -57, -58 and -59 provide adequate coverage of the area. Field monitoring will provide sufficient data. No ITSL exceedances have been observed.

(1) Within 100 feet of onsite structure.
(2) Although this well meets criteria for a modification, it is being retained for Quarterly Sampling and Analysis due to other Agency considerations.
(3) Well is not included as part of the quarterly monitoring activities.

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TABLE 6.5

VAPOR WELL MONITORING AND SAMPLING FREQUENCY
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

LOCATION	WELL IDENTIFICATION	TYPE	MONITORING AND SAMPLING PLAN			COMMENTS
			Quarterly Field Monitoring	Quarterly Field Monitoring and Semiannual Sampling and Analysis	Quarterly Sampling and Analysis	
Area 8 (Cont'd)	VW-22(2)	Interior(1)		X		VW-53, -56, -57, -58 and -59 provide adequate coverage of the area. Field monitoring will provide adequate data.
	VW-23	Interior(1)	X			VW-53, -55, -56 and -57 provide adequate coverage of the area. Field monitoring will provide adequate data. No ITSL exceedances have been observed.
	VW-24	Interior(1)	X			VW-27 and -32 provide adequate coverage of the east portion of Area 8. Field monitoring will provide sufficient data. No ITSL exceedances have been observed.
	VW-27	Interior(1)			X	Provides coverage of the northeast corner of Area 8 located adjacent to building - quarterly monitoring required.
	VW-33	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-34	Perimeter		X		Perimeter well - quarterly field monitoring and semiannual sampling and analysis required.
	VW-49	Interior(1)			X	Interior well adjacent to building - quarterly monitoring required.
	VW-52	Interior			X	Interior well adjacent to building – quarterly monitoring required.
	VW-53	Interior(1)			X	Quarterly monitoring required.
	VW-54	Interior(1)			X	Interior well adjacent to building - quarterly monitoring required.
	VW-55	Interior(1)			X	Interior well adjacent to building - quarterly monitoring required.
	VW-56(2)	Interior(1)		X		VW-53, -55 and -57 are located between VW-56 and the sump-like material. Semiannual monitoring will provide sufficient data.

(1) Within 100 feet of onsite structure.
(2) Although this well meets criteria for a modification, it is being retained for Quarterly Sampling and Analysis due to other Agency considerations.
(3) Well is not included as part of the quarterly monitoring activities.

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TABLE 6.5

VAPOR WELL MONITORING AND SAMPLING FREQUENCY
WASTE DISPOSAL, INC. SUPERFUND SITE
(Continued)

LOCATION	WELL IDENTIFICATION	TYPE	MONITORING AND SAMPLING PLAN			COMMENTS
			Quarterly Field Monitoring	Quarterly Field Monitoring and Semiannual Sampling and Analysis	Quarterly Sampling and Analysis	
Area 8 (Cont'd)	VW-57	Interior(1)			X	Located adjacent to sump-like material and building - quarterly monitoring required. No ITSL exceedances have been observed.
	VW-58	Interior(1)			X	Located adjacent to sump-like material and building - quarterly monitoring required. No ITSL exceedances have been observed.
	VW-59	Interior(1)			X	Located adjacent to sump-like material and building - quarterly monitoring required. No ITSL exceedances have been observed.
	VW-60	Interior(1)			X	Located adjacent to sump-like material and building - quarterly monitoring required. No ITSL exceedances have been observed.
	VW-61	Interior(1)			X	Located adjacent to sump-like material and building - quarterly monitoring required. No ITSL exceedances have been observed.

94-256/Rpts/AnSoGaMo (Rev 1.0) (5/1/01/rm)

(1) Within 100 feet of onsite structure.
(2) Although this well meets criteria for a modification, it is being retained for Quarterly Sampling and Analysis due to other Agency considerations.
(3) Well is not included as part of the quarterly monitoring activities.

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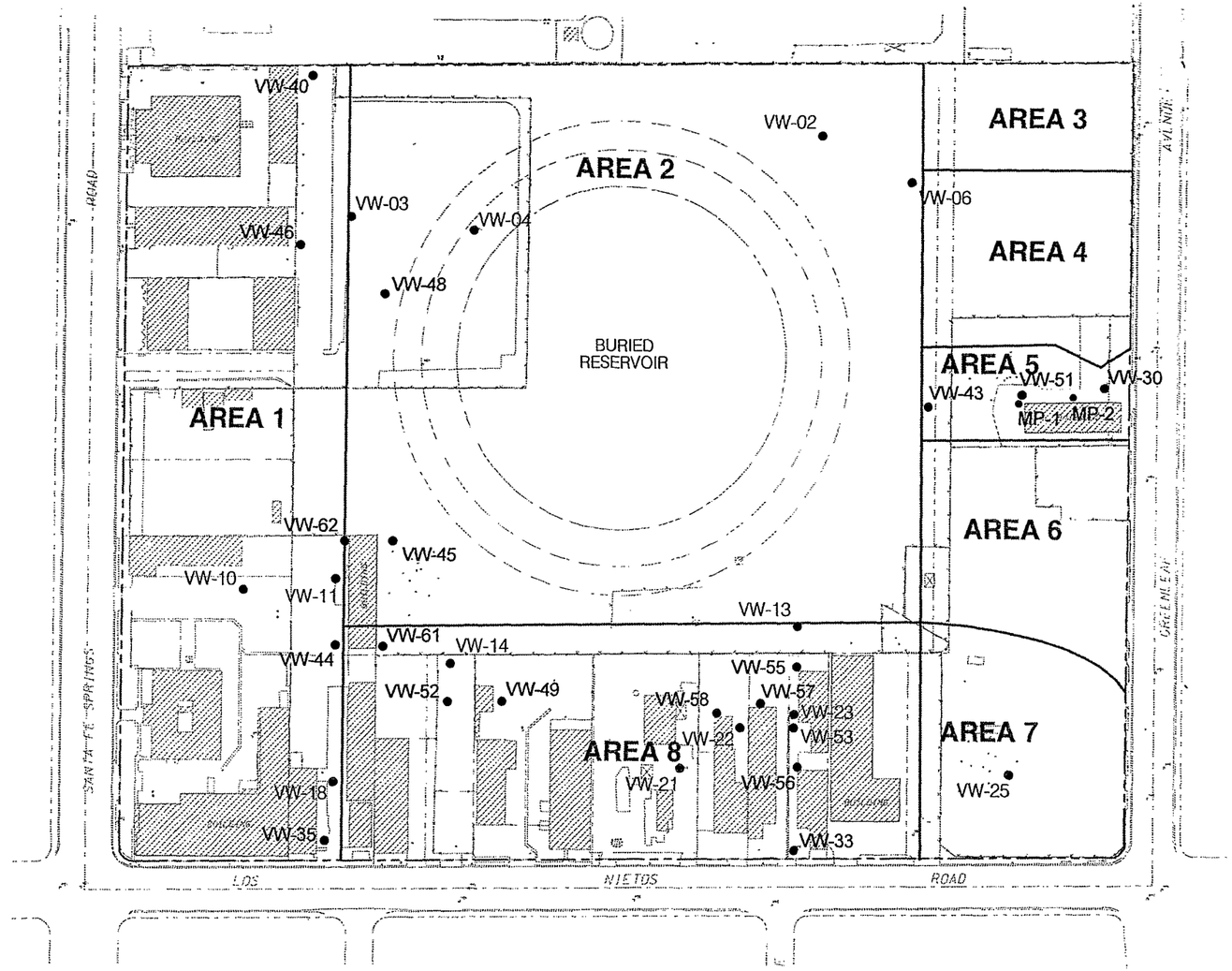
FIGURES

nd made from recycled paper.

94-256ASGMR99-01 REV. 04/30/01



LEGEND

- SITE BOUNDARY
- AREA BOUNDARY
- MP-1 ● MONITORING PROBE
- VW-16 ● VAPOR WELLS
- (1) A CRITICAL WELL IS DEFINED AS A WELL WITH ITSL EXCEEDANCES DURING THE PAST 2 YEARS.
- (2) COMPLETE VAPOR WELL NETWORK IS SHOWN IN FIGURE 2.3.

0 200 400 FEET
SCALE

REFERENCE: NUNEZ ENGINEERING, SURVEY DRAWING NE 97187, OCT. 31, 1997.

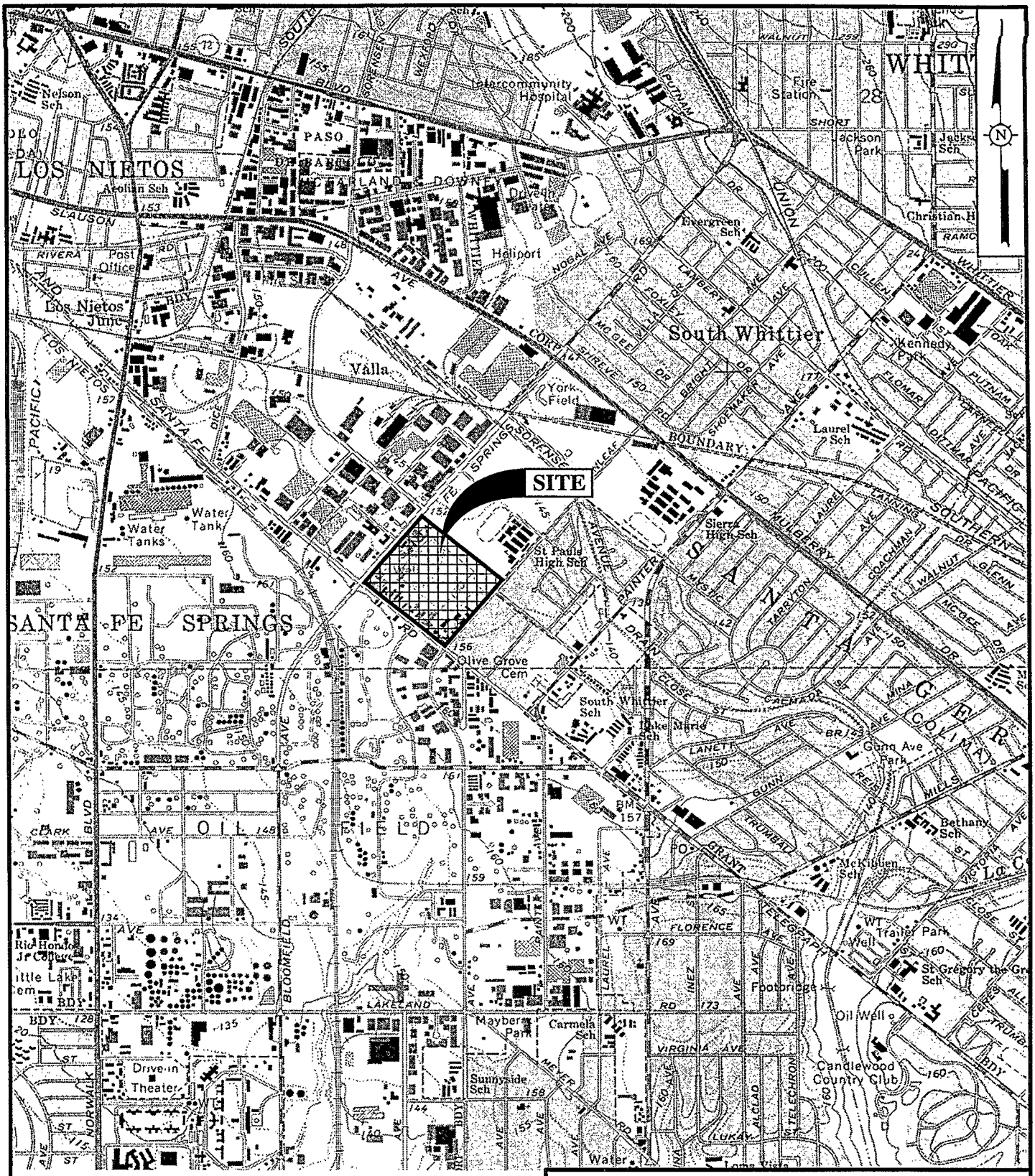
1999 CRITICAL VAPOR WELLS[1][2] SHOWING ITSL EXCEEDANCES

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 1.1

94-256SGAR99-13 REV. 14/27/00



0 2,000 4,000 FEET

SCALE

REFERENCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP OF WHITTIER, CALIFORNIA, DATED 1981.

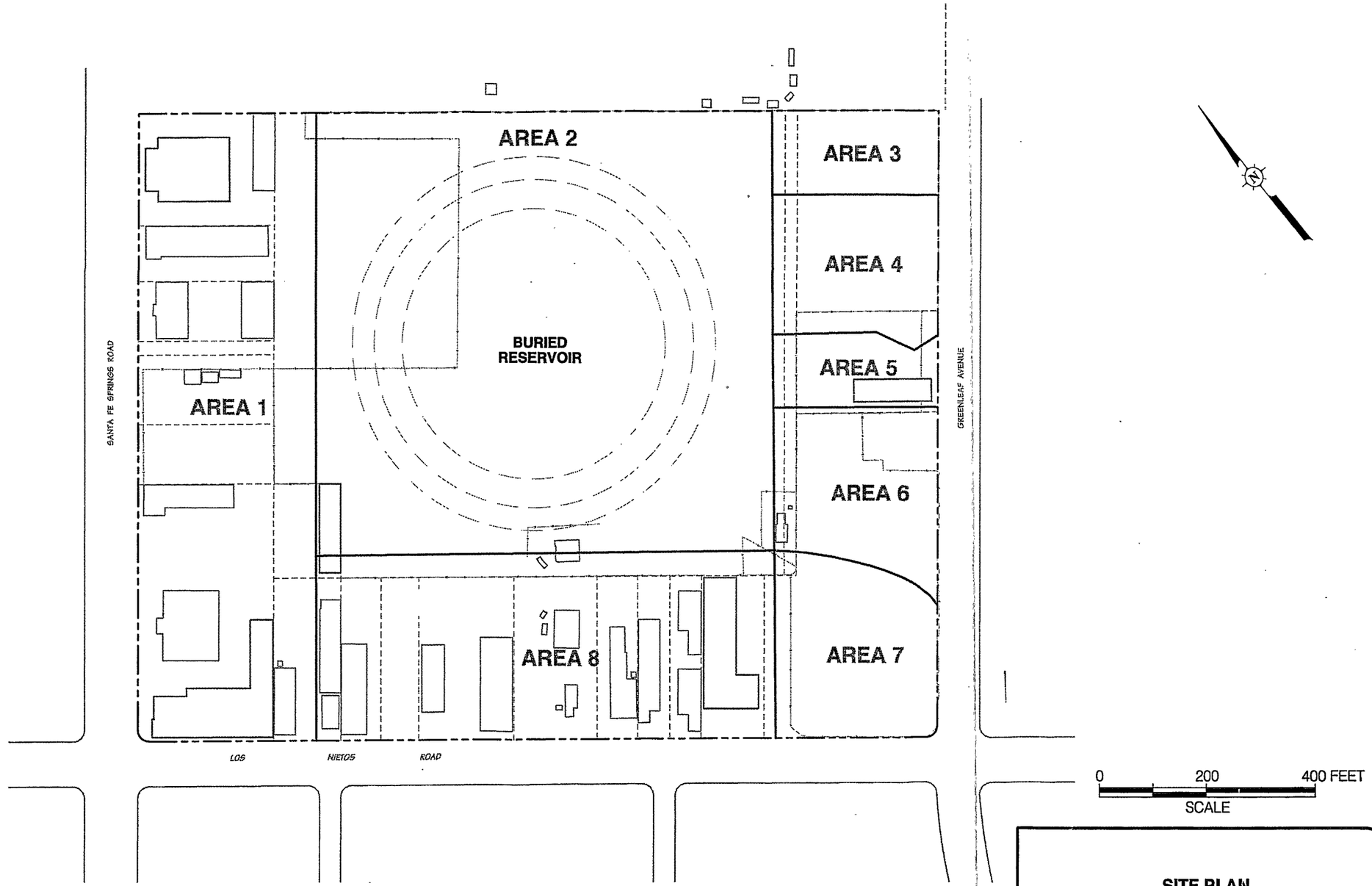
SITE LOCATION MAP

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2.1

94-256SGAR99-11 REV. 04/26/00



REFERENCE: NUNEZ ENGINEERING, SURVEY DRAWING NE 97187, OCT. 31, 1997.

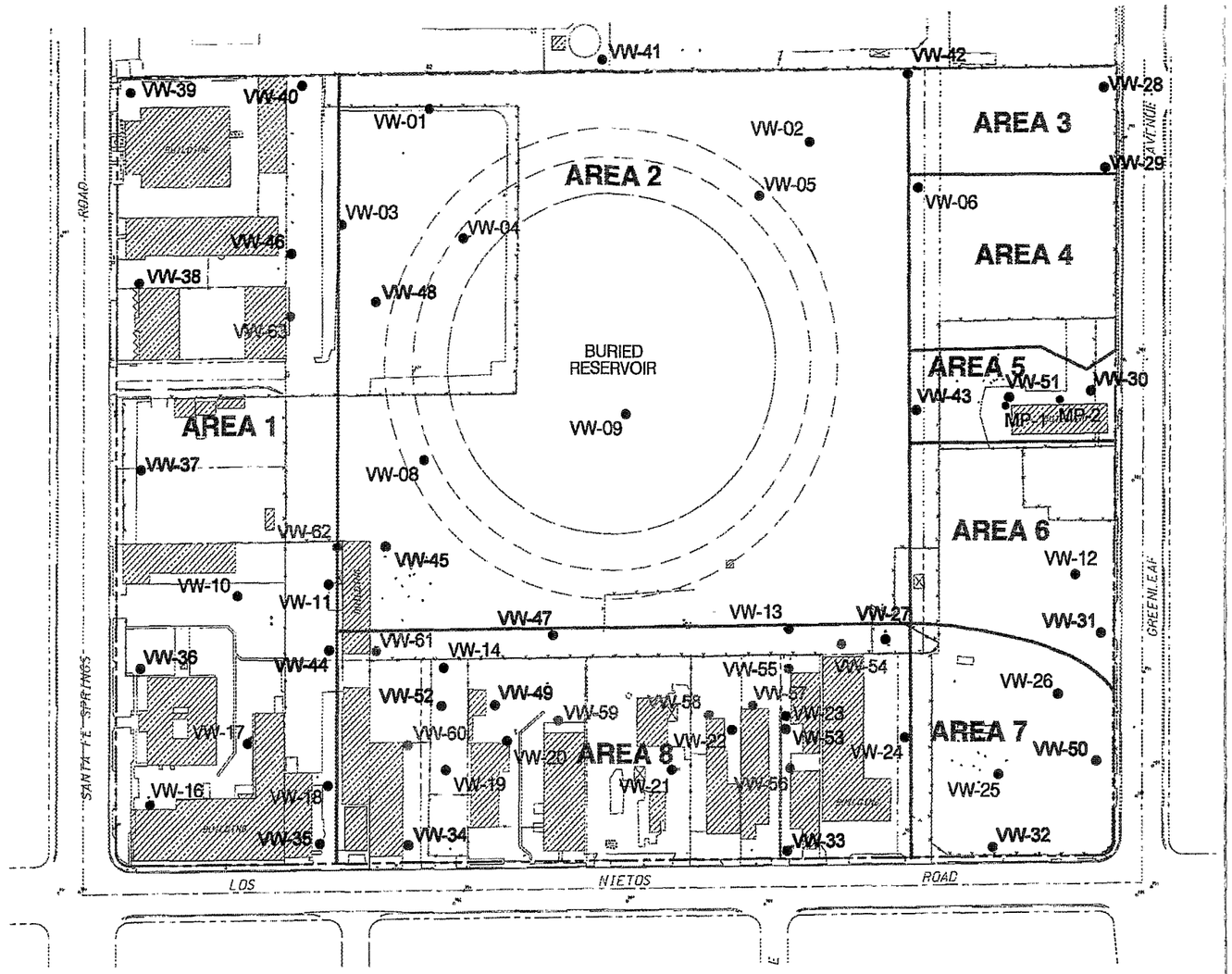
SITE PLAN

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2.2

94-255SGAR99-12 REV. 04/26/00



LEGEND

———	SITE BOUNDARY
———	AREA BOUNDARY
MP-1 ●	MONITORING PROBE
VW-16 ●	RI/FS VAPOR WELLS
VW-36 ●	WDIG VAPOR WELL
VW-61 ●	EPA VAPOR WELL
–	NOT TESTED
(1)	ELEVATED DETECTION LIMIT
(2)	CHECK

0 200 400 FEET
SCALE

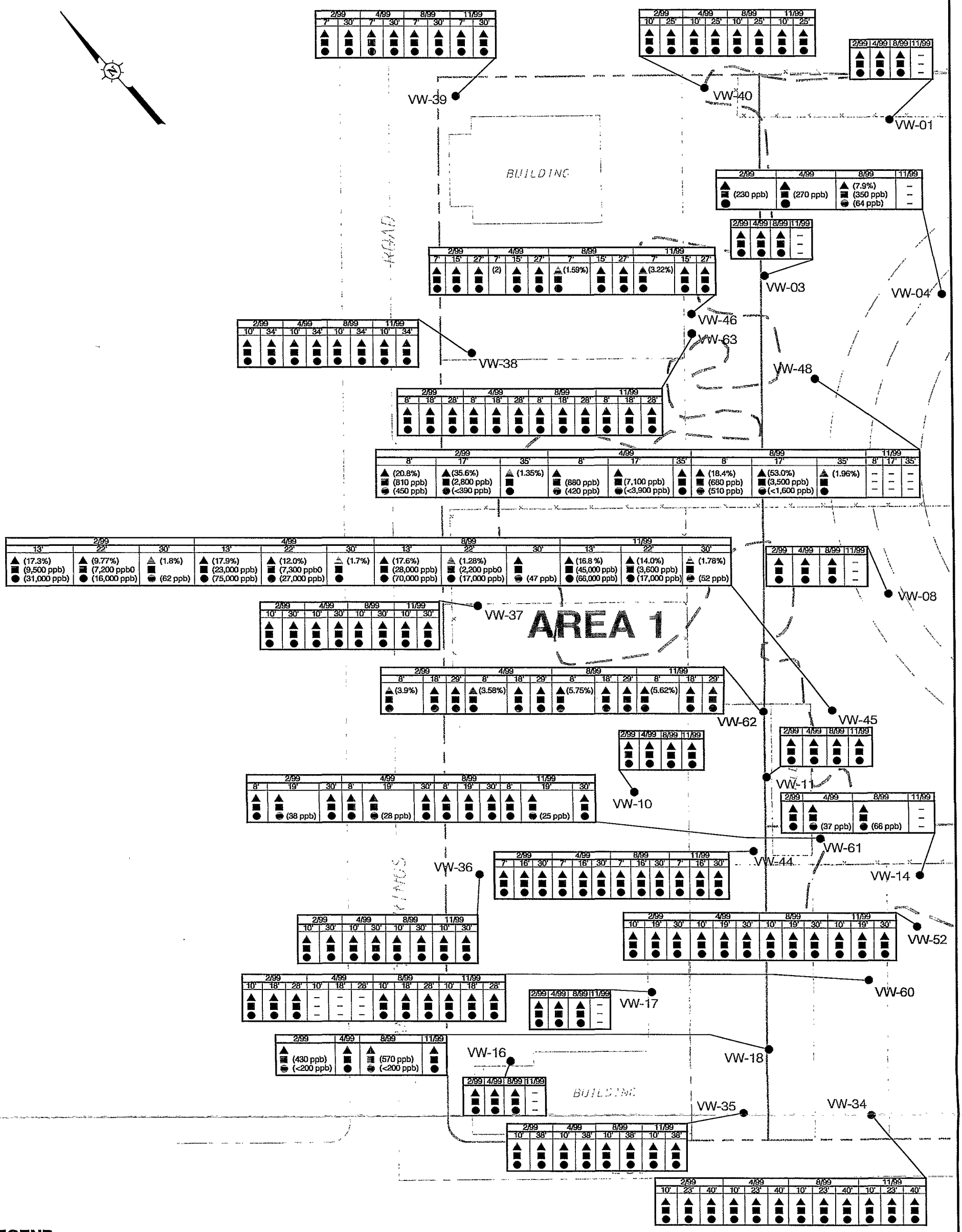
REFERENCE: NUNEZ ENGINEERING, SURVEY DRAWING NE 97187, OCT. 31, 1997.

EXISTING VAPOR WELL NETWORK

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 2.3



LEGEND

SITE BOUNDARY	METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
RI/FS VAPOR WELLS				
VAPOR WELLS INSTALLED BY OTHERS				
NOT TESTED				

0 100 200 FEET
SCALE

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

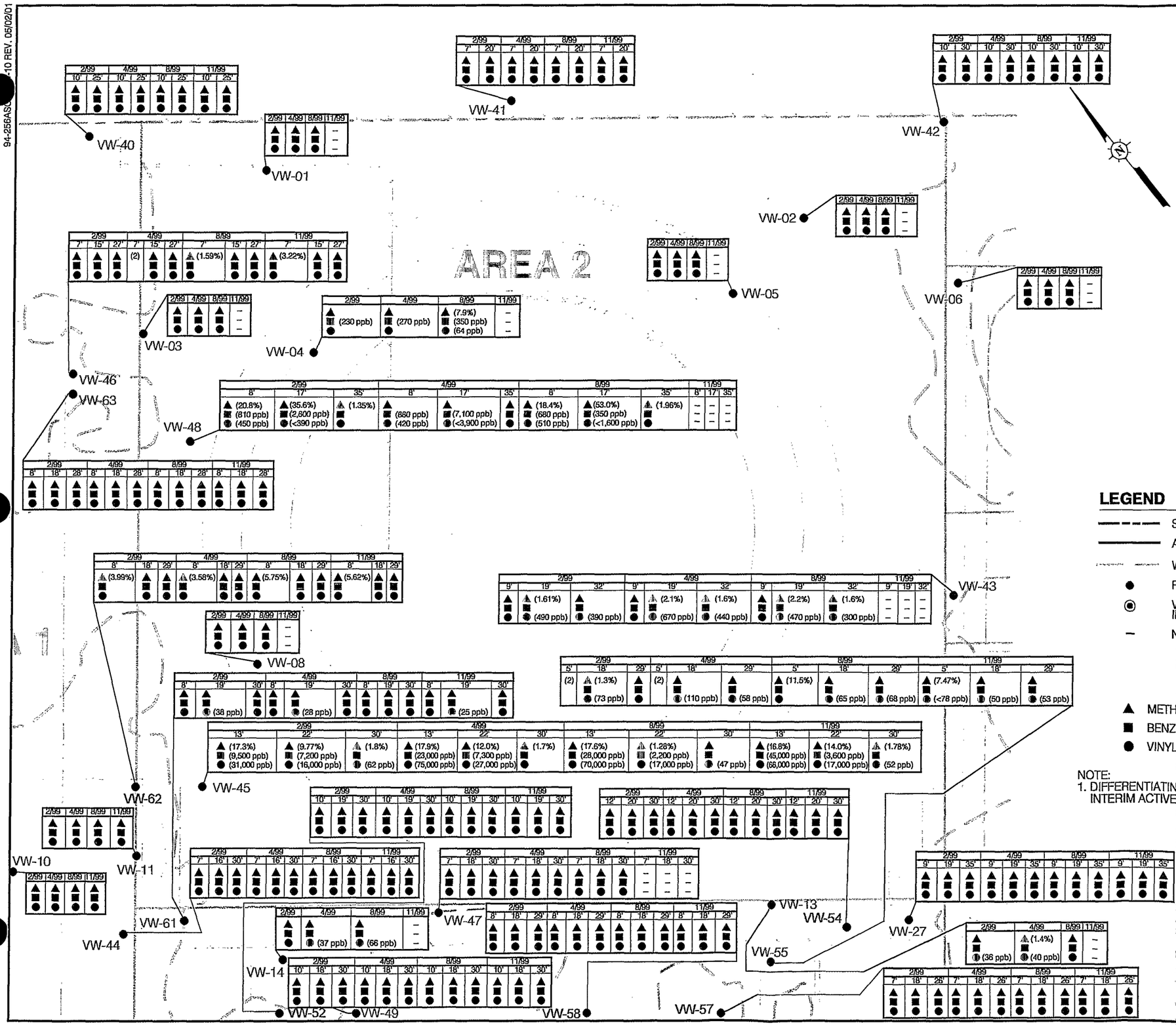
SUMMARY OF 1999 VAPOR WELL MONITORING RESULTS AREA 1

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4.1

94-256ASC-10 REV. 05/02/01



LEGEND

- SITE BOUNDARY
- AREA BOUNDARY
- WASTE MATERIAL DELINEATION
- ● RI/FS VAPOR WELLS
- ◉ VAPOR WELLS INSTALLED BY OTHERS
- – NOT TESTED

▲ METHANE	<1.25%	>1.25% to 5%	>5%
■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

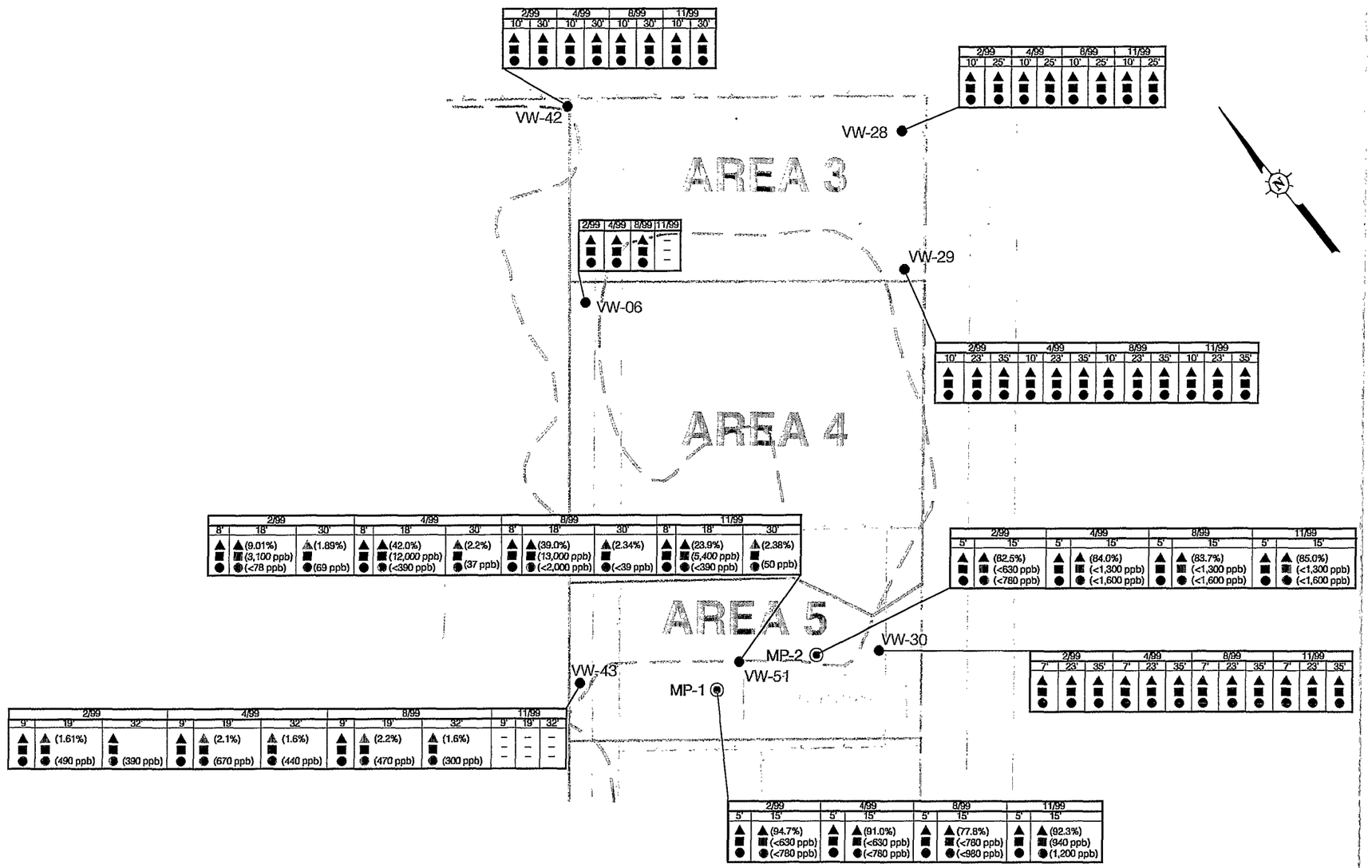
SUMMARY OF 1999 VAPOR WELL MONITORING RESULTS AREA 2

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4.2

94-256ASG 11 REV. 05/02/01



LEGEND

SITE BOUNDARY	▲ METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
● RI/FS VAPOR WELLS				
◉ VAPOR WELLS INSTALLED BY OTHERS				
– NOT TESTED				

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

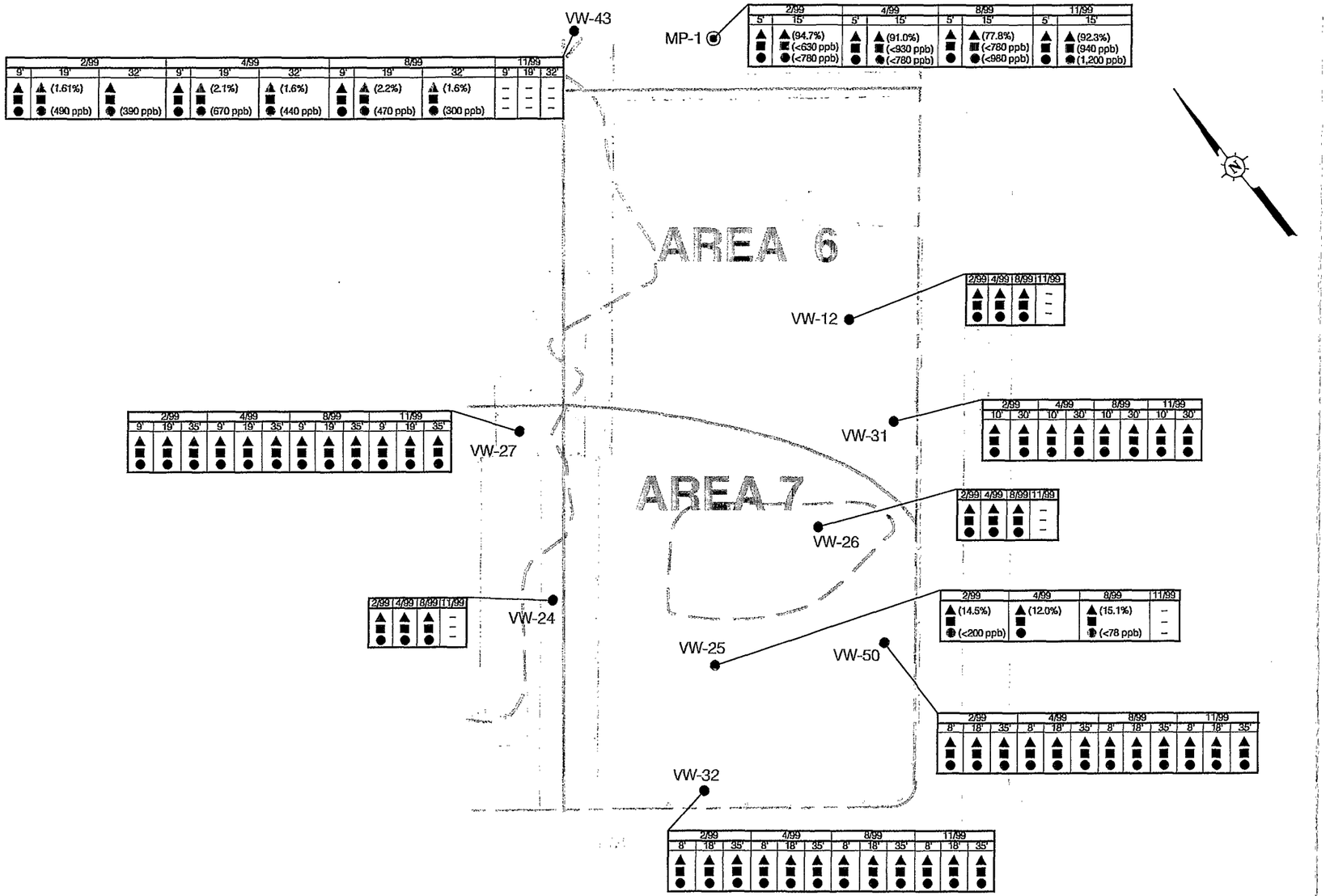
SUMMARY OF 1999
VAPOR WELL MONITORING RESULTS
AREAS 3, 4 AND 5

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4.3

94-256AS -12 REV. 05/02/01



LEGEND

SITE BOUNDARY	METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
RI/FS VAPOR WELLS				
VAPOR WELLS INSTALLED BY OTHERS				
NOT TESTED				

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

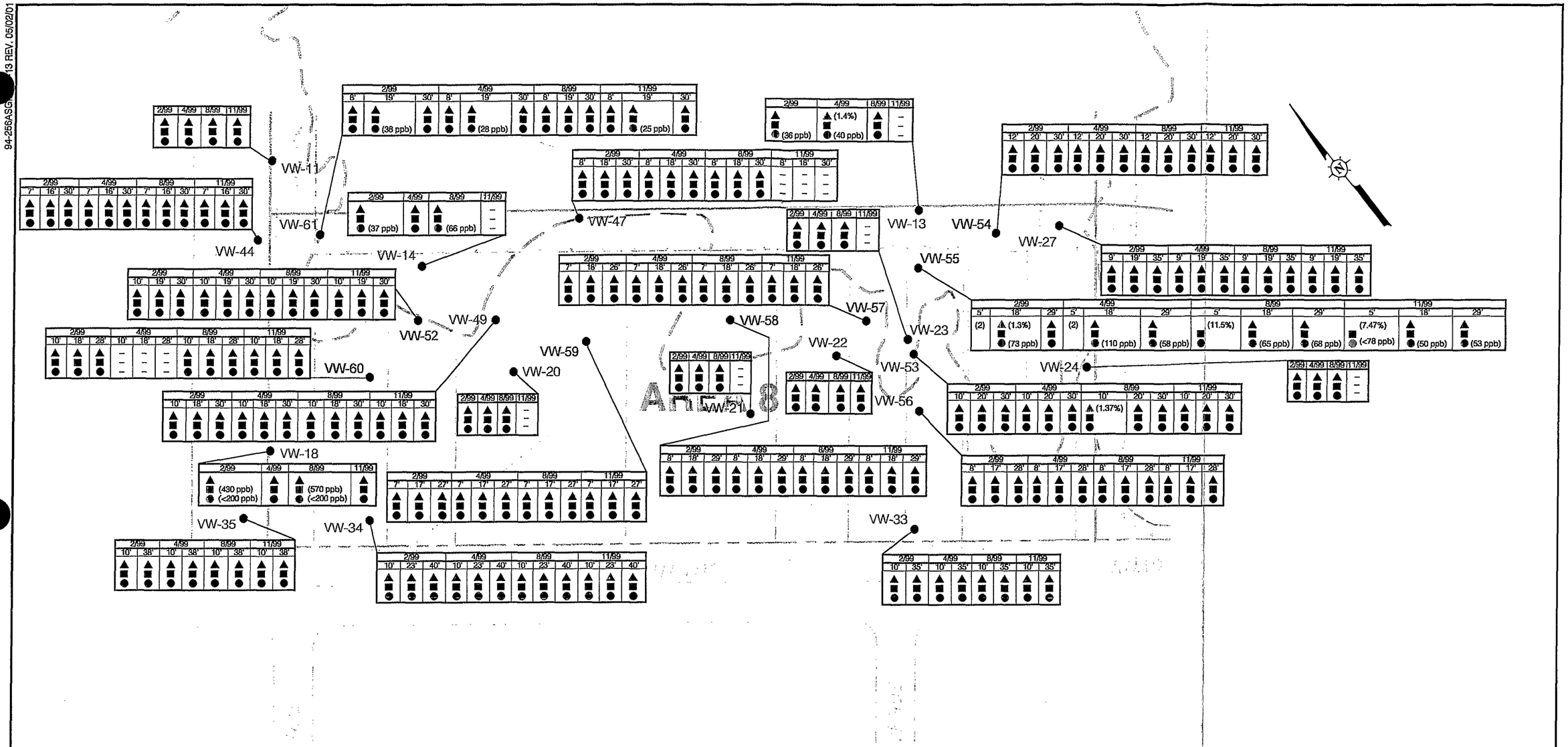
SUMMARY OF 1999
VAPOR WELL MONITORING RESULTS
AREAS 6 AND 7

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4.4

94-256ASG 13 REV. 05/02/01



LEGEND

SITE BOUNDARY	▲ METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
● RI/FS VAPOR WELLS				
◉ VAPOR WELLS INSTALLED BY OTHERS				
– NOT TESTED				

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

SUMMARY OF 1999
VAPOR WELL MONITORING RESULTS
AREA 8

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE 4.5

APPENDIX A

FIELD NOTES DATABASE

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-01-35	Feb-98	0	0.2
	Apr-98	0	5.2
	Jul-98	0.1	30
	Oct-98	0	21
	Feb-99	0	25.7
	Apr-99	0	10.2
	Aug-99	0.2	19.3
	Oct-99	0	2.3
VW-02-35	Feb-98	0.3	0.8
	Apr-98	0.5	4.7
	Jul-98	0	28.4
	Oct-98	0	NM
	Feb-99	0	1.6
	Apr-99	0.1	3.0
	Aug-99	0	4.8
	Oct-99	0	31.7
VW-03-35	Feb-98	1.2	22.3
	Apr-98	1.4	1.5
	Jul-98	0.6	33
	Oct-98	0.1	47
	Feb-99	0	26.2
	Apr-99	0	7.9
	Aug-99	0	3.7
	Oct-99	0	3.2
VW-04-23	Feb-98	28.8	0
	Apr-98	34.8	28.8
	Jul-98	15.6	84
	Oct-98	8.3	54
	Feb-99	0.3	61.7
	Apr-99	0.6	13.3
	Aug-99	5.2	56.5
	Oct-99	12.2	8.5
VW-05-29	Feb-98	0.6	0.3
	Apr-98	0	4.5
	Jul-98	0	6.5
	Oct-98	0	NM
	Feb-99	0.1	1.1
	Apr-99	0.6	2.4
	Aug-99	0	2.0
	Oct-99	0	3

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-06-34	Feb-98	4.5	0
	Apr-98	0.1	5.1
	Jul-98	0.1	NM
	Oct-98	0	NM
	Feb-99	0	2.1
	Apr-99	0	3.0
	Aug-99	0	6.0
	Oct-99	0	8.3
VW-08-35	Feb-98	0.6	0
	Apr-98	0.4	6.6
	Jul-98	0	6.0
	Oct-98	0	NM
	Feb-99	0	9.0
	Apr-99	0	25.4
	Aug-99	0	2.6
	Oct-99	NM	NM
VW-10-35	Feb-98	0.2	0
	Apr-98	0.3	3.4
	Jul-98	0.4	15
	Oct-98	0	0
	Feb-99	0	7.1
	Apr-99	0	7.4
	Aug-99	0	2.7
	Oct-99	0	3.1
VW-11-35	Feb-98	1.8	0
	Apr-98	1.1	2.9
	Jul-98	0.9	42
	Oct-98	0	0
	Feb-99	0	2.9
	Apr-99	0	7.9
	Aug-99	0.1	4.5
	Oct-99	0.3	1.5
VW-12-34	Feb-98	0	3.2
	Apr-98	0	1.9
	Jul-98	0	6
	Oct-98	0	28
	Feb-99	0	28
	Apr-99	0	6.0
	Aug-99	0	3.4
	Oct-99	0	1.5

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-13-31	Feb-98	1.0	0
	Apr-98	0.7	1.9
	Jul-98	0.5	25.1
	Oct-98	0.7	NM
	Feb-99	0.6	18.3
	Apr-99	1.1	2.4
	Aug-99	0.2	1.7
	Oct-99	0.6	1.7
VW-14-35	Feb-98	0.4	4.1
	Apr-98	0.4	14.1
	Jul-98	0	6.6
	Oct-98	0	37
	Feb-99	0.3	11.1
	Apr-99	0.3	NM
	Aug-99	0.4	7.9
	Oct-99	0.2	10.3
VW-16-34	Feb-98	0	0
	Apr-98	0	5.9
	Jul-98	0	9
	Oct-98	0	0
	Feb-99	0	16.8
	Apr-99	0.1	9.0
	Aug-99	0.2	4.6
	Oct-99	0	3.9
VW-17-35	Feb-98	0	10.2
	Apr-98	0	8.3
	Jul-98	0	3
	Oct-98	0	0
	Feb-99	0	8.8
	Apr-99	0	2.9
	Aug-99	0	3.2
	Oct-99	0	1.7
VW-18-36	Feb-98	0	0.1
	Apr-98	0.2	44.5
	Jul-98	0	43
	Oct-98	0.3	149
	Feb-99	0.5	153
	Apr-99	0	6.9
	Aug-99	4.4	159.1
	Oct-99	0	9.8

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-20-35	Feb-98	0	0
	Apr-98	0	5.7
	Jul-98	0	6.1
	Oct-98	0	27
	Feb-99	0	24.3
	Apr-99	0	3.4
	Aug-99	0	1.6
	Oct-99	0	0.7
VW-21-36	Feb-98	0	0.5
	Apr-98	0	0
	Jul-98	0	10.2
	Oct-98	0	NM
	Feb-99	0	35
	Apr-99	0	3.2
	Aug-99	0	2.4
	Oct-99	0	0.6
VW-22-35	Feb-98	0.1	0
	Apr-98	0	4.7
	Jul-98	0	41.6
	Oct-98	0	NM
	Feb-99	0	48
	Apr-99	0	3.7
	Aug-99	0	1.8
	Oct-99	0	0.7
VW-23-36	Feb-98	0.2	2.6
	Apr-98	0	6.0
	Jul-98	0.1	36.2
	Oct-98	0	14
	Feb-99	0	23.2
	Apr-99	0	4.8
	Aug-99	0	6.0
	Oct-99	0	2.3
VW-24-35	Feb-98	0	2.4
	Apr-98	0	5.6
	Jul-98	0	29.2
	Oct-98	0	0
	Feb-99	0	15.9
	Apr-99	0	5.4
	Aug-99	0	4.8
	Oct-99	0	1

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-25-35	Feb-98	89.9	0
	Apr-98	42.5	11.4
	Jul-98	8.3	57
	Oct-98	31.6	128
	Feb-99	16.5	19.7
	Apr-99	25.7	17.8
	Aug-99	5.0	27.2
	Oct-99	17.3	6.2
VW-26-35	Feb-98	0.1	10.2
	Apr-98	0	4.1
	Jul-98	0.1	25
	Oct-98	0	43
	Feb-99	0	27.0
	Apr-99	0	10.4
	Aug-99	0	2.4
	Oct-99	0	2.2
VW-27-09	Feb-98	NM	NM
	Apr-98	0	4.9
	Jul-98	0	23.2
	Oct-98	0	NM
	Feb-99	0	19.5
	Apr-99	0	9.8
	Aug-99	0	1.6
	Oct-99	0	2.6
VW-27-19	Feb-98	0	13.2
	Apr-98	0	6.4
	Jul-98	0	22.2
	Oct-98	0	NM
	Feb-99	0	30.6
	Apr-99	0	9.5
	Aug-99	0	1.2
	Oct-99	0	1.9
VW-27-33	Feb-98	0	12.0
	Apr-98	0	2.4
	Jul-98	0	33.7
	Oct-98	0	NM
	Feb-99	0	26.2
	Apr-99	0	8.7
	Aug-99	0	1.3
	Oct-99	0	2.4

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-28-10	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	0	5.7
	Oct-98	0	1
	Feb-99	0	4.1
	Apr-99	0	4.4
	Aug-99	0	1.6
	Oct-99	0	29.4
VW-28-25	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	0	3.9
	Oct-98	0	0.5
	Feb-99	0	4.4
	Apr-99	0	3.2
	Aug-99	0	1.8
	Oct-99	0	26.2
VW-29-10	Feb-98	0	10.7
	Apr-98	0	10.3
	Jul-98	0	24.3
	Oct-98	0	0
	Feb-99	0	6.2
	Apr-99	0	1.1
	Aug-99	0	2.4
	Oct-99	0	19.3
VW-29-23	Feb-98	0	7.9
	Apr-98	0	6.7
	Jul-98	0	11.8
	Oct-98	0	0
	Feb-99	0	4.6
	Apr-99	0	9.0
	Aug-99	0	2.5
	Oct-99	0	13.6
VW-29-35	Feb-98	0	7.0
	Apr-98	0	4.5
	Jul-98	0	0
	Oct-98	0	3
	Feb-99	0	2.5
	Apr-99	0	10.6
	Aug-99	NM	NM
	Oct-99	0	15.5

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-30-07	Feb-98	0	2.9
	Apr-98	0	7.8
	Jul-98	0	17
	Oct-98	0	7
	Feb-99	0	2.0
	Apr-99	0	3.8
	Aug-99	0	3.3
	Oct-99	0	1.7
VW-30-23	Feb-98	0.6	1.0
	Apr-98	0.5	1.4
	Jul-98	0	21
	Oct-98	0	5
	Feb-99	0	2.0
	Apr-99	0	3.3
	Aug-99	0	3.4
	Oct-99	0	1.5
VW-30-35	Feb-98	0.7	1.4
	Apr-98	0.7	1.7
	Jul-98	0.1	12
	Oct-98	0	4
	Feb-99	0	3.0
	Apr-99	0	3.4
	Aug-99	0	2.8
	Oct-99	0	1.5
VW-31-10	Feb-98	0	4.8
	Apr-98	0	4.4
	Jul-98	0	31
	Oct-98	0	36
	Feb-99	0	25.9
	Apr-99	0	5.5
	Aug-99	0	4.0
	Oct-99	0	8.1
VW-31-30	Feb-98	0	4.1
	Apr-98	0	0
	Jul-98	0	33
	Oct-98	0	20
	Feb-99	0	25.7
	Apr-99	0	5.0
	Aug-99	0	3.2
	Oct-99	0	4.6

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-32-08	Feb-98	0	0.7
	Apr-98	0	7.4
	Jul-98	0	5.6
	Oct-98	0	13
	Feb-99	0	26.0
	Apr-99	0	23.1
	Aug-99	0	4.2
	Oct-99	0	1.8
VW-32-18	Feb-98	0	1.4
	Apr-98	0	5.5
	Jul-98	0	2.6
	Oct-98	0	27
	Feb-99	0	24.4
	Apr-99	0	20.5
	Aug-99	0	3.8
	Oct-99	0	0
VW-32-35	Feb-98	0	0.9
	Apr-98	0	4.7
	Jul-98	0	2.4
	Oct-98	0	37
	Feb-99	0	25.8
	Apr-99	0	17.7
	Aug-99	0	3.9
	Oct-99	0	0
VW-33-10	Feb-98	0	1.9
	Apr-98	0	2.4
	Jul-98	0	43.2
	Oct-98	0	NM
	Feb-99	0	19.2
	Apr-99	0	6.7
	Aug-99	0	6.3
	Oct-99	0	1.3
VW-33-35	Feb-98	0	2.0
	Apr-98	0	3.9
	Jul-98	0	4.2
	Oct-98	0	NM
	Feb-99	0	26.3
	Apr-99	0	5.5
	Aug-99	0	5.9
	Oct-99	0	1.1

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-34-10	Feb-98	0	5.1
	Apr-98	0	6.4
	Jul-98	0	42
	Oct-98	0	10
	Feb-99	0	17.2
	Apr-99	0	7.8
	Aug-99	0	1.3
	Oct-99	0	1.2
VW-34-23	Feb-98	0	3.2
	Apr-98	0	4.0
	Jul-98	0	12
	Oct-98	0	12
	Feb-99	0	20.6
	Apr-99	0	6.6
	Aug-99	0	2.3
	Oct-99	0	0.7
VW-34-40	Feb-98	0	3.2
	Apr-98	0	3.0
	Jul-98	0	10
	Oct-98	NM	20
	Feb-99	0	6.8
	Apr-99	0	2.9
	Aug-99	0	1.8
	Oct-99	0	0.7
VW-35-10	Feb-98	0	0
	Apr-98	0	2.3
	Jul-98	0	42
	Oct-98	0	12
	Feb-99	0	20.6
	Apr-99	0	7.7
	Aug-99	0	3.6
	Oct-99	0	0.9
VW-35-38	Feb-98	0	0
	Apr-98	0	5.4
	Jul-98	0	51
	Oct-98	0	23
	Feb-99	0	6.5
	Apr-99	0	7.7
	Aug-99	0	3.6
	Oct-99	0	1

NM = Not measured.
NI = Not installed.

Well ID	Date	Methane (%)	VOC (ppm)
VW-36-10	Feb-98	0	0
	Apr-98	0	18.6
	Jul-98	47	0
	Oct-98	0	0
	Feb-99	0	14.6
	Apr-99	0	4.2
	Aug-99	0	2.4
	Oct-99	0	0
VW-36-30	Feb-98	0	0
	Apr-98	0	8.1
	Jul-98	40	0
	Oct-98	0	0
	Feb-99	0	3.0
	Apr-99	0	10.8
	Aug-99	0	2.6
	Oct-99	0	0
VW-37-10	Feb-98	0	9.2
	Apr-98	0	5.2
	Jul-98	0	0
	Oct-98	0.1	33
	Feb-99	0	8.6
	Apr-99	0	7.6
	Aug-99	0	3.2
	Oct-99	0	0.5
VW-37-30	Feb-98	0	6.4
	Apr-98	0	2.6
	Jul-98	0	3
	Oct-98	0	17
	Feb-99	0	0
	Apr-99	0	6.4
	Aug-99	0	3.2
	Oct-99	0	0.5
VW-38-10	Feb-98	0	10
	Apr-98	0	6.2
	Jul-98	43	0
	Oct-98	0	13
	Feb-99	0	3.6
	Apr-99	0	5.5
	Aug-99	0	1.4
	Oct-99	0	1

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-38-34	Feb-98	0	30
	Apr-98	0	9.5
	Jul-98	0	62
	Oct-98	0	14
	Feb-99	0	12.5
	Apr-99	0	5.5
	Aug-99	0	7.4
	Oct-99	0	9.2
VW-39-07	Feb-98	0	18.3
	Apr-98	0	4.3
	Jul-98	0	40
	Oct-98	0	7
	Feb-99	0	43.5
	Apr-99	0	7.8
	Aug-99	0	3.0
	Oct-99	0	3.9
VW-39-30	Feb-98	0	12.3
	Apr-98	0	4.2
	Jul-98	0	42
	Oct-98	0	8
	Feb-99	0	6.5
	Apr-99	0	8.2
	Aug-99	0	3.3
	Oct-99	0	2.9
VW-40-10	Feb-98	0.4	29.6
	Apr-98	0.5	1.5
	Jul-98	0.6	2.0
	Oct-98	0.2	5.8
	Feb-99	0	22.3
	Apr-99	0.2	6.5
	Aug-99	0.2	1.9
	Oct-99	2.5	1.3
VW-40-25	Feb-98	0	21.7
	Apr-98	0	1.8
	Jul-98	0	0
	Oct-98	0	0
	Feb-99	0	27.3
	Apr-99	0	7.7
	Aug-99	0	2.0
	Oct-99	19.2	2.3

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-41-08	Feb-98	0	5.7
	Apr-98	0	4.5
	Jul-98	0	42
	Oct-98	0	19
	Feb-99	0	10.0
	Apr-99	0	6.1
	Aug-99	0	2.3
	Oct-99	0	0.7
VW-41-20	Feb-98	0	3.2
	Apr-98	0	2.6
	Jul-98	0	31
	Oct-98	0	32
	Feb-99	0	15.4
	Apr-99	0	6.5
	Aug-99	0.1	1.8
	Oct-99	0	0.8
VW-42-10	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	0	2.8
	Oct-98	0	24
	Feb-99	0	45.6
	Apr-99	0	2.8
	Aug-99	0	2.4
	Oct-99	0	1.2
VW-42-30	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	0	2.5
	Oct-98	0	29
	Feb-99	0	27.6
	Apr-99	0	0
	Aug-99	0	2.4
	Oct-99	0	0.8
VW-43-09	Feb-98	NM	NM
	Apr-98	0	7.4
	Jul-98	0	4
	Oct-98	0	NM
	Feb-99	0	39.5
	Apr-99	0	8.2
	Aug-99	0	2.1
	Oct-99	0	1.5

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-43-19	Feb-98	0	5.4
	Apr-98	0.9	3.3
	Jul-98	0.9	4
	Oct-98	0.6	NM
	Feb-99	1.4	37
	Apr-99	1.9	5.4
	Aug-99	0.6	2.3
	Oct-99	2.1	1.6
VW-43-32	Feb-98	1.9	2.0
	Apr-98	1.6	0.7
	Jul-98	1.6	2
	Oct-98	0.7	NM
	Feb-99	0.7	38.2
	Apr-99	1.3	6.0
	Aug-99	0.5	2.6
	Oct-99	1.3	1.5
VW-44-07	Feb-98	0	0
	Apr-98	0	10.0
	Jul-98	0	41
	Oct-98	0	20
	Feb-99	0	16.2
	Apr-99	0	7.1
	Aug-99	0.4	2.4
	Oct-99	0.3	0.9
VW-44-16	Feb-98	0	0
	Apr-98	0	9.2
	Jul-98	0	40
	Oct-98	0	18
	Feb-99	NM	NM
	Apr-99	0	5.5
	Aug-99	NM	NM
	Oct-99	NM	NM
VW-44-30	Feb-98	0.4	0
	Apr-98	0.5	4.0
	Jul-98	0.4	40
	Oct-98	0	13
	Feb-99	0	0.6
	Apr-99	0	5.9
	Aug-99	0	3.5
	Oct-99	0	0.9

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-45-13	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	85.2	35
	Oct-98	48.8	NM
	Feb-99	74	84.2
	Apr-99	95.6	1.3
	Aug-99	94.5	21.5
	Oct-99	94	16.8
VW-45-22	Feb-98	10.4	19.7
	Apr-98	15.6	80.8
	Jul-98	16.5	61
	Oct-98	5.5	NM
	Feb-99	22.7	96
	Apr-99	55.4	8.5
	Aug-99	45.6	56.1
	Oct-99	74.2	19.5
VW-45-30	Feb-98	4.3	5.7
	Apr-98	1.4	29.3
	Jul-98	3.5	66
	Oct-98	0.4	NM
	Feb-99	1.3	94
	Apr-99	2.5	32.6
	Aug-99	1.6	62.2
	Oct-99	2.7	54
VW-46-07	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	0.6	19
	Oct-98	4.5	10
	Feb-99	1.4	11.6
	Apr-99	NM	NM
	Aug-99	0.7	2.4
	Oct-99	1.5	1.2
VW-46-15	Feb-98	0	15.1
	Apr-98	0	1.2
	Jul-98	0	17
	Oct-98	0	25
	Feb-99	0	17.3
	Apr-99	0	7.5
	Aug-99	0	2.2
	Oct-99	0	0.5

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-46-27	Feb-98	0	11.4
	Apr-98	0	1.4
	Jul-98	0	4
	Oct-98	0	30
	Feb-99	0	16.3
	Apr-99	0	7.4
	Aug-99	0	2.6
	Oct-99	0	0.5
VW-47-08	Feb-98	NM	NM
	Apr-98	0	17.3
	Jul-98	0	16
	Oct-98	0	NM
	Feb-99	0	48
	Apr-99	0	3.0
	Aug-99	0	2.0
	Oct-99	0	1.7
VW-47-18	Feb-98	0	0.1
	Apr-98	0.1	12.5
	Jul-98	0.2	11
	Oct-98	0	NM
	Feb-99	0	48
	Apr-99	0	3.0
	Aug-99	0	1.8
	Oct-99	0	0.9
VW-47-30	Feb-98	0.1	0
	Apr-98	0.2	6.9
	Jul-98	0.1	18.2
	Oct-98	0	NM
	Feb-99	0	45.6
	Apr-99	0	2.9
	Aug-99	0	2.2
	Oct-99	0	1
VW-48-08	Feb-98	73.1	0
	Apr-98	NM	NM
	Jul-98	35	49.1
	Oct-98	100	45
	Feb-99	29.9	40.7
	Apr-99	36.6	3.2
	Aug-99	34	17.2
	Oct-99	52.9	19.2

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-48-17	Feb-98	63.1	0
	Apr-98	100	3.0
	Jul-98	55	72.0
	Oct-98	100	40
	Feb-99	73	49.8
	Apr-99	99	280
	Aug-99	100	33.4
	Oct-99	81	2.2
VW-48-35	Feb-98	4.5	48.5
	Apr-98	5.8	36
	Jul-98	2.0	64.0
	Oct-98	1.8	87
	Feb-99	1.4	23.6
	Apr-99	2.3	12.7
	Aug-99	2.2	50.4
	Oct-99	2.5	44
VW49-10	Feb-98	0	0
	Apr-98	0	18.5
	Jul-98	0	24.3
	Oct-98	0	53
	Feb-99	0	7.7
	Apr-99	0	5.7
	Aug-99	0	4.0
	Oct-99	0	0.8
VW49-18	Feb-98	0	2.3
	Apr-98	0	6.3
	Jul-98	0	36.9
	Oct-98	0	37
	Feb-99	0	5.4
	Apr-99	0	3.2
	Aug-99	0	3.8
	Oct-99	0	0.8
VW49-30	Feb-98	0	1.1
	Apr-98	0	4.3
	Jul-98	0	45.6
	Oct-98	0	NM
	Feb-99	0	10.6
	Apr-99	0	3.5
	Aug-99	0	3.5
	Oct-99	0	0.8

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-50-08	Feb-98	0	6.5
	Apr-98	0	6.7
	Jul-98	NM	NM
	Oct-98	0	10
	Feb-99	0	16.8
	Apr-99	0	10.1
	Aug-99	0	3.7
	Oct-99	0	1.4
VW-50-18	Feb-98	0	3.5
	Apr-98	0	4.2
	Jul-98	NM	NM
	Oct-98	0	7
	Feb-99	0	29.5
	Apr-99	0	11.2
	Aug-99	0	2.9
	Oct-99	0	1.1
VW-50-35	Feb-98	0	3.5
	Apr-98	0	3.1
	Jul-98	NM	NM
	Oct-98	0	8
	Feb-99	0	29.7
	Apr-99	0	11.4
	Aug-99	0	3.7
	Oct-99	0	1.5
VW-51-08	Feb-98	NM	NM
	Apr-98	NM	NM
	Jul-98	NM	NM
	Oct-98	NM	NM
	Feb-99	0	17.8
	Apr-99	0	10.2
	Aug-99	0	2.1
	Oct-99	0.2	21.2
VW-51-18	Feb-98	100	12.3
	Apr-98	142	3.1
	Jul-98	99.9	59
	Oct-98	1.5	11
	Feb-99	NM	NM
	Apr-99	NM	NM
	Aug-99	NM	NM
	Oct-99	94	2.1

NM = Not measured.
NI = Not installed.

Well ID	Date	Methane (%)	VOC (ppm)
VW-51-30	Feb-98	6.2	12.3
	Apr-98	3.7	25
	Jul-98	0	43
	Oct-98	1.3	19
	Feb-99	1.1	24.8
	Apr-99	2.3	10.1
	Aug-99	0.8	7.5
	Oct-99	2.7	22.9
VW-52-10	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	0	28.9
	Oct-98	0	27
	Feb-99	0	36.4
	Apr-99	0	NM
	Aug-99	0.1	5.1
	Oct-99	0	6
VW-52-19	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	0	5.1
	Oct-98	0	24
	Feb-99	0	6.1
	Apr-99	0	NM
	Aug-99	0	4.8
	Oct-99	0	2.1
VW-52-30	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	0	3.5
	Oct-98	0	22
	Feb-99	0	7.9
	Apr-99	0	NM
	Aug-99	0	2.8
	Oct-99	0	1.7
VW-53-10	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	0.1	14.3
	Oct-98	0.5	62
	Feb-99	0.4	14.8
	Apr-99	0.6	17.6
	Aug-99	1.2	12.8
	Oct-99	0	9.6

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-53-20	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	0.1	5.6
	Oct-98	0	26
	Feb-99	0	37.4
	Apr-99	0	6.2
	Aug-99	0	11.4
	Oct-99	0	2.1
VW-53-30	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	0	4.4
	Oct-98	0	29
	Feb-99	0	36.4
	Apr-99	0	9.1
	Aug-99	0	4.0
	Oct-99	0	2.5
VW-54-12	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	29
	Feb-99	0.5	30
	Apr-99	0.7	4.9
	Aug-99	0	1.6
	Oct-99	0	6.4
VW-54-20	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.6	28
	Feb-99	0.3	31.9
	Apr-99	0.5	2.6
	Aug-99	0	1.6
	Oct-99	0.1	3.8
VW-54-30	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.2	14
	Feb-99	0.3	30.0
	Apr-99	0.5	2.6
	Aug-99	0.2	1.2
	Oct-99	0.2	4.1

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-55-05	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	11.5	0.5
	Feb-99	NM	NM
	Apr-99	NM	NM
	Aug-99	8.9	1.8
	Oct-99	8.4	8
VW-55-18	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.7	0
	Feb-99	0.6	14.8
	Apr-99	0.6	11.4
	Aug-99	0.5	6.3
	Oct-99	0.8	12.4
VW-55-29	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.6	0.7
	Feb-99	0.5	14.3
	Apr-99	0.5	10.9
	Aug-99	0.5	4.5
	Oct-99	0.7	7.8
VW-56-08	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	33
	Feb-99	0	23.7
	Apr-99	0	5.9
	Aug-99	0	6.5
	Oct-99	0	1.2
VW-56-17	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	37
	Feb-99	0	32.2
	Apr-99	0	NM
	Aug-99	0	5.3
	Oct-99	0	1

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-56-28	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	45
	Feb-99	0	30.5
	Apr-99	0	5.3
	Aug-99	0	5.7
	Oct-99	0	0.9
VW-57-07	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	11
	Feb-99	0	14.5
	Apr-99	0	7.8
	Aug-99	0	2.8
	Oct-99	0	1.3
VW-57-18	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	20
	Feb-99	0	23.7
	Apr-99	0	3.3
	Aug-99	0	2.7
	Oct-99	0	2.1
VW-57-26	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.1	50
	Feb-99	0	21.2
	Apr-99	0	7.5
	Aug-99	0	2.7
	Oct-99	0	2.1
VW-58-08	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	28
	Feb-99	0	18.9
	Apr-99	0	3.9
	Aug-99	0	3.3
	Oct-99	0	5

NM = Not measured,
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-58-19	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	7
	Feb-99	0	31.4
	Apr-99	0	4.6
	Aug-99	0	4.0
	Oct-99	0	5
VW-58-29	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	12
	Feb-99	0	27.7
	Apr-99	0	4.2
	Aug-99	0	3.5
	Oct-99	0	4.7
VW-59-07	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	23
	Feb-99	0	20.6
	Apr-99	0	10.2
	Aug-99	0.4	7.2
	Oct-99	0	0.8
VW-59-17	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	8
	Feb-99	0	8.7
	Apr-99	0.1	4.9
	Aug-99	0.4	3.2
	Oct-99	0	0.7
VW-59-27	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	4
	Feb-99	0	11.8
	Apr-99	0	7.9
	Aug-99	0.3	3.3
	Oct-99	0	0.5

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-60-10	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	24
	Feb-99	0	5.8
	Apr-99	0	0.8
	Aug-99	NM	NM
	Oct-99	0	1
VW-60-18	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	37
	Feb-99	0	1.6
	Apr-99	0	0.4
	Aug-99	NM	NM
	Oct-99	0	0.7
VW-60-28	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	38
	Feb-99	0	1.0
	Apr-99	0	1.2
	Aug-99	NM	NM
	Oct-99	0	1.1
VW-61-08	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	0
	Feb-99	0	64
	Apr-99	0	3.8
	Aug-99	0	3.7
	Oct-99	0	0.4
VW-61-19	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	0.4
	Feb-99	0	37
	Apr-99	0	2.9
	Aug-99	0	3.7
	Oct-99	0	0.3

NM = Not measured.
NI = Not installed.

1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-61-30	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	NM
	Feb-99	0	51
	Apr-99	0	3.3
	Aug-99	0	2.9
	Oct-99	0	0.4
VW-62-08	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	1.5	12
	Feb-99	2.5	0
	Apr-99	3.1	1.8
	Aug-99	4.4	0.8
	Oct-99	5.8	0.8
VW-62-18	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	NM
	Feb-99	0.2	2.5
	Apr-99	0.1	7.9
	Aug-99	0.1	3.7
	Oct-99	0.4	1.5
VW-62-29	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.2	NM
	Feb-99	0	2.9
	Apr-99	0.1	7.8
	Aug-99	0.2	2.5
	Jan-04	0.4	1.3
VW-63-08	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0.3	23
	Feb-99	0	13.1
	Apr-99	0	6.6
	Aug-99	0.1	2.1
	Oct-99	0	0.7

NM = Not measured.
NI = Not installed.

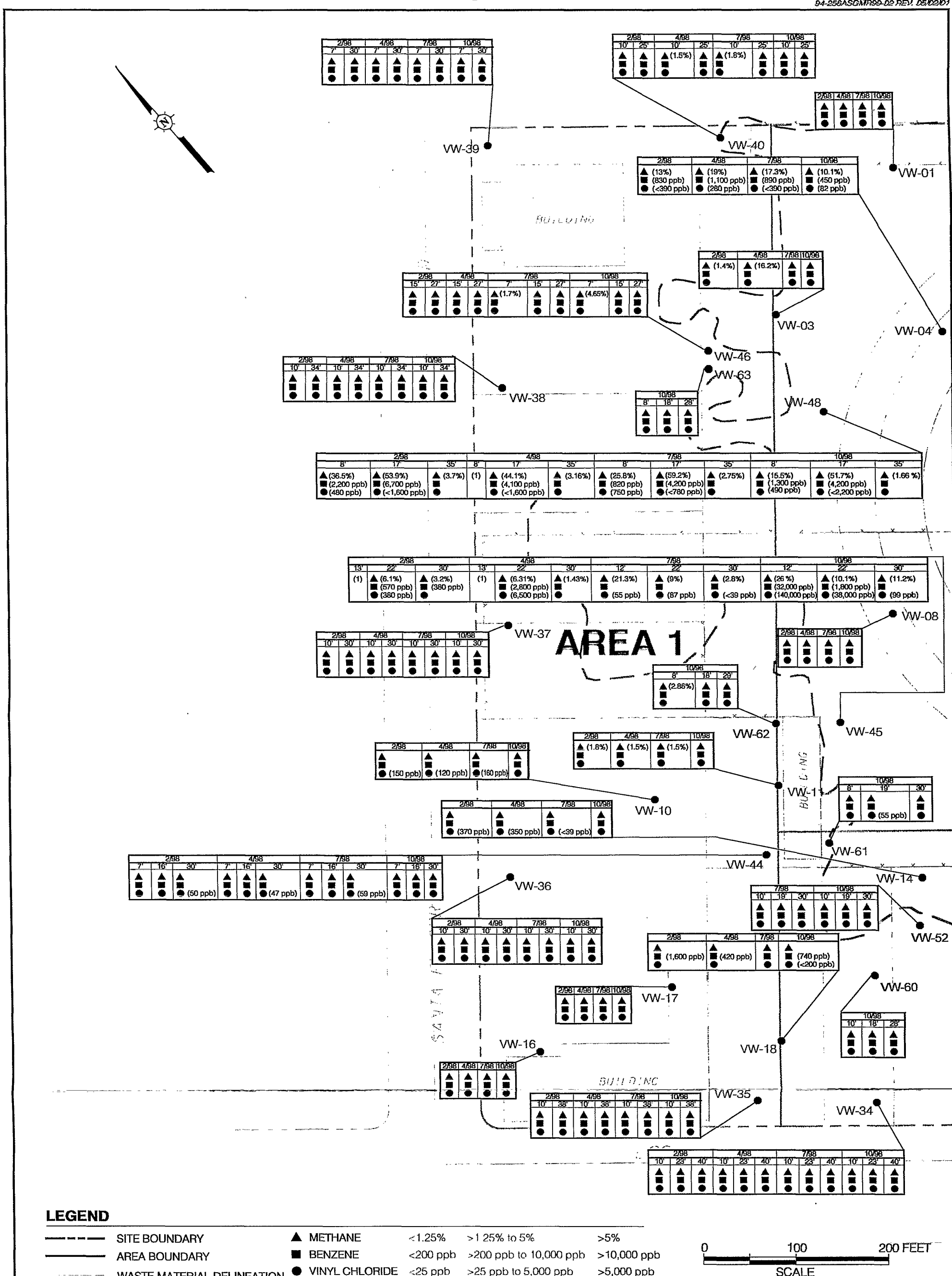
1998-1999 Soil Gas Monitoring Field Database

Well ID	Date	Methane (%)	VOC (ppm)
VW-63-18	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	19
	Feb-99	0	19.3
	Apr-99	0	6.1
	Aug-99	0	1.3
	Oct-99	0	0.4
VW-63-28	Feb-98	NI	NI
	Apr-98	NI	NI
	Jul-98	NI	NI
	Oct-98	0	12
	Feb-99	0	17.5
	Apr-99	0	5.9
	Aug-99	0	1.6
	Oct-99	0	0.4
MP-1-05	Feb-98	NM	NM
	Apr-98	0	10.2
	Jul-98	0	13.2
	Oct-98	0	10
	Feb-99	0	14.8
	Apr-99	0	5.2
	Aug-99	0	3.4
	Oct-99	0	2.3
MP-1-15	Feb-98	5.3	24.0
	Apr-98	NM	NM
	Jul-98	0	21.1
	Oct-98	NM	NM
	Feb-99	NM	NM
	Apr-99	NM	NM
	Aug-99	NM	NM
	Oct-99	NM	NM
MP-2-05	Feb-98	NM	NM
	Apr-98	0	17
	Jul-98	0	37.5
	Oct-98	0	15
	Feb-99	0	1.4
	Apr-99	0	5.4
	Aug-99	0	2.6
	Oct-99	0	4
MP-2-15	Feb-98	7.3	19.7
	Apr-98	NM	NM
	Jul-98	11.8	81
	Oct-98	NM	NM
	Feb-99	NM	NM
	Apr-99	NM	NM
	Aug-99	NM	NM
	Oct-99	NM	NM

NM = Not measured.
NI = Not installed.

APPENDIX B

1998 VAPOR WELL MONITORING RESULTS SHOWN IN FIGURES B.1 THROUGH B.5



LEGEND

SITE BOUNDARY	▲ METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
● RI/FS VAPOR WELLS				
◉ VAPOR WELLS INSTALLED BY OTHERS				
– NOT TESTED				
(1) NOT SAMPLED DUE TO HIGH LIQUID LEVELS				

0 100 200 FEET
SCALE

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

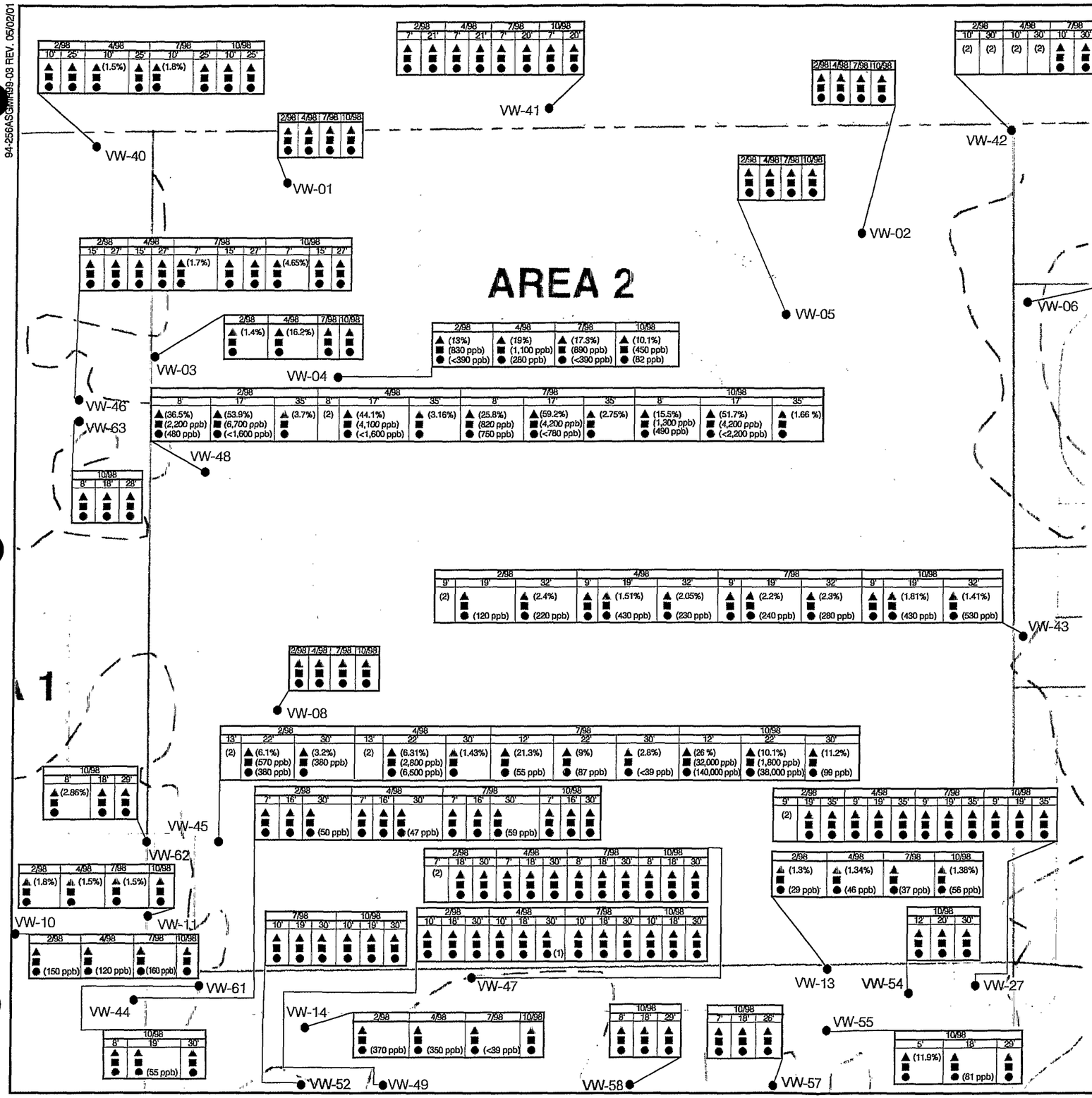
SUMMARY OF 1998 VAPOR WELL MONITORING RESULTS AREA 1

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE B.1

94-256ASGWI99-03 REV. 05/02/01



LEGEND

- SITE BOUNDARY
- AREA BOUNDARY
- WASTE MATERIAL DELINEATION
- ● RI/FS VAPOR WELLS
- ◉ VAPOR WELLS INSTALLED BY OTHERS
- – NOT TESTED
- (1) ELEVATED DETECTION LIMIT
- (2) NOT SAMPLED DUE TO HIGH LIQUID LEVELS

▲ METHANE	<1.25%	>1.25% to 5%	>5%
■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

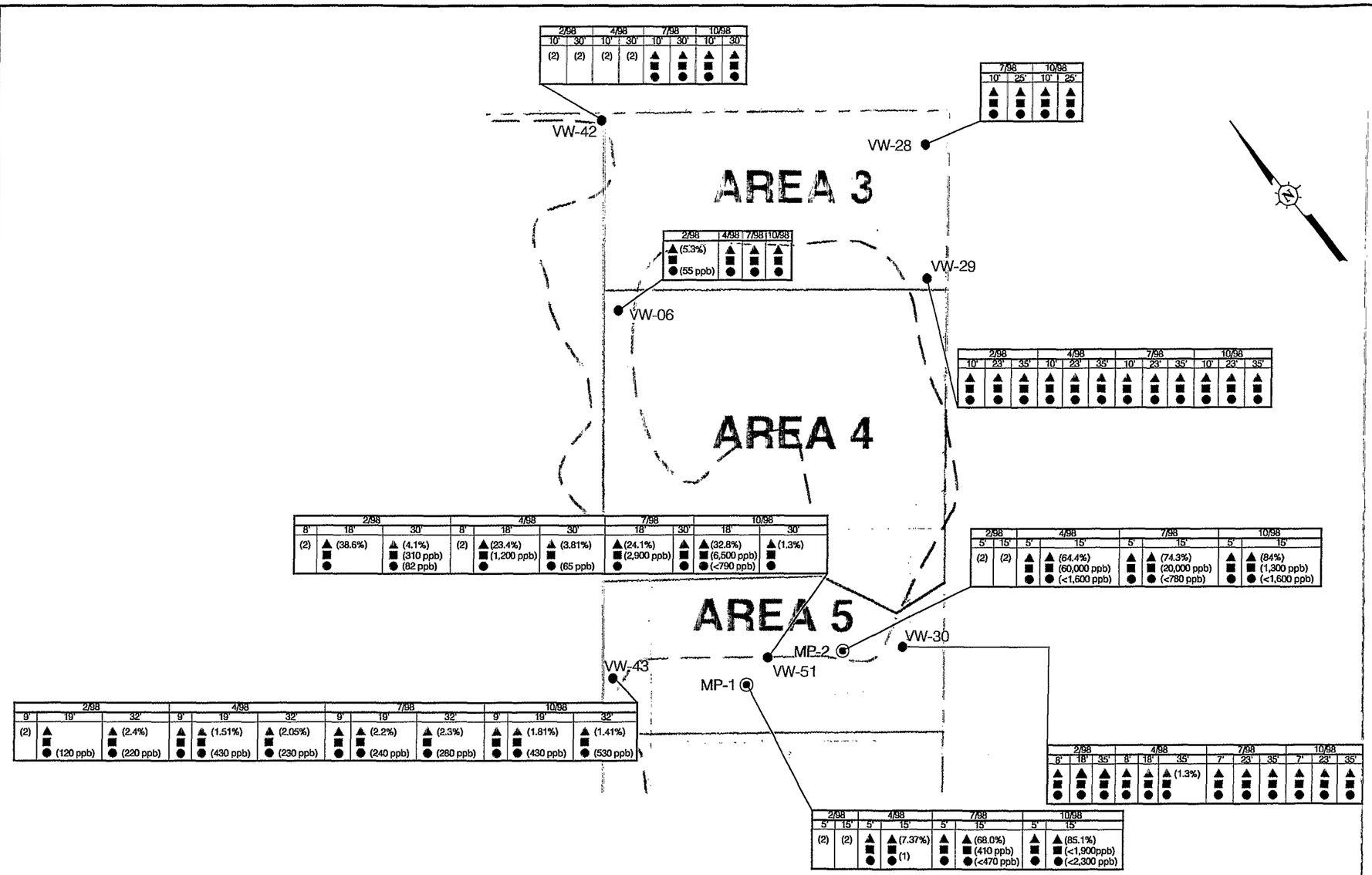
SUMMARY OF 1998 VAPOR WELL MONITORING RESULTS AREA 2

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE B.2

94-256ASGI/mw-04 REV. 05/02/01



LEGEND

SITE BOUNDARY	▲ METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
● RI/FS VAPOR WELLS				
◉ VAPOR WELLS INSTALLED BY OTHERS				
– NOT TESTED				
(1) ELEVATED DETECTION LIMIT				
(2) NOT SAMPLED DUE TO HIGH LIQUID LEVELS				

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

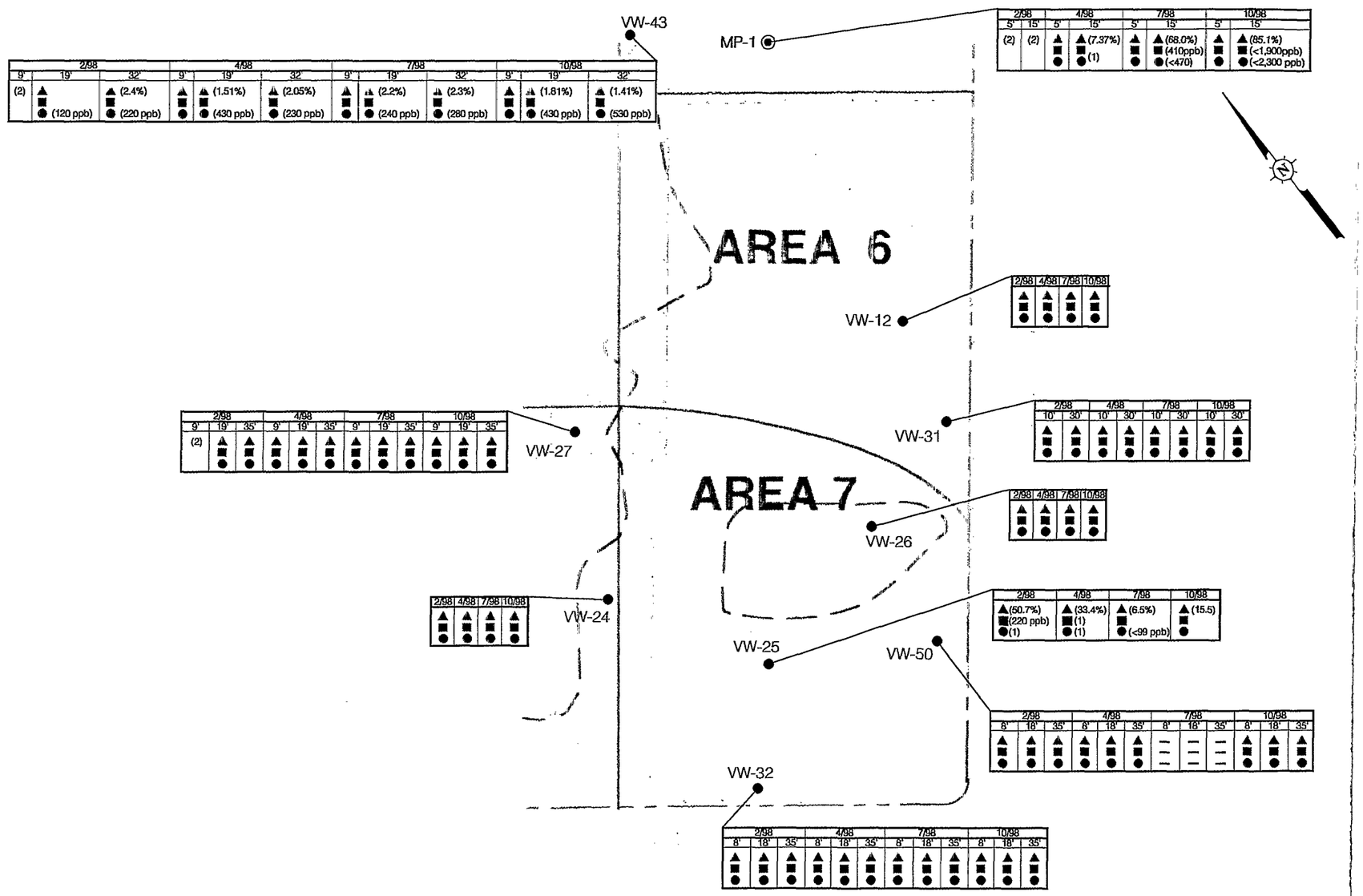
SUMMARY OF 1998 VAPOR WELL MONITORING RESULTS AREAS 3, 4 AND 5

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE B.3

94-256A\SGM\feb9-05 REV. 05/02/01



LEGEND

SITE BOUNDARY	▲ METHANE	<1.25%	>1.25% to 5%	>5%
AREA BOUNDARY	■ BENZENE	<200 ppb	>200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	● VINYL CHLORIDE	<25 ppb	>25 ppb to 5,000 ppb	>5,000 ppb
● RI/FS VAPOR WELLS				
◉ VAPOR WELLS INSTALLED BY OTHERS				
– NOT TESTED				
(1) ELEVATED DETECTION LIMIT				
(2) NOT SAMPLED DUE TO HIGH LIQUID LEVELS				

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

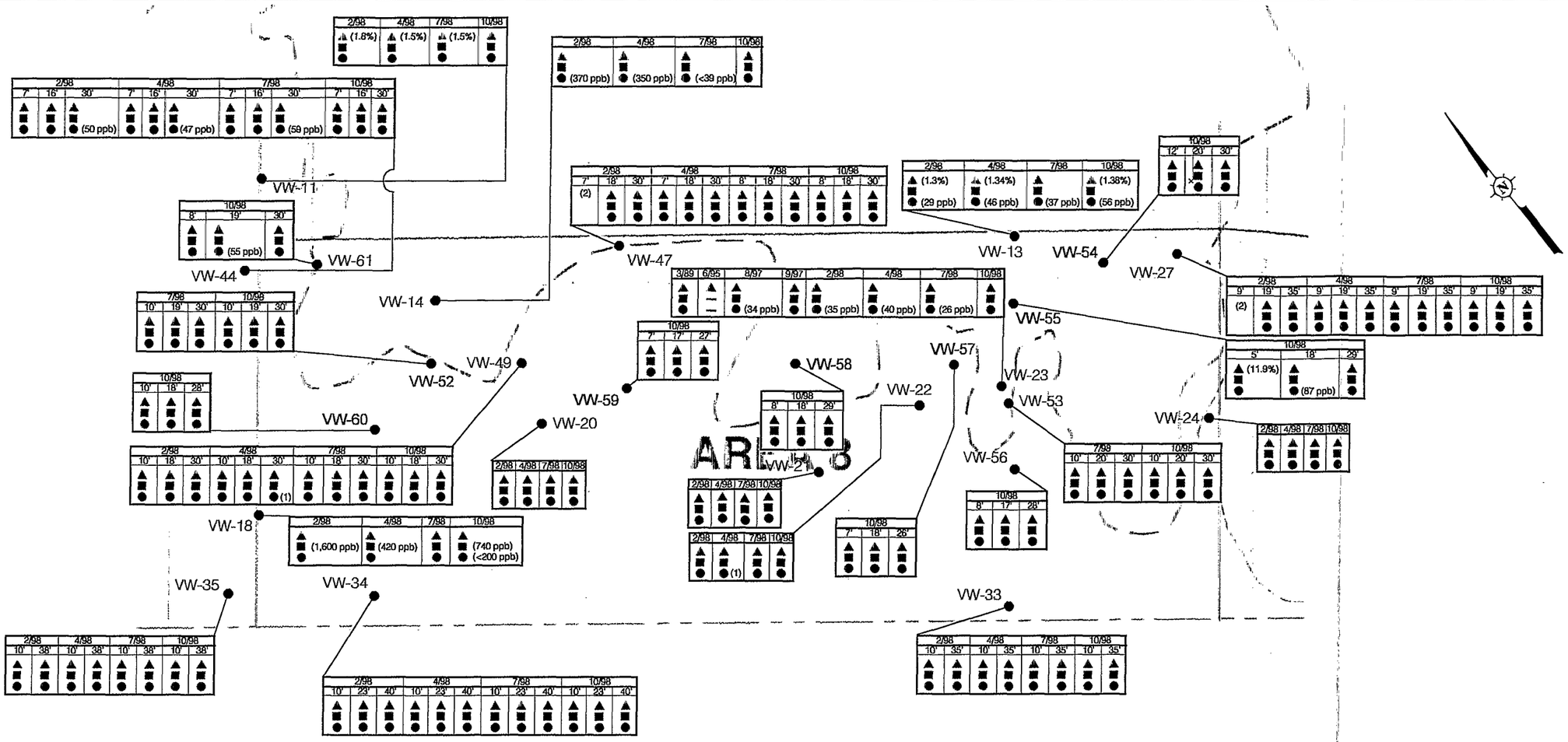
SUMMARY OF
1998 VAPOR WELL MONITORING RESULTS
AREAS 6 AND 7

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE B.4

94-256ASG/Nov99-08 REV. 05/02/01



LEGEND

SITE BOUNDARY	▲	METHANE	<1.25%	1.25% to 5%	>5%
AREA BOUNDARY	■	BENZENE	<200 ppb	200 ppb to 10,000 ppb	>10,000 ppb
WASTE MATERIAL DELINEATION	●	VINYL CHLORIDE	<25 ppb	25 ppb to 5,000 ppb	>5,000 ppb
● RI/FS VAPOR WELLS					
◉ VAPOR WELLS INSTALLED BY OTHERS					
– NOT TESTED					
(1) ELEVATED DETECTION LIMIT					
(2) NOT SAMPLED DUE TO HIGH LIQUID LEVELS					

NOTE:
1. DIFFERENTIATING CRITERIA IS BASED ON IWMB METHANE STANDARD AND EPA INTERIM ACTIVE LEVELS FOR BENZENE AND VINYL CHLORIDE.

0 100 200 FEET
SCALE

SUMMARY OF
1998 VAPOR WELL MONITORING RESULTS
AREA 8

WASTE DISPOSAL, INC.
SANTA FE SPRINGS, CALIFORNIA

TRC

FIGURE B.5

APPENDIX C

1999 WDIGs LABORATORY REPORTS, QA/QC DOCUMENTATION
AND FIELD DATA (PROVIDED ON CD-ROM)

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