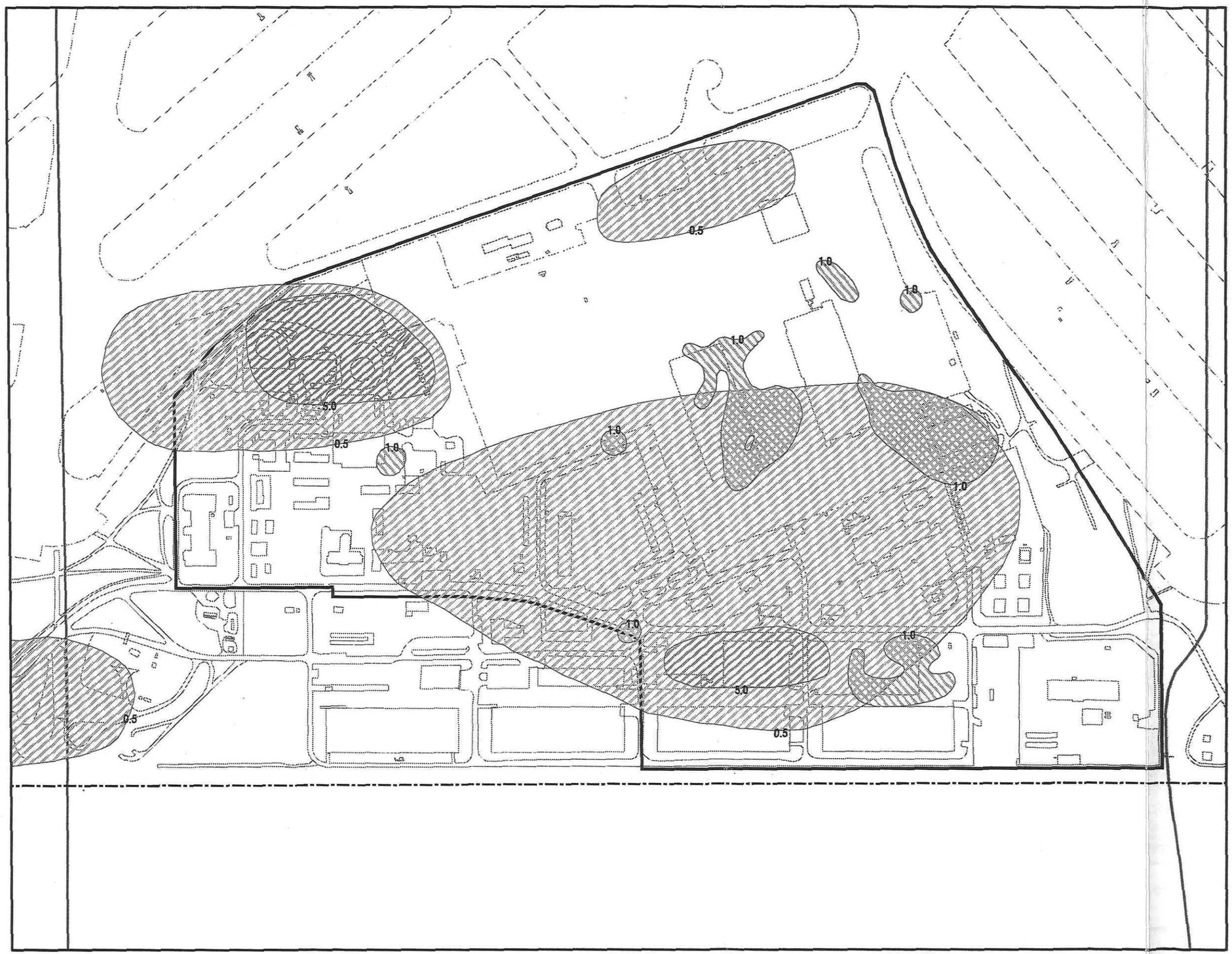
Previous

FIGURE 3-22

EXTENT OF PCE DETECTED IN SOIL GAS, SOIL, AND GROUNDWATER

MCAS EL TORO SOIL GAS SURVEY

Plot date: 01 Sep 94 10:10:22 Thursday /gis2/eltoro/plots/soilgas/plmoverlay.GIS



FEATURES:

- MCAS EL TORO BOUNDARY
- SITE BOUNDARY
- WASH OR STREAM
- CARBON TETRACHLORIDE DETECTED IN SOIL GAS
- CARBON TETRACHLORIDE DETECTED IN GROUNDWATER
- 1.0 CONCENTRATION OF CARBON TETRACHLORIDE DETECTED IN SOIL GAS IN ug/L
- 1.0 CONCENTRATION OF CARBON TETRACHLORIDE DETECTED IN GROUNDWATER IN ug/L

0 225 450 900

SCALE IN FEET

FIGURE 3-23

EXTENT OF CARBON TETRACHLORIDE DETECTED IN SOIL GAS AND GROUNDWATER

MCAS EL TORO SOIL GAS SURVEY

Plot date: 01 Sep 94 08:29:03 Thursday /gis2/eltoro/plots/soilgas/plmoverlay.GIS

4.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

This section presents the conclusions and recommendations for the MCAS El Toro Soil Gas Survey results. It includes an evaluation of the sampling data and identifies possible VOC source areas in the shallow vadose zone in the southwest quadrant of MCAS El Toro. Subsection 4.1 presents the results of the air knife tests performed as part of the Soil Gas Survey. Subsection 4.2 summarizes the results of the evaluation of the methanol preservation method for soil samples. An evaluation of the soil gas and soil sampling results is provided in Subsection 4.3. This subsection also identifies possible VOC source areas in the southwest quadrant of the Station. Recommendations for further action at possible VOC source areas are discussed in Subsection 4.4.

4.1 Air Knife Test Results

One of the objectives of the Soil Gas Survey was to evaluate the potential effects of the use of an air knife on soil gas VOC concentrations for samples collected at 12 feet bgs. If soil gas concentrations were affected by the air knife, then an additional objective was to assess how quickly the soil gas concentration would re-equilibrate; this was used to assess a "safe" equilibration period between air knife utility clearance and collection of the 12-foot bgs sample.

As part of the air knife test, pressure was monitored at a depth of 12 feet bgs as the air knife drilled from 0 to 7 feet bgs. A vacuum of less that 2 inches of water was measured at three of the four air knife tests (no effect at test 1). That is, the air knife exerted a net purging effect on soil gas at 12 feet bgs. For two of the three tests where pressure effects were observed, no pressure readings were measured until the air knife was at a depth of 5 feet bgs.

At two of the four air knife tests (tests 2 and 4), soil gas concentrations were high enough to assess the potential effects of the air knife. At test number 4, PCE soil gas

concentrations were not affected by the air knife. For test number 2, PCE soil gas concentrations did not appear to be affected by the air knife. For test number 2, Freon 113 soil gas concentrations decreased slightly after air knife drilling; however, soil gas concentrations re-equilibrated to predrilling concentrations in less than 1 hour.

At three of the four tests, oxygen concentrations did not appear to be affected by the air knife. However, the percent oxygen may have been reduced by the air knife at test number 3. Even after 4 days, oxygen concentrations did not increase. A clear relationship between lithology and air knife effects was not observed.

The results of these tests suggest that the air knife can be applied to additional soil gas sampling in the future. The Jacobs Team and regulators discussed a safe equilibration time between air knife drilling and soil gas collection. At a 20 June 1994 meeting, the team concluded that a re-equilibration time buffer of 2 days should be maintained (Jacobs, 1994e).

4.2 Methanol Sample Preservation Comparison Results

An objective of the Soil Gas Survey was to evaluate the use of a methanol preservation method for soil samples. Methanol preservation was the standard method used for soil samples for the field investigation. This method was employed to reduce the loss of VOCs prior to sample analysis. To evaluate the methanol preservation method, double soil volumes were collected for 10 samples. At these locations, one soil sample was prepared using methanol preservation and a second (duplicate) sample was prepared using the capped sleeve method.

Various differences were observed in the comparison of results for the two types of soil sample preservation methods used in the Soil Gas Survey. In general, for samples with lower contaminant concentrations (below the detection limit for methanol preserved samples), results were only reported for the capped sleeve samples because the detection limits for the methanol preservation method were too high to detect the lower

levels. For the one sample with an elevated contaminant concentration, the methanol-preserved sample was observed to have a higher concentration than the capped sleeve sample.

The differences observed in the preservation method comparison are based on a relatively small number of samples. The general trends observed in the Soil Gas Survey could be significantly different if the comparison was performed for a larger group of samples. In addition, the differences observed between the sample results could be due to soil variability. As suggested by the Department of Toxic Substances Control (DTSC), the Base Realignment and Closure (BRAC) Cleanup Team (BCT) should collectively gather additional data. The Phoenix-Goodyear Airport and Indian Bend Wash, both National Priorities List (NPL) sites, used methanol preservation of soils and may be good sources of data.

4.3 Evaluation of Sample Results

The Soil Gas Survey sample results indicate that several areas within Site 24 and Site 25 may be possible VOC source areas for groundwater contamination. This subsection provides evaluations of sample results and describes the possible VOC source areas identified from the sample results.

The highest measured halogenated hydrocarbon and petroleum hydrocarbon (aromatic hydrocarbons and TPH) concentrations were generally not found at the same locations during the Soil Gas Survey. Therefore, separate discussions are provided for these two classes of hydrocarbons. Subsection 4.3.1 provides a discussion of the locations where halogenated hydrocarbons were the predominate contaminants found. Locations with primarily aromatic hydrocarbons and total petroleum hydrocarbons present in soil gas and/or soil are discussed in Subsection 4.3.2.

4.3.1 Halogenated Hydrocarbons

Halogenated hydrocarbons were detected at various locations within Site 24 and Site 25 during the Soil Gas Survey. These areas may represent source areas for the halogenated hydrocarbons detected in groundwater in the southwest portion of MCAS El Toro.

The highest concentrations of halogenated hydrocarbons in soil gas and soil are primarily located at and around Buildings 296, 297, and 324. The refurbishing operations present on-Station during the 1940s were centered in these three buildings. The extent of this area, herein referred to as the Main Soil Gas Source Area, is shown in Figure 4-1. The boundary of the Main Soil Gas Source Area shown in this figure encompasses the locations around Buildings 296, 297, and 324 where TCE, PCE, carbon tetrachloride, 1,1-DCE, 1,2-DCE, and Freon 113 were detected in soil gas above the CRDL. These compounds were found to have varying distributions within the Main Soil Gas Source Area and, therefore, there is a high likelihood that multiple source areas exist within this area. Based on the compounds detected, concentration ranges measured, and site characteristics, six subareas have been identified within the Main Soil Gas Source Area (refer to Figure 4-1). At each of these subareas, at least one halogenated hydrocarbon was detected in soil gas at a concentration of greater than 10 ug/L-v, or at least two halogenated hydrocarbons were detected in soil gas (above CRDL).

In addition to the six subareas within the Main Soil Gas Source Area, 12 other possible shallow VOC source areas have been identified in the southwest quadrant of MCAS El Toro. These 12 areas represent a single sample station or a definable grouping of sample stations where at least one halogenated hydrocarbon was detected in soil gas at a concentration of greater than 10 ug/L-v, or at least two halogenated hydrocarbons were detected in soil gas (above CRDL). Any geographically isolated sample station (e.g., not located

within the Main Soil Gas Source Area) with only one halogenated hydrocarbon detected at a low concentration (<10 ug/L-v) was not identified as a source area.

The locations of the 18 possible source areas (6 subareas within the Main Soil Gas Source Area and 12 other source areas) in the southwest quadrant of the Station are shown in Figure 4-1. Table 4-1 provides a summary of the halogenated hydrocarbons detected in soil gas and soil samples at each of these areas during the Soil Gas Survey. Table 4-1 also provides information on the VOCs detected during the Phase I RI in groundwater at or downgradient from the possible source areas.

The 18 possible source areas have been classified into four qualitative categories according to the maximum halogenated hydrocarbon concentration measured in soil gas within each area. Descriptions of the criteria for each of the four categories, along with the possible source areas within each category, are provided below:

- Category 1 (Maximum Halogenated Hydrocarbon Concentration in Soil Gas > 100 ug/L-v)

  Category 1 includes areas in the southwest quadrant of the Station that had the highest soil gas concentrations. A total of five possible source areas fall into Category 1. These locations are considered to have the greatest potential to be a source of halogenated VOCs in groundwater.

  This category has been subdivided into locations where halogenated hydrocarbons were detected in soil samples (Category 1A), and locations where no halogenated hydrocarbons were detected in soil samples (Category 1B).

Category 1A (maximum halogenated hydrocarbon concentration in soil gas > 100 ug/L-v, halogenated hydrocarbons detected in soil samples) includes the following three locations:

- Area Inside South Portion of Building 296 (Area Number 1A-1)
- Area Southeast of Building 296 (Area Number 1A-2)
- Area Inside Building 297 (Area Number 1A-3)

Category 1B (maximum halogenated hydrocarbon concentration in soil gas > 100 ug/L-v, halogenated hydrocarbons not detected in soil samples) consists of the following two possible source areas:

- Area Outside East Corner of Building 297 (Area Number 1B-1)
- Area Northwest of Building 655 (Area Number 1B-2)

o Category 2 (Maximum Halogenated Hydrocarbon Concentration in Soil Gas $\geq$ 50 and < 100 ug/L-v)

A total of four locations had moderate ($\geq$ 50 and < 100 ug/L-v) concentrations of halogenated hydrocarbons detected in soil gas. The concentrations detected at these locations indicate that contaminants present may have the potential to affect groundwater.

This category has been subdivided into locations where no soil samples were collected (Category 2A), and locations where no halogenated hydrocarbons were detected in soil samples (Category 2B).

Category 2A (maximum halogenated hydrocarbon concentration in soil gas ≥ 50 and < 100 ug/L-v, no soil samples collected) includes two possible source areas:

- Drainage Channel Southeast of Building 296 (Area Number 2A-1)
- Agua Chinon Wash (South Reach) (Area Number 2A-2)

Category 2B (maximum halogenated hydrocarbon concentration in soil gas ≥ 50 and < 100 ug/L-v, halogenated hydrocarbons not detected in soil samples) includes two possible source areas:

- East End of RI Site 8 (Area Number 2B-1)
- Southwest of Site 8 (Area Number 2B-2)

o Category 3 (Maximum Halogenated Hydrocarbon Concentration in Soil Gas ≥ 10 and < 50 ug/L-v)

A total of five locations had low (≥ 10 and < 50 ug/L-v) concentrations of halogenated hydrocarbons in soil gas samples. Halogenated hydrocarbons were not detected in the soil samples collected at these locations. These locations are not considered to have as high potential of affecting groundwater as Category 1 and 2 areas. Category 3 locations include the following:

- Area Between RI Site 9 and Building 435 (Area Number 3-1)

- Area Around Buildings 324 and 326 (Area Number 3-2)

- Area Northeast of Building 800 (Area Number 3-5)

- Area in Northeast Portion of Building 296 (Area Number 3-3)

- Area Southwest of Building 295 (Area Number 3-4)

o Category 4 (Maximum Halogenated Hydrocarbon Concentration in Soil Gas < 10 ug/L-v)

A total of four locations in Site 24 had halogenated hydrocarbons in soil gas detected at low levels near the detection limit. Halogenated hydrocarbons were not detected in soil samples collected at these locations. Of the four possible source area categories, Category 4 locations are considered to have the lowest potential of affecting groundwater. Category 4 locations include the following:

- Abandoned Metal Plating Sewer Lines (Area Number 4-1)
- Abandoned Well #4 (Area Number 4-2)
- Area Northwest of Building 295 (Area Number 4-3)
- East End of Building 359 (Area Number 4-4)

4.3.2 Aromatic Hydrocarbons and Total Petroleum Hydrocarbons

Elevated concentrations of aromatic hydrocarbons and TPH were generally found in locations separate from the Main Soil Gas Source Area for halogenated hydrocarbons. Aromatic hydrocarbons and TPH were found at elevated levels in soil gas and soil samples at five primary locations in Site 24:

o Bee Canyon Wash

o SWMUs/AOCs 175 and 176 (OWS and UST located in southeast portion of Site 24; refer to Plate 2)

- SMWU/AOC 145 (UST located in west portion of Site 24; refer to Plate 2)
- South Side of Building 435
- Tarmac Area South of Buildings 296 and 297

Table 4-2 provides a description of these five locations and a summary of the aromatic hydrocarbons and TPH detected in soil gas and soil samples at these locations during the Soil Gas Survey.

4.4 Recommendations

The following subsections provide a summary of recommendations for the possible VOC source areas identified in the southwest quadrant of the Station and additional general recommendations. Subsection 4.4.1 provides a discussion of the types of recommended further actions for the possible halogenated hydrocarbon source areas; recommended actions at each site are summarized in Table 4-3. Recommendations for aromatic hydrocarbon and TPH locations identified in the Soil Gas Survey are discussed in Subsection 4.4.2 and are summarized in Table 4-2.

4.4.1 Halogenated Hydrocarbons

Fourteen of the 19 possible source areas for halogenated hydrocarbons are recommended for further action based on the evaluation of sampling data. Three basic types of further action and the corresponding source areas for which the investigation is recommended are discussed below. Recommendations for individual source areas identified are summarized in Table 4-2.

- Further Investigation of Extent (Vertical and Horizontal) of Contamination

Five of the possible source areas had insufficient sampling data to characterize the vertical and horizontal extent of contaminants in soil gas and soil. It is recommended that further investigation to evaluate the vertical and horizontal extent of contamination be performed. These five areas include:

- Area Southeast of Building 296 (Area Number 1A-2)
- Area Inside Building 297 (Area Number 1A-3)
- Drainage Channel Southeast of Building 296 (Area Number 2A-1)
- Agua Chinon Wash (South Reach) (Area Number 2A-2)
- Abandoned Metal Plating Sewer Lines (Area Number 4-1)

o Further Investigation of Vertical Extent of Contamination

At seven of the possible source areas, the horizontal extent of contaminants in the vadose zone was relatively well-defined during the Soil Gas Survey; however, an increase in TCE soil gas concentrations with depth indicates that contaminants may extend deeper (i.e., higher concentrations observed in the deep samples). It is recommended that further investigation of the vertical extent of contaminants in soil gas and soil at these locations be performed. These areas include:

- Area Inside South Portion of Building 296 (Area Number 1A-1)

- Area Outside East Corner of Building 297 (Area Number 1B-1)
- East End of RI Site 8 (Area Number 2B-1)
- Between RI Site 9 and Building 435 (Area Number 3-1)
- Around Building 324 and 326 (Area Number 3-2)
- Area in Northeast Portion of Building 296 (Area Number 3-3)
- Abandoned Well #4 (Area Number 4-2)

o Further Investigation of Horizontal Extent of Contamination

At two of the possible source areas (Area northwest of Building 655 [Area Number 1B-2] and southwest of Site 8 [Area Number 2B-2]), the horizontal extent of contaminant distribution was not adequately characterized. For these locations, additional soil gas and soil samples are recommended to delineate the horizontal extent of contamination in the vadose zone. During the field investigation, if sample results indicate contaminants extend deeper, additional sampling to characterize the vertical extent of contaminant distribution can be performed.

o The remaining four locations that had halogenated hydrocarbons detected in soil gas samples are recommended for no further investigation. Note that both EPA and DTSC have recommended further investigation at these areas. Also, the CLEAN II team has plans to further investigate these areas during the Phase II RI. These locations consist of the following:

- Area Southwest of Building 295 (Area Number 3-4)
- Area Northeast of Building 800 (Area Number 3-5)
- Area Northwest of Building 295 (Area Number 4-3)
- East End of Building 359 (Area Number 4-4)

These locations were classified as Category 3 or 4 and, based on the relatively low concentrations of halogenated hydrocarbons in soil gas, have the lowest potential to affect groundwater of the possible source areas identified in the Soil Gas Survey. Rationale for the recommendation of no further investigation for each location is provided in Table 4-1.

4.4.2 Aromatic Hydrocarbons and Total Petroleum Hydrocarbons

Aromatic hydrocarbons and TPH were detected in soil gas and/or soil samples at five primary locations in Site 24. Recommended further actions for the five locations with aromatic hydrocarbons and TPH are summarized below and also in Table 4-2.

o For Bee Canyon Wash, it is recommend that the horizontal and vertical extent of aromatic hydrocarbons, TPH, and 1,1-DCE in soil gas and soil be evaluated. A possible source of contamination found may be the OWS system located on the east bank of the wash. It is recommended that the integrity of the OWS/UST system be evaluated.

o For the locations with a UST and/or OWS (SWMU/AOC 145 [UST] and SWMUs/AOCs 175 [OWS] and 176 [UST]), the following further actions are recommended:

- Discontinue storage activities and remove UST/OWS systems

- Conduct further investigation to characterize the vertical and horizontal extent of contamination, including if contamination has reached groundwater (aromatic hydrocarbons and TPH were not detected in Phase I RI groundwater monitoring)

Because aromatic hydrocarbons and TPH are the primary contaminants at these locations, it is recommended that the further actions be conducted under the Station's tank program or addressed as part of base closure. These locations are not recommended for inclusion in the RI being conducted at the Station.

o For the tarmac area south of Buildings 296 and 297, it is recommended that low levels of aromatic hydrocarbons and TPH in soil gas be further evaluated (i.e., define vertical and horizontal extent) as part of the investigations at the Main Soil Gas Source Area.

Because aromatic hydrocarbons and TPH were not detected in groundwater in the southwest quadrant of the Station during the Phase I RI, the aromatic hydrocarbons and TPH present at this location have apparently not reached groundwater.

o For the area at the south side of Building 435, only low levels of aromatic hydrocarbons and TPH, and PCE were detected in soil gas, but concentrations increased with depth. This may indicate that deeper contamination exists. Therefore, further evaluation of the extent of aromatic hydrocarbons, TPH, and PCE at this location is recommended.

4.4.3 Additional General Recommendations

In addition to the source area-specific recommendations discussed in Subsections 4.4.1 and 4.4.2, the following general recommendations are made for further action in the southwest quadrant of MCAS El Toro:

- Include Freon 113 as an analyte for all media during the Phase II RI investigation.

- Consider installing nested vadose zone soil monitoring wells in the areas of highest concentrations. These wells could be subsequently used for soil vapor extraction.

- Re-evaluate the use of methanol for preservation of soil samples analyzed for VOCs. Determine if method detection limits meet Phase II RI data quality objectives.

Table 4-1
Summary of Possible Halogenated Hydrocarbon Source Areas
MCAS El Toro Soil Gas Survey Technical Memorandum

Area # (a)	Location (b)	Possible Sources	Analytes and General Concentrations Detected by Media				Recommendations
			Soil Gas	TCE Soil Gas Depth Trend	Soil	Round 2 RI Downgradient Groundwater Sampling Results (c)	
Main	Area in and around Buildings 296, 297, and 324	Refurbishing Operations	TCE; PCE; 1,1-DCE; 1,2-DCE; Freon 113; Carbon Tetrachloride	Concentrations generally increase with a few exceptions	TCE and toluene detected	TCE, PCE, and Carbon Tetrachloride	Horizontal extent of halogenated hydrocarbons in soil gas and groundwater is fairly well characterized. Recommend vertical soil gas samples in areas with high soil gas concentrations and increases with depth. See subareas for specific recommendations.
1A-1	Area Inside South Portion of Building 296	Paint and Dope Shops	Freon 113 (>40 ug/L-v [highest hit]); TCE (>500 ug/L-v); No 1,1-DCE=68.1 ug/L-v at 24_SG331; PCE or Carbon Tetrachloride	Concentrations increase with depth	Station ID 24_SG326: TCE=11 ug/kg (28 feet bgs); Station ID 24_SG331: TCE=59-83 ug/kg (12 ft bgs) and 400 ug/kg (28 ft bgs [highest for investigation]); Station ID 24_SG 332: TCE=110 J ug/kg (12 ft bgs).	Wells 07_DGMW72 and 18_BGMW03: TCE (between 50 and 500 ug/L); PCE (between 0.5 and 5 ug/L); Carbon Tetrachloride (< 5 ug/L)	Deeper soil gas and soil borings to water table - look for TCE and Freon 113
1A-2	Tarmac Area Southeast of Building 296	Paint and Dope (preparation of surfaces with liquids) Shops; Stain/liquid drainage area indicated in aerial photographs from 1965, 1970, and 1986.	TCE (>500 ug/L-v); PCE (<5 ug/L-v); Freon 113 (<40 ug/L-v); CT (<2 ug/L-v); 1,1-DCE (<20 ug/L-v).	Concentrations increase with depth, especially at the south corner of Bldg. 296	Station ID 390 (southwest of Bldg. 296), VOCs were not detected in soil samples (11 feet bgs). Station ID 352 (east of Bldg. 296), TCE=110 ug/kg (12 feet bgs); no other soil samples were collected.	Wells 18_BGMW03E,18_PS8, and 07_DGMW72: TCE>50 ug/L, PCE<5 ug/L, Carbon Tetrachloride<5 ug/L.	Based on the trend of higher VOC concentrations in deeper samples and limited soil sampling data available, additional soil gas and soil sampling is recommended. Also, CT, Freon 113, and PCE in soil gas extended into Site 7 Strata 2 and 5.
1A-3	Area Inside Building 297	Operations associated with the former assembly and repair shops in Bldg. 297.	TCE mostly > 50 ug/L-v (>500 ug/L-v at 2 stations); PCE mostly > 1 ug/L-v in NE. half and > 5 ug/L-v in SW. half; 1,1-DCE (E. corner & W. side); CT > 2 ug/L-v along E side of 297; 1,2-DCE > 1 ug/L-v at 2 stations N of bldg.	Concentrations decrease with depth at the E and W corners of Bldg. 297. Concentrations increase with depth at other locations in Bldg. 297.	Soil samples were collected at 3 locations in Bldg. 297 (Station IDs 24_SG317, 319, and 335); VOCs were only detected in soil at Station ID 24_SG335: TCE=81 J ug/kg (12 feet bgs).	Well 18_BGMW03E (directly downgradient): TCE=50-500 ug/L, PCE-0.5-5 ug/L, CT<5 ug/L. Further downgradient wells: Well 10_DGMW77: TCE=50-500 ug/L, PCE=0.5-5 ug/L, CT<5 ug/L; Well 22_DBMW47: TCE=500 ug/L, PCE=.5-5 ug/L, Carbon Tetrachloride=5 ug/L.	Elevated levels of VOCs were detected inside of Bldg. 297, with varying depth trends. Additional soil gas and soil sampling is recommended within structure to characterize the extent of contamination.
1B-1	Tarmac Area Outside East Corner of Building 297	Operations associated with the former assembly and repair shops in Bldg. 297.	Highest TCE (>2000 ug/L-v); 1,1-DCE (>50 ug/L-v); and 1,2-DCE (>5 ug/L-v) detected during investigation Also Carbon Tetrachloride (<2 ug/L-v) and PCE (<5 ug/L-v), TPH and BTEX detected at Station ID 24_SG375	Concentrations decrease with depth at the NE end of Bldg 297. Concentrations increase with depth E of Bldg 297.	Soil samples collected from one location (Station ID 24_SG339); no VOCs were detected. RI Phase I Data: Well 07_DGMW71: TCE=74 ug/kg 1,1-DCE=35 ug/kg at 110 feet bgs in the capillary fringe; TCE=27 ug/kg at 120 feet bgs in the screen interval.	Well 07_DGMW71(at E. corner of Bldg. 297) - TCE (5-50 ug/L); PCE and Carbon Tetrachloride not detected	During RI, TCE detected in soil at Well 71. Recommend deep boring and soil gas. Although TCE conc. decreased w/ depth at NE edge of Bldg, conc. are still high. Horizontal extent of soil gas fairly well defined.

Table 4-1
Summary of Possible Halogenated Hydrocarbon Source Areas
MCAS El Toro Soil Gas Survey Technical Memorandum

Area # (a)	Location (b)	Possible Sources	Analytes and General Concentrations Detected by Media: Soil Gas	TCE Soil Gas Depth Trend	Soil	Round 2 RI Downgradient Groundwater Sampling Results (c)	Recommendations
1B-2	Area Northwest of Building 655	Possible 1970 Channelized Drainage; SWMU/AOCs 198 (Wash Rack), 199 (OWS), and 250 (UST)	PCE>5 ug/L-v (greater than 50 ug/L-v at 1 station [highest in Soil Gas Survey]); TCE concentrations; 1,2-DCE concentrations	Concentrations slightly increase with depth	Soil samples collected at Station IDs 24_SG399 and 423; no VOCs were detected.	Wells 10_DGMW77 and 07_DGMW 91: TCE >5 and <50 ug/L; PCE < 5 ug/L: Carbon Tetrachloride < 5 ug/L	Recommend further evaluation of extent with soil gas. Suggest looking at possible link to RI Site 10 and RFA SWMU/AOCs.
2A-1	Drainage Channel Southeast of Building 296	Drainage from the Tarmac Area Outside the east corner of Building 297 and from Site 7.	Station ID 24_SG245: TCE=79.1 ug/L-v at 15 feet bgs	Only 1 depth sampled.	No soil samples collected	Well 18_PS8: TCE=62.0 D ug/L, PCE=0.6J ug/L, Carbon Tetrachloride=2 ug/L, Chloroform=2 ug/L	Recommend further investigation of horizontal and vertical extent of soil and soil gas along drainage from possible source areas (i.e. Building 296).
2A-2	Agua Chinon Wash (South Reach)	Drainage from the SW Quadrant of the Station, OWS (SWMU/AOC 188)	24_SG311: TCE=53.1 ug/L-v, PCE=1.6 ug/L-v 24_SG302: TCE=3.2 ug/L-v 24_SG312: 1,1-DCE; TFH; toluene; total xylenes 24_SG276: c-1,2-DCE=1.7 ug/L-v 24_SG308: t-1,2-DCE=up to 3.4 ug/L-v	Only 1 depth sampled.	TPH-gas and diesel detected in RI angle borings 18_ACAB224 and 225. Max. TPH-gas 125 mg/kg; Max. TPH-diesel 2,270 mg/kg.	Well 18_BGMW05D: TCE=56.0 ug/L, PCE=25.0 ug/L, 1,2-DCE=5.0 ug/L, Chloroform=0.9J ug/L	Wash is currently being concrete-lined by the City of Irvine. Recommend further investigation of horizontal and vertical extent of soil and soil gas. Recommend that the integrity of the OWS system/UST be evaluated. If leaking, consider removal of UST.
2B-1	East End of RI Site 8	RI Site 8 (DRMO Storage Yard): Stratum 1 - East Storage Yard Stratum 2 - West Storage Yard	TCE up to >50 ug/L-v Carbon Tetrachloride > 1 ug/L-v	Concentrations increase with depth	Soil samples collected from 4 locations; no VOCs were detected.	Wells 08_DGMW73 and 08_DGMW74: TCE>50 ug/L, PCE>5 and <50 ug/L, Carbon Tetrachloride >5 ug/L at well 74 and <5 ug/L at well 73.	Because the concentration of TCE in soil gas is increasing with depth, recommend deeper soil gas and soil at RI Site 8. Horizontal extent of soil gas fairly well defined.
2B-2	Southwest of Site 8 (at southwest border of MCAS El Toro)	Southwest of Site 8 (at southwest border of MCAS El Toro)	VOCs were detected in the 15-foot sample at Station ID 24_SG294: TCE=63 ug/L-v, PCE=1.0 ug/L-v. TCE was detected in the 15-foot samples at Station IDs 24_SG425 (8.0 ug/L-v) and 24_SG292 (3.0 ug/L-v).	Soil gas samples were collected at one depth (15 feet bgs) only.	Nearest soil sample was collected about 100 feet north of the soil gas boring. No VOCs were detected in the soil at this location (Station ID 24_SG425).	18_PS1: TCE=3.0 ug/L RI Site 21: TCE=0.7 to 11.0 ug/L, PCE=ND to 4 ug/L	Only low concentrations of TCE (3-12.6 ug/L-v) and PCE (1.0 ug/L-v) were identified in this area. Site is located at the edge of the Station. Recommend investigating horizontal extent of soil gas on-and off-Station. EPA recommends further investigation.
3-1	Between RI Site 9 and Building 435	RI Sites 9 and 10; Abandoned Well # 2	TCE= >5 ug/L-v (4 borings: 24_SG011, 012, 400, 413) 1,2-DCE=5 ug/L-v (E edge of Site 9) Xylene=1 ug/L-v (E edge of Site 9)	Concentrations increase with depth	Soil samples collected from one boring only Station ID (24_SG400); no VOCs were detected.	Well 09_DBMW45 at RI Site 9: TCE=2,000 ug/L (highest in RI), PCE>5 ug/L, Carbon Tetrachloride>5 ug/L	Area exhibited increasing TCE soil gas depth trend and a downgradient well had the highest TCE concentration in the RI. Therefore, recommend additional borings and soil gas samples to the water table.
3-2	Buildings 324 and 326	Bldg. 324 (Former Engine Overhaul Building); Bldg. 326 (Former Engine Test Cell); SWMU/AOC 95 (HWSA).	TCE<5 ug/L-v, Freon 113<10 ug/L-v (generally); TCE>5 ug/L-v in and around Bldg. 326; Freon 113>10 ug/L-v between Bldgs. 324/326; PCE=1-5 ug/L-v at S end of 326/E end of 324; PCE >5 ug/L-v in small area between 324/326; Low EB/xylenes between 324/326.	Concentrations generally increase with depth	Soil samples collected at 3 locations around Bldg. 326 and at S side of Bldg. 324; no VOCs were detected.	Well 18_PS8 - Compounds detected include: TCE (50-500 ug/L); PCE (0.5-5 ug/L); Carbon Tetrachloride (0.5-5 ug/L).	The highest concentrations of TCE, PCE, and Freon 113 in this area were found between Buildings 324 and 326. Additional soil gas and soil samples to the water table are recommended.

Table 4-1
Summary of Possible Halogenated Hydrocarbon Source Areas
MCAS El Toro Soil Gas Survey Technical Memorandum

Area # (a)	Location (b)	Possible Sources	Analytes and General Concentrations Detected by Media: Soil Gas	TCE Soil Gas Depth Trend	Soil	Round 2 RI Downgradient Groundwater Sampling Results (c)	Recommendations
3-3	Area in Northeast portion of Building 296	Former Assembly and Repair Shops, Propeller Shop, Paint Spray Booth, Strip/Anodizing Tanks, Plating Tanks	TCE mostly <5 ug/L-v (2 Station IDs greater than 5 ug/L-v); 1,1-DCE (1 sample >20 ug/L-v); no PCE, CT, Freon 113	No clear trend, both slight increases and decreases.	Toluene detected at Station ID 24_SG338 (150 ug/kg at 12 feet bgs and 18 ug/kg at 28 feet bgs)	Well 07_DGMW71(at E. corner of Bldg. 297) - TCE (5-50 ug/L); PCE and Carbon Tetrachloride not detected	Relative to the Category 1 and 2 locations, this area is not considered to have a high potential for affecting groundwater. However, deeper soil gas and soil samples are recommended as part of the regional VOC investigation at Buildings 296 and 297.
3-4	Tarmac Area Southwest of Bldg. 295	Aircraft Operations	At Station ID 24_SG372: 15 feet bgs - 1,1-DCE=33.7 ug/L-v; no samples were collected below this sample.	Soil gas samples were collected at one depth (15 feet bgs) only.	No VOCs were detected in soil sample collected at this location (Station ID 24_SG372).	Well 07_DGMW71(at E. corner of Bldg. 297) - TCE (5-50 ug/L); PCE and Carbon Tetrachloride were not detected.	1,1-DCE detected in 15-foot sample located in this area; no VOCs were detected in the soil sample collected. No further investigation is recommended. EPA recommends additional soil gas samples.
3-5	North End of Motor Pool (Northeast of Building 800)(Near S. end of Site 24)	North End of Motor Pool (Northeast of Building 800)	24_SG279: TCE=32 ug/L-v All other Station IDs in this area are TCE <5 ug/L-v.	Soil gas samples were collected at one depth (15 feet bgs) only.	No VOCs were detected in the two soil samples (Station ID 24_SG422) at this location.	Wells 08_DGMW73 and 08_DGMW74: TCE>50 ug/L, PCE>5 and <50 ug/L, Carbon Tetrachloride >5 ug/L at well 74 and <5 ug/L at Well 73.	TCE was detected at low concentrations in soil gas. Therefore, no additional investigation of this area is recommended. EPA recommends additional soil gas sampling east of area along S. Marine Way.
4-1	West of Bldg. 312, Along Abandoned Metal Plating Sewer Lines (Station ID 24_SG219)	Abandoned Metal Plating Sewer Lines	At 20-foot sample: TCE=4.3 ug/L-v, PCE=1.8 ug/L-v Freon 113=17.5J ug/L-v, Carbon Tetrachloride=1.7 ug/L-v. No VOCs detected at 15-feet bgs.	No VOCs were detected at 15 feet bgs, but TCE, PCE, Freon-113, and Carbon Tetrachloride were detected at 20 feet bgs.	No soil samples collected.	RI Site 21: TCE=0.7 to 11.0 ug/L, PCE=ND to 4 ug/L	Various VOCs were detected in the deep sample at one boring only at this location. Although the concentrations were relatively low (<20 ug/L-v), additional investigation of soil gas and soil to determine the extent of VOCs is recommended.
4-2	Abandoned Well #4 (west portion of Site 24) (Station ID 24_SG061)	Releases at abandoned well	TCE=5.5 ug/L-v in 20-feet bgs only.	TCE was not detected at 12 feet bgs, but was detected at 20 feet bgs.	No soil samples collected.	Cross gradient of 18_PS2: TCE=2.0 ug/L	TCE was only detected in the deep sample at one boring at this location. Although the concentration was relatively low (<10 ug/L-v), additional investigation of the soil gas and soil to determine the vertical extent of TCE is recommended.
4-3	Tarmac Area Northwest of Bldg. 295	Aircraft Operations	At Station ID 24_SG367: 15 feet bgs - TCE=1.3 ug/L-v, Xylenes=2 ug/L-v; 30 feet bgs - 1,1-DCE=18.9 ug/L-v. At Station ID 24_SG48: 12 feet bgs - no VOCs detected; 20 feet bgs - 1,1-DCE=15.1 ug/L-v.	TCE was detected in the top sample in one boring only. 1,1-DCE was detected in the deep samples only at two borings.	Nearest soil sample collected was at Station ID 24_SG366 (about 200 feet west); no VOCs were detected in the soil at this locations.	Well 09_DBMW45 at RI Site 9: TCE=2,000 ug/L (highest in RI), PCE>5 ug/L, Carbon Tetrachloride>5 ug/L	1,1-DCE was detected in the deep samples only at two locations in this area. The nearest soil samples were collected about 200 feet from this area. No further investigation is recommended. Note that both EPA and DTSC recommend further investigation.
4-4	East End of Bldg. 359, Adjacent to Former TCE Degreaser	East End of Bldg. 359, Adjacent to Former TCE Degreaser	TCE was detected at low levels (1.0-1.1 ug/L-v) in 15-foot samples.	Soil gas samples were collected at one depth (15 feet bgs) only.	No VOCs were detected in the two soil samples (Station ID 24_SG398) at this location.	RI Site 21: TCE=0.7 to 11.0 ug/L, PCE=ND to 4 ug/L	Only very low TCE in soil gas. No halogenated VOCs were detected in RFA borings. Therefore, no additional investigation of this area is recommended. EPA recommends additional deep soil gas samples.

Table 4-1
Summary of Possible Halogenated Hydrocarbon Source Areas
MCAS El Toro Soil Gas Survey Technical Memorandum

Area # (a)	Location (b)	Possible Sources	Analytes and General Concentrations Detected by Media				Recommendations
			Soil Gas	TCE Soil Gas Depth Trend	Soil	Round 2 RI Downgradient Groundwater Sampling Results (c)	

Legend:

(a) Key to Area Numbers:

Example: 2A-1

First number is the category number (see further description to the right).
Letter indicates soil was sampled. "A" indicates VOCs detected; "B" indicates VOCs not detected.
The last number is an identification number within each category.

Category numbers:
Category 1: Halogenated VOCs detected in soil gas >100 ug/kg-V
Category 2: Halogenated VOCs detected in soil gas > 50 and < or100 ug/kg-V
Category 3: Halogenated VOCs detected in soil gas >10 and < or =50 ug/kg-V

(b) Area number locations are displayed on Figure 4-1. Source areas are displayed on Plate 2.

(c) Groundwater concentrations are from the second groundwater monitoring round (June 1993 to December 1993). See the Draft OU-1 RI Report for a complete list of groundwater data (Jacobs, 1994g). The monitoring well locations are displayed on Plate 2.

Key to Abreviations:

OWS	Oil/Water Separator	CT	carbon tetrachloride
SWMU/AOC	Solid Waste Management Unit/Area of	1,1-DCE	1,1-dichloroethylene
UST	Underground Storage Tank	1,2-DCE	1,2-dichloroethylene
VOC	Volatile Organic Compound	PCE	tetrachloroethylene
HWSA	Hazardous Waste Storage Area	EB	ethylbenzene
EPA	U.S. Environmental Protection Agency	PCE	tetrachloroethylene
DTSC	Department of Toxic Substances	TCE	trichloroethylene
BTEX	benzene, toluene, ethylbenzene, and total xylenes	TPH	total petroleum hydrocarbons

(d) See Table 4-3 for a summary of recommendations.

Table 4-2
Summary of Areas with Aromatic Hydrocarbons and Total Petroleum Hydrocarbons
MCAS El Toro Soil Gas Survey Technical Memorandum

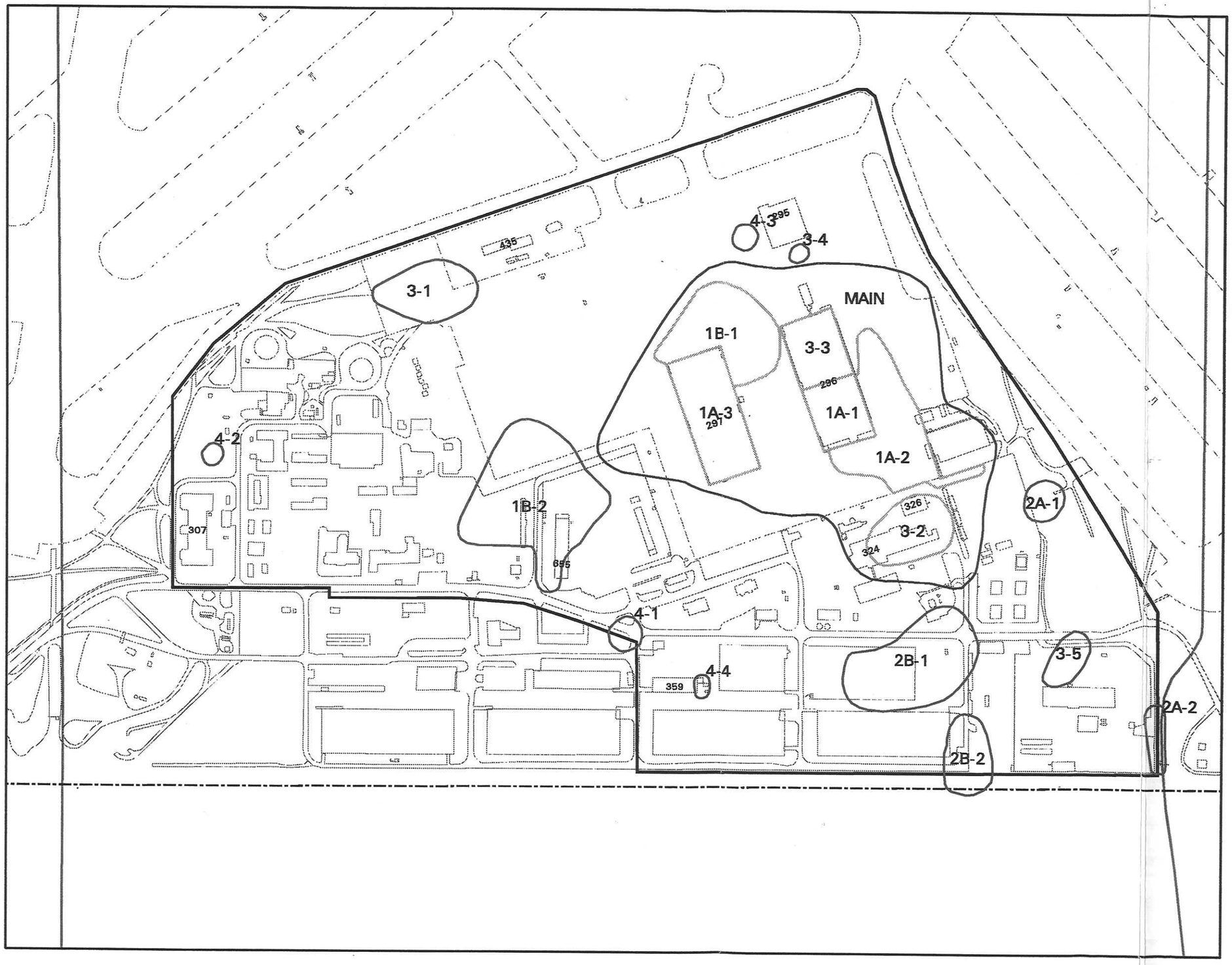
Location	Possible Sources	Analytes and General Concentrations Detected by Media (a)			Recommendations
		Soil Gas	Soil	Depth Trends	
Bee Canyon Wash	Releases to unlined wash/ releases from OWS system	Station ID 24_SG037: TPH = 110 ug/L Toluene = 5.5 ug/L 1,1-DCE = 1.3 ug/L Station ID 24_SG139: TPH = 160 ug/L Toluene = 1.7-7.9 ug/L Total Xylenes = 2.2 ug/L 1,1-DCE = 2.5 ug/L Vinyl Chloride = 5.2 ug/L Station ID 24_SG143: Total Xylenes = 5.9 ug/L	No VOCs detected in soil samples collected in the Soil Gas Survey. During the Phase I RI, results for angle boring 18_BEAB226 at Bee Canyon Wash were: 9' bgs - Toluene = 3J 26' bgs - TFH-diesel=750/1560 ug/kg TFH-gasoline=719/1260 ug/kg	Soil gas samples were only collected at 12 feet bgs at Station IDs 24_SG037 and 139. At Station ID 24_SG143, total xylenes were at 12 feet bgs but not at 20 feet.	Recommend further investigation of horizontal and vertical extent of soil and soil gas. Recommend that the integrity of the OWS system/UST be evaluated. If found to be leaking, consider repair of system/removal of UST (b).
SWMU/AOC 145	UST No. 529 - 25,000-gallon concrete tank - Contents: waste oil - Installed: 1944 - Status: inactive	Station ID 24_SG062: TPH = 120 ug/L Ethylbenzene = 3 ug/L Total Xylenes = 5 ug/L PCE = 1.1 ug/L Station ID 24_SG402: TPH = 350-575 ug/L Total Xylenes = 2.4-7 ug/L Ethylbenzene = 3.3-12.3 ug/L	Station ID 24_SG402: Toluene = 2 J ug/kg Ethylbenzene = 920 ug/kg Total Xylenes = 1,400 ug/kg PCE = 8 J - 120 J ug/kg	In soil , concentrations increased with depth (ethylbenzene, total xylenes, and PCE). In soil gas, concentrations generally increase with depth.	It appears that the UST is the source of contamination at this location. Therefore, it is recommended that the tank be removed and further investigation be performed to determine the extent of contamination.
SWMUs/AOCs 175 and 176	SWMU/AOC 175 - OWS No. 672-A - 400-gallon concrete/steel - Installed: 1982 - Status: active SWMU/AOC 176 - UST No. 672-B - 500-gallon steel - Contents: waste oil - Installed: 1982 - Status: active	Highest concentrations were measured at Station ID 24_SG404: TPH = 6,600-12,300 ug/L Benzene = 68-145 ug/L Toluene = 30-71 ug/L Ethylbenzene = 113-216 ug/L Total Xylenes = 286-565 ug/L High concentrations were also detected at 24_SG265, 474, and 475.	Station ID 24_SG404: Benzene = 220-530 ug/kg Toluene = 43 J - 210 J ug/kg Ethylbenzene = 650-1,200 ug/kg Total Xylenes=2,300-10,000 ug/kg (all detected at original and duplicate samples at 12 feet bgs)	Soil gas concentrations generally decrease with depth.	It appears that the OWS/UST system is the source of contamination at this location. Therefore, it is recommended that the tank be removed and further investigation be performed to determine the extent of contamination.
South Side of Building 435 (Crash Crew Building)	Vehicle maintenance and repair activities at Crash Crew Building. Former UST location at south side of building (Tank No. 435; 1,000-gallon steel diesel tank removed in 1991)	Station ID 24_SG015: TPH = 53.4-115.2 ug/L Toluene = 3.6-9.2 ug/L Ethylbenzene = 2.7-5.7 ug/L Total Xylenes = 2-6.5 ug/L Station ID 24_SG401: PCE = 1 ug/L	No VOCs were detected in the soil sample collected at Station ID 24_SG401. No soil samples were collected at Station ID 24_SG015.	Soil gas concentrations for aromatic hydrocarbons and TPH generally increase with depth. For PCE, only one soil gas sample was collected.	Concentrations detected in soil gas were relatively low, but were found to generally increase with depth, indicating that deeper contamination may exist. It is recommended that further evaluation of the extent of contamination be performed.
Tarmac Area South of Builidngs 296 and 297	Operations associated with the former assembly and repair shops in Buildings 296 and 297	TPH = 82-890 ug/L Toluene = 3.4-108 ug/L Ethylbenzene = 2.9 ug/L Total Xylenes = 1-10.6 ug/L	No VOCs detected in soil samples.	Soil gas collected at 15 feet bgs only.	Due to the proximity of this area to Bldgs. 296 and 297, it is recommended that this area be further evaluated (vertical and horizontal extent of contamination) as part of the investigation at the Main Soil Gas Source Area.

Notes:
(a) Groundwater is not included in this table because aromatic hydrocarbons and TPH were not detected in groundwater in the southwest quadrant of the Station during the Phase I RI.
(b) The Station's NPDES Permit requires the oil/water separator system at Bee Canyon Wash (and Agua Chinon Wash) to remain in operation.

Table 4-3
Summary of Recommendations for Possible Halogenated Hydrocarbon Source Areas
MCAS El Toro Soil Gas Survey Technical Memorandum

Area Number (a)	Location	Further Investigation			No Further Investigation
		Soil Gas			
		Horizontal	Vertical	Soil	
1A-2	Tarmac Area Southeast of Building 296	X	X	X	
1A-3	Area Inside Building 297	X	X	X	
2A-1	Drainage Channel Southeast of Building 296	X	X	X	
2A-2	Agua Chinon Wash (South Reach)	X	X	X	
1A-1	Area Inside South Portion of Building 296		X	X	
1B-1	Tarmac Area Outside East Corner of Building 297		X	X	
2B-1	East End of RI Site 8		X	X	
3-1	Between RI Site 9 and Building 435		X	X	
3-2	Buildings 324 and 326		X	X	
3-3	Area in Northeast portion of Building 296		X	X	
4-1	West of Bldg. 312, Along Abandoned Metal Plating Sewer Lines (Station ID 24_SG219)		X	X	
1B-2	Area Northwest of Building 655	X			
2B-2	Southwest of Site 8 (at southwest border of Station)	X			
4-2	Abandoned Well #4 (west portion of Site 24) (Station ID 24_SG061)	X			
3-4	Tarmac Area Southwest of Bldg. 295				X(b)
3-5	North End of Motor Pool (Northeast of Building 800)				X(b)
4-3	Tarmac Area Northwest of Bldg. 295				X(b)
4-4	East End of Bldg. 359, Adjacent to Former TCE Degreaser				X(b)

Notes:
(a) Area numbers correspond to Figure 4-1.
(b) The Environmental Protection Agency and Department of Toxic Substances Control recommend futher investigation at these areas.



FEATURES:

- MCAS EL TORO BOUNDARY
- SITE BOUNDARY
- WASH OR STREAM
- MAIN SOIL GAS PLUME AREA (APPROXIMATE EXTENT OF VOCs DETECTED IN SOIL GAS IN THE AREA AROUND BUILDINGS 296,297,324, AND 326)
- SUBAREAS WITHIN MAIN SOIL GAS PLUME AREA (APPROXIMATE EXTENT OF VOCs IN SOIL GAS GREATER THAN 10 ug/L)
- APPROXIMATE EXTENT OF VOCs DETECTED IN SOIL GAS IN AREAS OTHER THAN THE MAIN PLUME AREA

1A-2 AREA NUMBER

* FIRST NUMBER IS CATEGORY NUMBER (SEE FURTHER DESCRIPTION BELOW)
* LETTER INDICATES SOIL WAS SAMPLED ("A" INDICATES VOCs DETECTED, "B" INDICATES VOCs NOT DETECTED)
* LAST NUMBER (PRECEDED BY A HYPHEN) IS AN IDENTIFICATION NUMBER WITHIN EACH CATEGORY

CATEGORY NUMBER DESCRIPTIONS:

1: VOCs >= 100 ug/L-V
2: VOCs >= 50 ug/L-V and < 100 ug/L-V
3: VOCs >= 10 ug/L-V and < 50 ug/L-V
4: VOCs < 10 ug/L-V

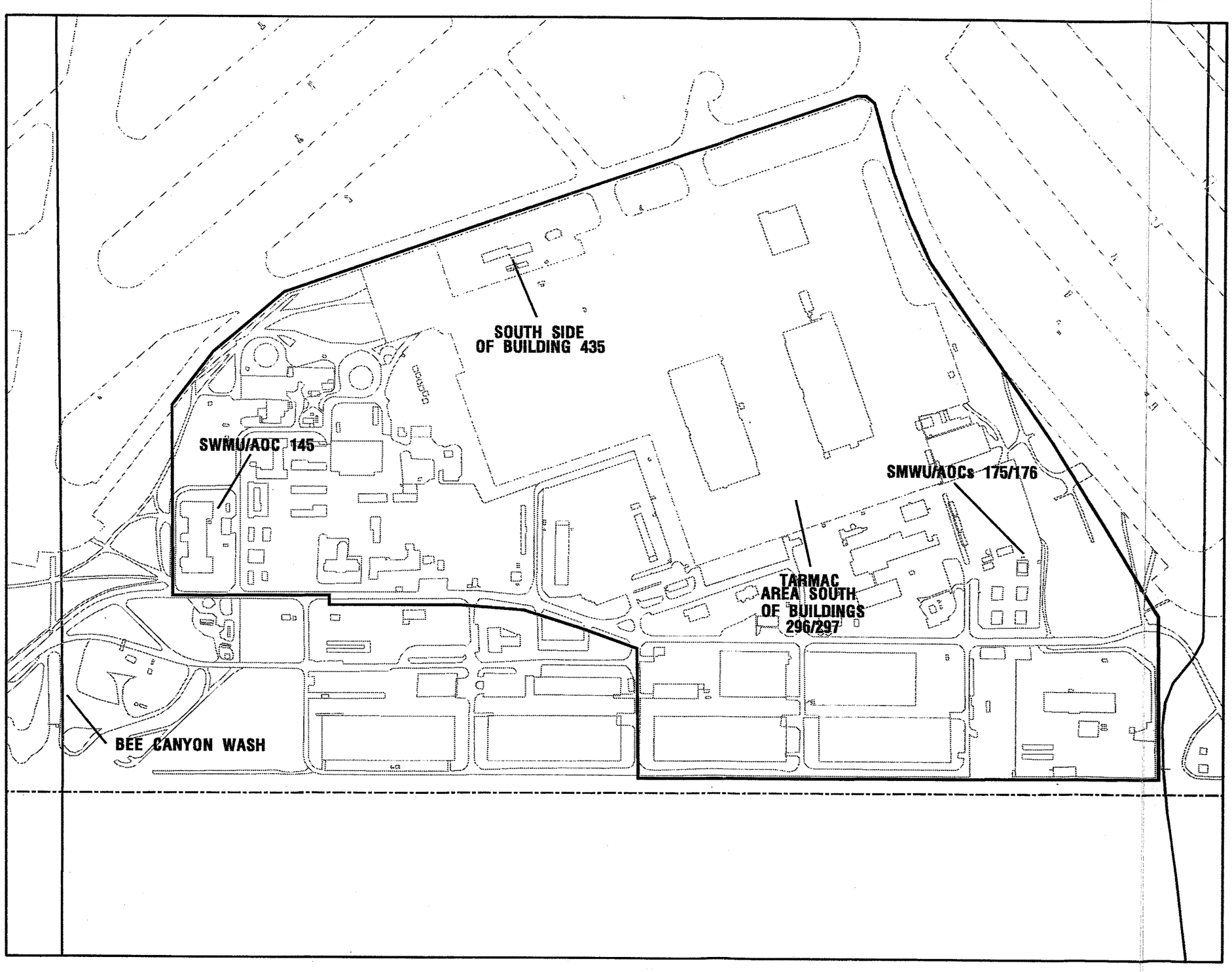
0 225 450 900
SCALE IN FEET

FIGURE 4-1

HALOGENATED HYDROCARBON SOIL GAS SOURCE AREAS

MCAS EL TORO SOIL GAS SURVEY

Plot date: 01 Sep 94 17:38:11 Thursday /gis2/eltoro/plots/soilgas/hhsgsour.GIS



FEATURES:

- MCAS EL TORO BOUNDARY
- SITE BOUNDARY
- WASH OR STREAM

0 225 450 900
SCALE IN FEET

FIGURE 4-2

AREAS WITH AROMATIC HYDROCARBONS AND TOTAL PETROLEUM HYDROCARBONS

MCAS EL TORO SOIL GAS SURVEY

Plot date: 04 Oct 94 10:37:48 Tuesday /gis2/eltoro/plots/soilgas/aropethyd.GIS

5.0 REFERENCES

Jacobs Engineering Group Inc. 1991. *Marine Corps Air Station El Toro. Installation Restoration Program. Draft Phase I Remedial Investigation Quality Assurance Project Plan.* 28 February 1991.

_____. 1992. *Marine Corps Air Station El Toro. Installation Restoration Program. Draft Final Sampling and Analysis Plan Amendment, Volume II.* 26 August 1992.

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_____. 1994b. *Marine Corps Air Station El Toro, El Toro, California. Soil Gas Data.* September 1994.

Appendix A
SOIL BORING LOGS

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE31981.SQ.70	317	1	1

SOIL BORING LOG

PROJECT _____ LOCATION _____

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 10:40 FINISH _____ LOGGER Heidi Hoffmann

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						S1457317 11:00
	12-13	S-1	12"	—	Silt, ML, deep brown, slightly moist, stiff, calc. cement. OVM = 246 ppm.	2 jars SO+SY VOCs 1 jar soil moisture content
15	soil gas sample				- S1456 1617 @ 11:10 OVM = 0.0 ppm (replace tip on soil sampling box).	
20						
25	soil gas sample				S1456 1817 @ 11:45 OVM = 6.7 ppm	
	28-29	S-2	12"	—	Sand, SP, yellow brn, dry, med-coarse, OVM = 4.6 ppm	S1457504 #53+54

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET
SCE31981. SQ.70	323	1 OF 1

SOIL BORING LOG

PROJECT _____ LOCATION _____

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 0845 FINISH 10:40 LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						Soil sample: 51457323 jars · 45+46
	12-13'	S-1	12"	—	Sand, silt, mL, deep brown, 5-10% med sand, v. sl. moist, calc. cement. (fizzes w/ acid), stiff OVM = 1.3 ppm.	
15'	soil	gas	sample		~~51457323~~ @ 0925 (OVM = 1.3 ppm 51456123	
20						
25						
	soil	gas	sample		- 51456123 @ 0935	soil sample 51457503 @ 1010 2 jars 48+47 for VOCs 1 jar for moisture
	28-29'	S-2	12"	—	Sand, SP, yellow brn, dry, med-coarse, dense, no fizz w/ acid, OVM = 1.0 ppm	

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET 1 OF 1
SCE31981.SQ.70	326	

SOIL BORING LOG

PROJECT El Toro MCAS, LOCATION Site 24, Probe #326

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS — START 6/20/94 0925 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10						
	12-14'	S-1	24"	—	Silty sand, SM, deep brown, v. slightly moist, thin vein of secondary clay cement	Sample: 09:40 (S1457326) 2 jars soil + methanol VOCs 1 jar moisture
15	Soil gas sample S1456 1626 09:55					
20						
25	Soil gas sample S1457 1826 @ 10:05					OVM = 3.5 ppm (S1457501) 2 jars w/ methanol #27 + 28 VOCs 2 sleeves capped VOCs 1 jar - soil moisture
	28-30'	S-2	24"	—	Sand, SM, tan, v. slightly moist, fine sand, ~ 10-15% silt, (OVM = 0.8) ppm	

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER 3CE 31981-SQ.70 | BORING NUMBER 330 | SHEET 1 OF 1

SOIL BORING LOG

PROJECT MCAS Soil Gas Survey LOCATION El Toro

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/24/94 FINISH 6/24/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Med to fine sand w/ little Clay • Brown • 0938 • SM	Moderate hammering was required.
20						
30					• Clay with little silt and fine to med Sand. • Brown to dark brown • 1104 • CL	3 steeves were retrieved. Middle and top steeve had Sand w/ clay but the bottom steeve had clay. Extensive hammering was required.
					TD ≈ 30'	

REV 11 89 FORM D1586

CH2MHILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.SQ.70	331	1	1

SOIL BORING LOG

PROJECT El Toro MCAS LOCATION Site 24 / 331

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START ~~1~~14:00 FINISH 16:40 LOGGER Heidi Hoffmann

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-14	S-1	24"	—	Silty sand, SM, fine deep brown, dry, $CaCl_3$ cement,	S1457331 - req. sample. -1450 S1457704 - duplicate S1457703 - MS/MSD S1457700 - methanol blank
15	Soil gas sample				S1456 1631 15:00	
20						
25	Soil gas sample -				S1456 1831	
	28-29'	S-2	12"	—	sandy silt ML, deep brown, v. slightly moist, fine sand, calcareous cement	~~S1457315~~ HH S1457501 2 jars w/ methanol/ba 1 jar w/ no preservative

REV 11/89 FORM D1

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.SQ.70	332	1	1

SOIL BORING LOG

PROJECT El Toro - MCAS LOCATION

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 11:00 FINISH 12:30 LOGGER Heidi Hoffmann

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						Soil Sample - 12-14' S145 7332 @ 11:15
	12-14	S-1	24"	—	sandy silt, ML, dkp brown, slightly moist, calcareous cement, OVM = 0.8 ppm	Jars 29+30 - methanol preserved - VOCs 1 jar - moisture content
15	Soil Gas Sample S145G1632 11:30 - 0.8 ppm					
20						
25	Soil Gas Sample S145G1832 @ 11:35					
	28-30	S-2	24"	—	Sand, SP, light yellow brn, dry, med-coarse, calcite cemented, qtz sand.	Soil sample 28-30' S145 7314 @ 12:10 2 jars 31+32 for VOCs methanol pres. 1 jar moisture content

(8.30)

REV 11/89 FORM 1158

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE71981.SQ.70	335	1	1

SOIL BORING LOG

PROJECT _____ LOCATION _____

ELEVATION _____ DRILLING CONTRACTOR _____

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 10:45 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-13	S-1	12"	—	Silt, ML, deep brown, moist, plastic OVM = 0.5 ppm	S1457335 2 jars #63 + #64, VOCs 1 jar moisture content
15	soil gas sample				S145G1635 @ 11:15 OVM = 3.5 ppm	
20						
25	soil gas sample				S145G1835 @ 11:30 OVM = 0.0 ppm.	
	28-29	S-2		—	sand, SP, yellow brn, dry, med. sand, some gravel, dense also some silt layers. deep brown, moist, plastic OVM = 0.5 ppm	S1457307 2 jar #65 + 66 VOC 1 jar moisture

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE31981.1Q.70	338	1	1

SOIL BORING LOG

PROJECT _____ LOCATION 338

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 14:15 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						Soil samples 12-14'
	12-14	S-1	24"	—	silty clay, CL, deep brown, very stiff, moist	-51457338 jars 67+68 1 soil moisture
15	Soil gas sample				514561638 OVM = 0.5 ppm	-51457508 jars 69+82 1 soil moisture
						-51457509 capped sleeve
20						
25	Soil gas sample				514561838 OVM = 0.0 ppm	
	28-29	S-2	—		Sand, SP, yellow-whitish, dry, does not fizz w/ HCl, cemented, very dense (sandstone!) OVM = 86.5 ppm. HA sample	51457510 2 jars 83+84 VOCs 1 sleeve - soil moisture 51457511 sleeve - VOCs

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE31981.SQ.70	339	1	1

SOIL BORING LOG

ROJECT _____ LOCATION Probe #339 Site 24

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 6/21/94 FINISH 6/21/94 LOGGER Mohammed Khan / Heidi Higgins

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10					• Silty Clay • Dark brown • CL	
15						
20						
	25-13.5	S-2	12"	—	sandy silt, ML, deep brown, v. sl. moist, stiff, no fizz w/ acid - no calc. cement. OVM =	Soil sample: 5145 7551 @ 13:40 2 jars 10 + 9 w/ methanol for VOCs Oven moisture content
25						

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER: SCE 31981.SR.70

BORING NUMBER: 345

SHEET 1 OF 1

SOIL BORING LOG

PROJECT: MCAS El Toro Soil Gas Survey

LOCATION: El Toro

ELEVATION:

DRILLING CONTRACTOR: Target Environmental

DRILLING METHOD AND EQUIPMENT:

WATER LEVELS:

START: 6/21/94 FINISH: 6/21/94 LOGGER: M Klein

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Clay w/ Med to fine ~~Coarse~~ mix sand • Brown • 0856 • SM.	
20					TD ≈ 15'	

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER SCE31981.SQ.70 BORING NUMBER 352 SHEET 1 OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/22/94 FINISH 6/22/94 LOGGER M Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• silty Clay • Dark brown • 1115 • CL	Sample collected @ 12-13' bgs.
20					TD ≈ 15'	

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET 1 OF 1
8CE 31981.3Q.70	36L	

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION MCAS, El Toro

ELEVATION N/A DRILLING CONTRACTOR ~~CONT~~ TARGET

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/22/94 FINISH 6/22/94 LOGGER M. KHAN

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Clay • Dark Brown • 1020	• Needed extensive hammering to reach 12'bgs.
20					TD ≈ 15'	

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET
SCE 31981.SQ.70	372	1 OF 1

SOIL BORING LOG

ROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro # 372

ELEVATION N/A DRILLING CONTRACTOR TARGET

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/22/94 0840 FINISH 6/22/94 LOGGER M. Khan.

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Clay • Dark brown • 0909 • CL	Smooth penetration w/ push rod. Depth of casing was 12-13!
20					TD ≈ 15'	
30						

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET 1 OF 1
SEC 7181.020	373	

SOIL BORING LOG

PROJECT El Toro Soil Gas LOCATION Site 24 Prob 373

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT Hydraulic Probe

WATER LEVELS START 0840 FINISH LOGGER Heidi Slattery

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12.5-13	S-1	12"	—	Silt (ML) dark brown, moist, plastic, OVM = 1.1 ppm	S1457373 jars 56+57
15	soil gas sample				S1456 1673 @ 910 OVM = 0.0	
20						
25	soil gas sample				S1456 1873 0930 OVM = 0.0.	
	28-30'	S-2	24"		Sand, SP, yellow brn, dry, dense, med-coarse sand OVM = 0.5	S1457505 - 58+59 S1457705 - duplicate 60+61 S1457506 - capped sleeve ~~S1457706 - methanol blank~~ #62

CH2M HILL

PROJECT NUMBER SCE 31981.SQ.70 | BORING NUMBER 381 | SHEET 1 OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/23/94 FINISH 6/23/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Med to fine Sand w/ Silt • 0843 • Brown • SM	Probe needed little bit of hammering.
20					TD=15'	

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	
6CE31981 · SQ.70	#388	SHEET 1 OF

SOIL BORING LOG

PROJECT MCAS Eltoro Soil Gas Survey LOCATION MCAS Eltoro, Location #388

ELEVATION N/A DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/21/94 0830 FINISH 6/21/94 0851 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Clay w/ fine Sand • Brown • 0851 • CL	
20					TD ≈ 15'	

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.SQ.70	390	1	1

SOIL BORING LOG

PROJECT MCAS Soil Gas Survey LOCATION El Toro

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/23/94 FINISH 6/23/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Sand w/ Clay • 0940 • Brown • SM	• Collected Sample from 11-13' bgs. Very little hammering of the probe was required
20					TD ≈ 15'	

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET 1 OF 1
SCE 31981.SQ.70	393	

SOIL BORING LOG

PROJECT El Toro MCAS LOCATION Site 24 / Probe 393

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 0830 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-13'	S-1	12"	—	sandy silt, ML, dkp brown, dry, v. slt moist, OVM = 0.5 ppm.	soil sample: 12-13' S1457393 @ 0840 2 jars w/ methanol - VOCs 1 jar moisture content - (#41 + #42)
	soil gas sample S1456 1893 @ 0850 OVM = 0.0 ppm.					
20						
25						
	soil gas sample S1456 1893 @ 0900 OVM = 0.0					
	28-29	S-2	12'	—	silty sand, SM, brown, dry, calcareous cement, dense.	soil sample S1457502 @ 0920 jars 43 + 44

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET 1 OF 1
SCE 31981.SQ.70	39e	

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 0830 6/27 FINISH LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12½-13	S-1	12"	—	sandy silty ML, brown, dry, OVM=0.0ppm.	S1457398 @ 850 jars 85+86 (ju moisture) S1457512 @ 850 capped sleeve.
15	soil gas sample				S145G1698 @ 0910 OVM=0.0ppm.	
20						
25						
	soil gas sample				S145G1898 @ 0920 OVM=0.0ppm	
	28½-29	S-2	12"	—	Silty sand, SM, brown, sl. moist fine-med sand, 20-30% silt, OVM=0.0ppm	S1457513 @ 10:05 Jars 106+107
	BOH=29'					

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE31981.SQ.70	399	1	1

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION Probe #399

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 10:30 FINISH _____ LOGGER Heidi H.

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-14	S-1	15"	—	sandy silt, mc, brown, sl. moist, plastic, fine sand, mica OVM = 23.5 ppm	S145 7399 2 jars 108+109 VOCs 1 jar moisture
15	soil gas sample - S145G1699 @ 11:35					S145 7407 - duplicate 2 jars 110+111 VOCs 1 jar moisture; S145 7408 - 1 jar 112 methanol Blank.
20						
25	soil gas sample				S145G1899 @ 11:45	
	28-29	S-2	12"		sandy silt, mc, brown, sl. moist, plastic, fine sand mica, OVM = 0.6 ppm	S145 7514 @ 12:20 jars 113+114
	TOH = 29'					

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER: SCE 31981. SD.70 31981

BORING NUMBER: 400

SHEET 1 OF 1

SOIL BORING LOG

PROJECT: El Toro Soil Gas Investigation LOCATION: Site 24, Probe 400

ELEVATION: DRILLING CONTRACTOR:

DRILLING METHOD AND EQUIPMENT:

WATER LEVELS: START 1:20 1/29 FINISH: LOGGER: Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						(12-13') Soil sample @ 1335
	12-13	SP	12"	—	silty sand, SM, brown, sl. moist, medium sand, 10-20% silt, OVM = 0.0 ppm	S1457400 jars 138 + 139 VOCs 1 jar moisture
15	soil	gas	sample		S1456 1700 @ 1355 OVM = 0.0 ppm	
20						
25						
	soil	gas	sample		S1456 1900 @ 14:05 OVM = 0.0 ppm	Soil sample (28-29')
	28-29	S-2	12"	—	sandy clay, CL, brown, sl. moist, plastic, OVM = 0.0 ppm	S1457519 @ 14:35 jars 140 + 141 VOCs 1 jar moisture
	BOH = 29'					

(8.30)

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.. SQ70	401	1	1

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION Probe # 401

ELEVATION — DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT Hydraulic probe

WATER LEVELS — START 6/30/99 10:15 FINISH 11:30 LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						SO7 sample 12-14'
	12-14	SC1	24"		sandy silt, ML, brown, Sl. moist, loose, OVM = 4.3 ppm	S1457401 @ 10:15 156+157 VOCs low moisture
11	soil gas sample				S145G1701 @ 10:25 OVM = 0.0 ppm	S1457714 @ 10:10 154+155 VOCs low moisture
						S1457520 @ 10:15 capped sleeve
20						
25						
	soil gas sample				S145G1901 @ 10:30 OVM = 0.0 ppm	S145 7715 - methanol blank
	28-29	5.2	4"	—	sandy silt, ML, brown, slightly moist, OVM = 0.0	S 145 7521 jars 158+159 low moisture

BOH = 29'

low recovery.

12:30

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET 1 OF 1
SCE31981.SQ.70	402	

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION Probe #402

ELEVATION — DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT Hydraulic Probe 6/30/94

WATER LEVELS — START 13:15 FINISH 15:30 LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-13	S-1	12"		silt, ML, brown, sl. moist, OVM = 4.2 ppm	S1457402 @ 13:30 2 jars 161+162 VOCs 1 jar moisture
15	soil gas sample				S1456 1702 @ 13:40 OVM = 5.0 ppm	S1457522 @ 13:30 capped sleeve
20						
25	soil gas sample				S1456 1902 @ 13:50	S1457523 @ 14:30 2 jars 163+164 VOCs 1 jar moisture
	28-29	S-2	12"		silt, ML, brown, sl. moist, stiff OVM = 7.6 ppm	
	BOH = 29					

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE31981.SQ.70	403	1	1

SOIL BORING LOG

ROJECT El Toro Soil Gas Investigation LOCATION Probe 403 Bee Canyon
ELEVATION _____ DRILLING CONTRACTOR Targell Environmental
DRILLING METHOD AND EQUIPMENT Hydraulic Probe
WATER LEVELS _____ START 6/20/04 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12½	S-1	12"	—	silt, ML, brown, sl. moist, stiff OVM = 0.0 ppm	S145 7403 @ 15:45 2 jars 165+166 VOC, 1 jar moisture
15	soil gas sample				S145G 1703 @ 16:00	
20						
25						
	soil gas sample				S145G 1903 @ 16:10 OVM = 0.0 ppm	
	28½	S-2	—	—		S145 7524 @ 2 jars 167+168 1 jar moisture
	BOH = 29'					

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE31981.SQ.70	405	1	1

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION Probe #405, Site 24

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 0830 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-14	S-1	24"		sandy silt, ML, brown, sl. moist, med sand, very dense, OVM = 0.6	S1457405 - jars 117+118 duplicate S1457710 jars 119+120
15	soil gas sample -				S145G1705 @ 0935 OVM = 0.0 ppm.	sleeve - S1457516
20						
25	soil gas sample				S145G1905 @ 0950	S1457517 @ 1120
	28-29	S-2	12"		silt, ML, brown, sl. moist, some med sand layers. Stiff. OVM = 56.8 ppm in sampler	S1457711 - matrix blank

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER SCE 31981.SQ.70 BORING NUMBER 406 SHEET 1 OF 1

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION Probe #406

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 0830 FINISH _____ LOGGER Heidi Hoffman

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						0855
	12-13	S-1	12"	—	silty clay, cl, deep brown, sl. moist, stiff,	soil sample: S145 7406 jars 123 + 125 VOCs 1 jar moisture content
					OVM = 1.7 ppm	
15	soil gas			sample	S145G1706 @ 0920	
20						
25						
	soil gas			sample	S145G1906 @	soil sample: @ 10545
	28-29	S-2		—	silty sand, sm, brown, sl. moist, dense (bottom clayey sand, SC, brown stiff	S145 7518 jars 126+127 1 jar ~~moisture content~~

(8.30)

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER SCG31981.SQ.70 | BORING NUMBER 409 | SHEET 1 OF 1

SOIL BORING LOG

PROJECT El Toro Soil Gas Investigation LOCATION Site 24 #409

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 6/29 11:20 FINISH 6/29 LOGGER Heidi Hoff

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
5						
10						
	12-13'	S-1		—	clayey sand, SC, brown, slightly moist, dense.	Soil sample S1457409 @ 11:
15	soil gas sample - S145G1709 @ 12:00					jars 128 + 129 VOCs 1 jar soil moisture
	BOH = 15'					
20						
25						

REV 11.89 FORM D1586

CH2M HILL

PROJECT NUMBER SCE 31981.SQ-70 | BORING NUMBER 417 | SHEET 1 OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 6/28/94 FINISH 6/28/94 LOGGER M. KHAN

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Med to fine Sand w/ little silt and Clay. • Dark brown • SM • 0843	Smooth pushing of probe and 2' Sampler. Sample collected at 11-13' bgs.
20					TD≈15'	

REV 11 89 FORM D1585

CH2M HILL

PROJECT NUMBER 3CE 31981.SQ.70 BORING NUMBER 418 SHEET 1 OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro,

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/29/94 FINISH 6/29/94 LOGGER M. KHAN

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Clay w/ silt • Dark brown • CL • 1104	Moderate hammering was required to push the pipe to 12-13' bgs.
20					TD ≈ 15' bgs.	

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.SQ-70	419	1	1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/27/94 FINISH 6/27/94 LOGGER M. Rhoades

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Coarse to med Sand w/ Little fine. • light brown • 1044 • SW	Smooth ~~Dri~~ Pushing of probe.
20					TD ≈ 15'	

(8.30)

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER: SCE 31981-SQ.70 | BORING NUMBER: 420 | SHEET 1 OF 1

SOIL BORING LOG

PROJECT: MCAS El Toro Soil Gas Survey | LOCATION: El Toro

ELEVATION: | DRILLING CONTRACTOR: Target Environmental

DRILLING METHOD AND EQUIPMENT:

WATER LEVELS: | START: 6/29/94 | FINISH: 6/29/94 | LOGGER:

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Clay • Dark brown • CL • 1355	Moderate hammering of the probe was required.
20					TD ≈ 15' bgs.	

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.SR.70	421	1	1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 6/29/94 FINISH 6/29/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Silty Clay w/ minor Coarse Sand • Dark brown • CL • 1442	Moderate hammering was required to drive the probe at 12-13' bgs.
20					TD ≈ 15'	

(8.30)

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER		
SCE 31981.SQ.70	422	SHEET 1	OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 6/27/94 FINISH 6/27/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Med to fine sand w/ minor silt and clay. • Light brown • SP • 1036	Extensive hammering was needed to push the probe. Sample collected at 9-11' bgs.
20					TD ≈ 15' bgs.	

CH2M HILL

PROJECT NUMBER: 3CE 31981.3Q.70 | BORING NUMBER: 423 | SHEET 1 OF 1

SOIL BORING LOG

PROJECT: MCAS El Toro Soil Gas | LOCATION: El Toro

ELEVATION: | DRILLING CONTRACTOR: Target Environmental

DRILLING METHOD AND EQUIPMENT:

WATER LEVELS: | START: 6/28/94 | FINISH: 6/28/94 | LOGGER: M. R. Fan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Coarse to med Sand w/ little or no fines. • Light brown • SW • 0928	Little hammering was required to push the probe.
20					TD ≈ 15'	

REV 11 89 FORM D1566

(8.30)

CH2M HILL

PROJECT NUMBER	BORING NUMBER	SHEET	OF
SCE 31981.SR.70	424	1	1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT

WATER LEVELS START 6/27/94 FINISH 6/27/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10						
					• Clay w/ little silt and minor coarse sand • Dark brown • 0955 • CL	Moderate hammering were required.
20						
					TD ≈ 15'	

REV 11/89 FORM D1586

CH2M HILL

PROJECT NUMBER	BORING NUMBER		
SCE 31981.SR.70	425	SHEET 1	OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas Survey LOCATION El Toro

ELEVATION _____ DRILLING CONTRACTOR Target Environmental

DRILLING METHOD AND EQUIPMENT _____

WATER LEVELS _____ START 6/27/94 FINISH 6/27/94 LOGGER M. Khan

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Coarse to med Sand w/little fine • Light brown • 3909 • SN	• Little hammering of the probe was needed. 2' Sampler was retrieved - top sleeve was empty.
20					TD ≈ 15'	

REV 11 89 FORM D1586

CH2M HILL

PROJECT NUMBER 5CE31981.SQ.70 BORING NUMBER 426 SHEET 1 OF 1

SOIL BORING LOG

PROJECT MCAS El Toro Soil Gas LOCATION El Toro

ELEVATION _____ DRILLING CONTRACTOR _____

DRILLING METHOD AND EQUIPMENT Target Environmental

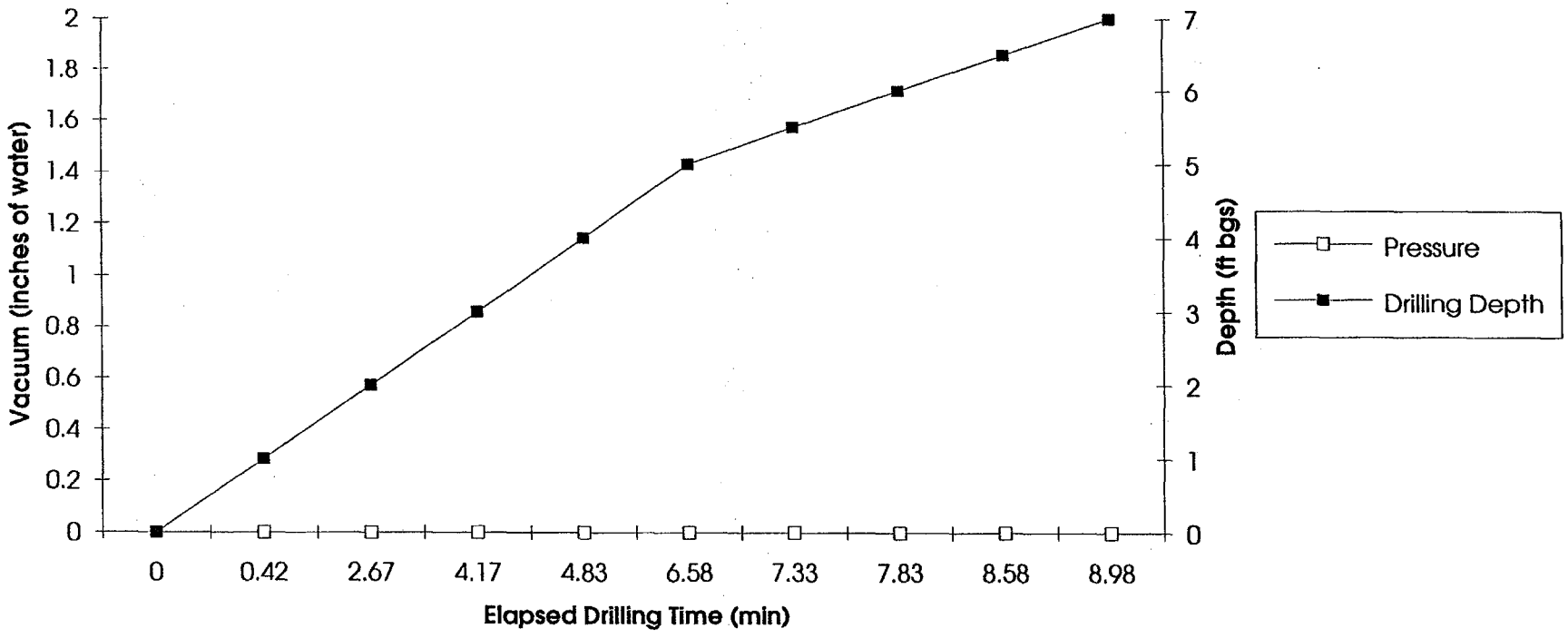
WATER LEVELS _____ START 6/28/94 FINISH 6/28/94 LOGGER M. Khan.

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY (FT)	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
10					• Course Sand with little or no fines • Light brown • SW • 1016	- Collected at 11-13' bgs.
20					• Clay w/ little silt and Sand (med to coarse) • Dark brown • CL • 1038	Collected at 13-16' bgs.
					TD ≈ 18'	

REV 11 89 FORM D1586

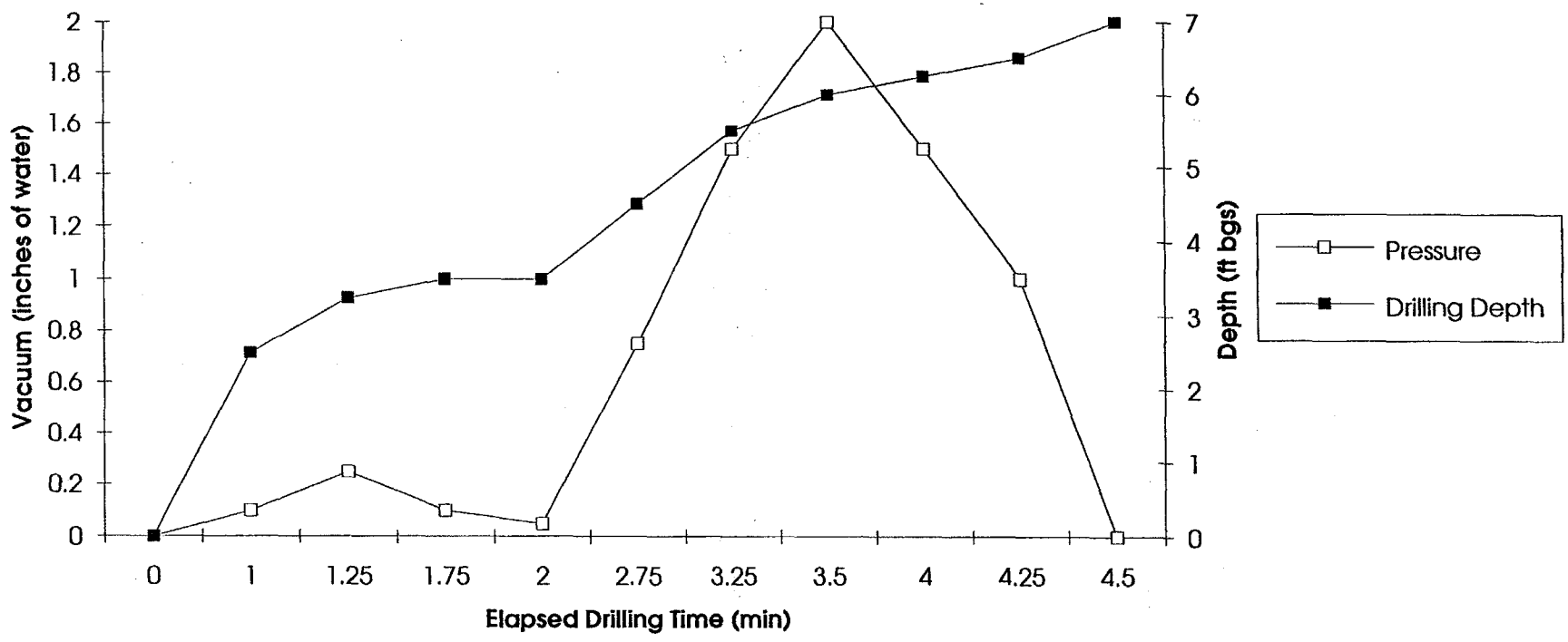
Appendix B
AIR KNIFE GRAPHS

Pressure and Drilling Depth vs. Time
Air Knife Test 1
MCAS El Toro Soil Gas Survey Technical Memorandum



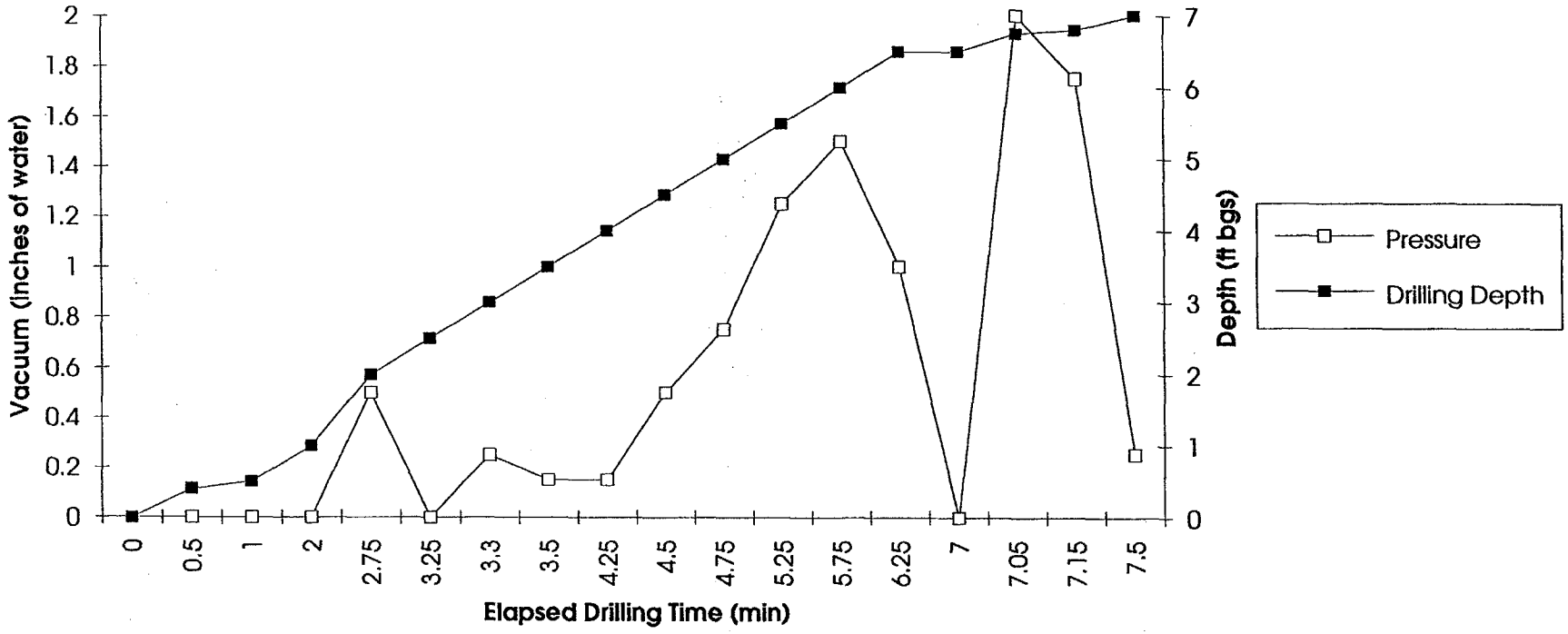
PR_AK1.XLC 8/28/94 12:40 PM

Pressure and Drilling Depth vs. Time
Air Knife Test 3a (Locations 139 (AK) and 37 (HA))
MCAS El Toro Soil Gas Survey Technical Memorandum



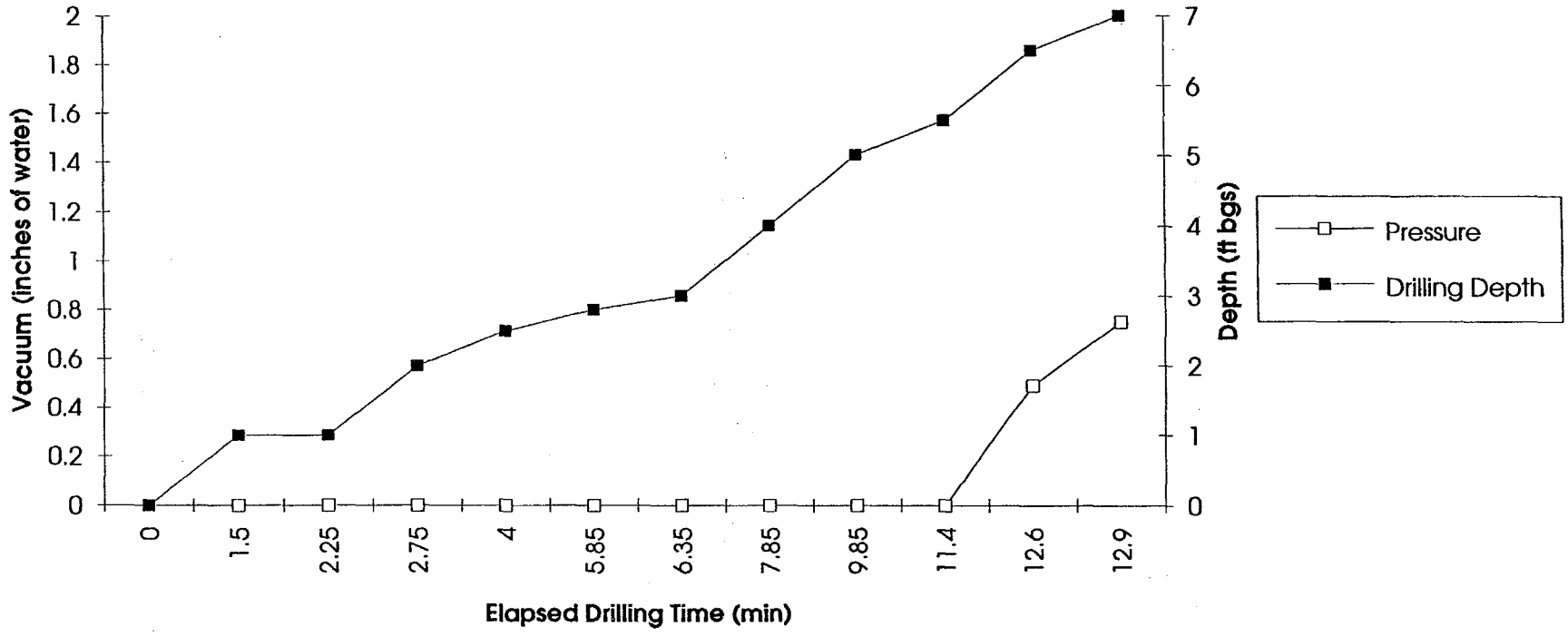
PR_AK3.XLC 8/28/94 12:41 PM

Pressure and Drilling Depth vs. Time
Air Knife Test 3b (Locations 34 (AK) and 37 (HA))
MCAS El Toro Soil Gas Survey Technical Memorandum

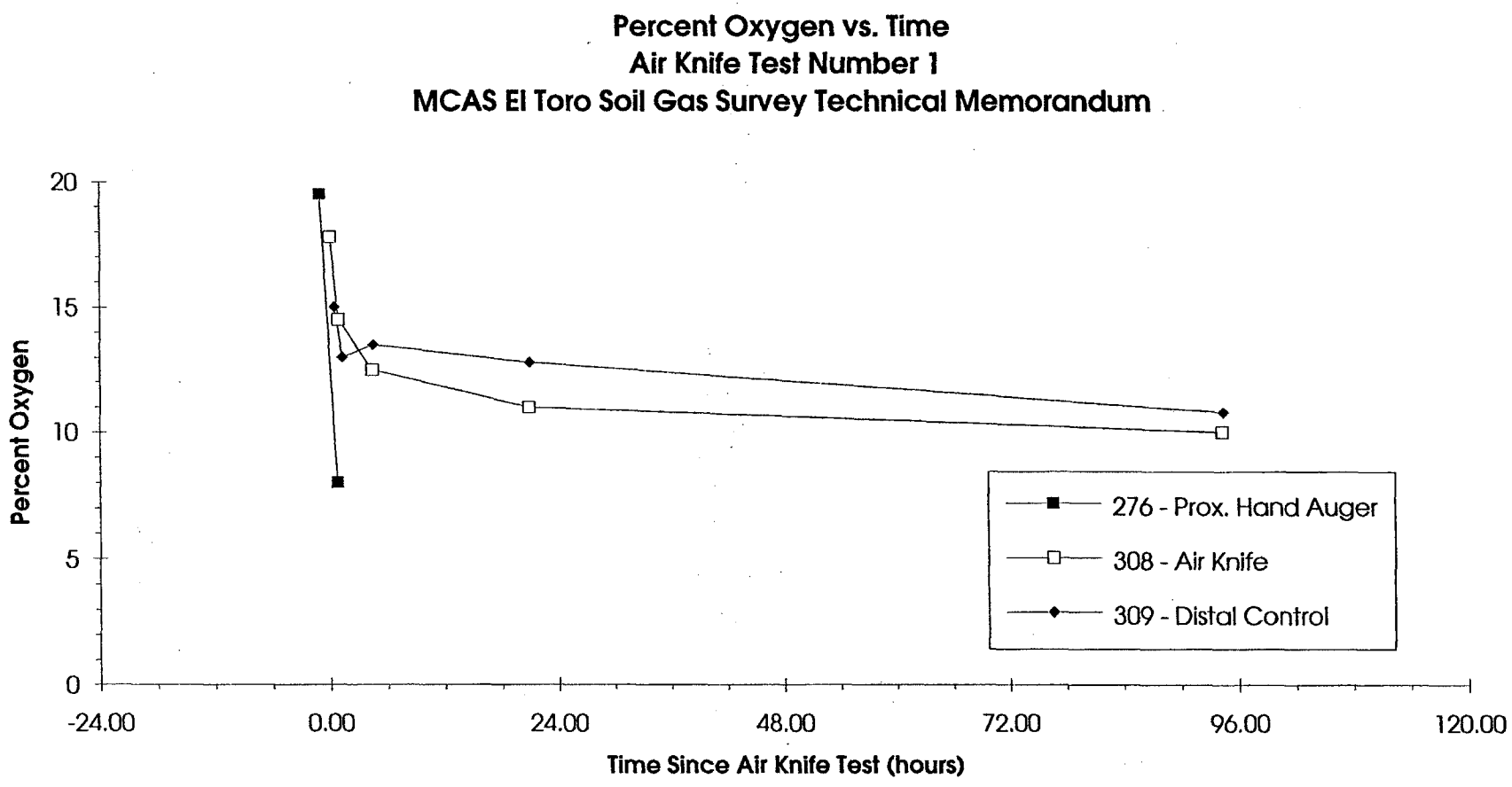


PR_AK3B.XLC 9/1/94 5:21 PM

Pressure and Drilling Depth vs. Time
Air Knife Test 4
MCAS El Toro Soil Gas Survey Technical Memorandum

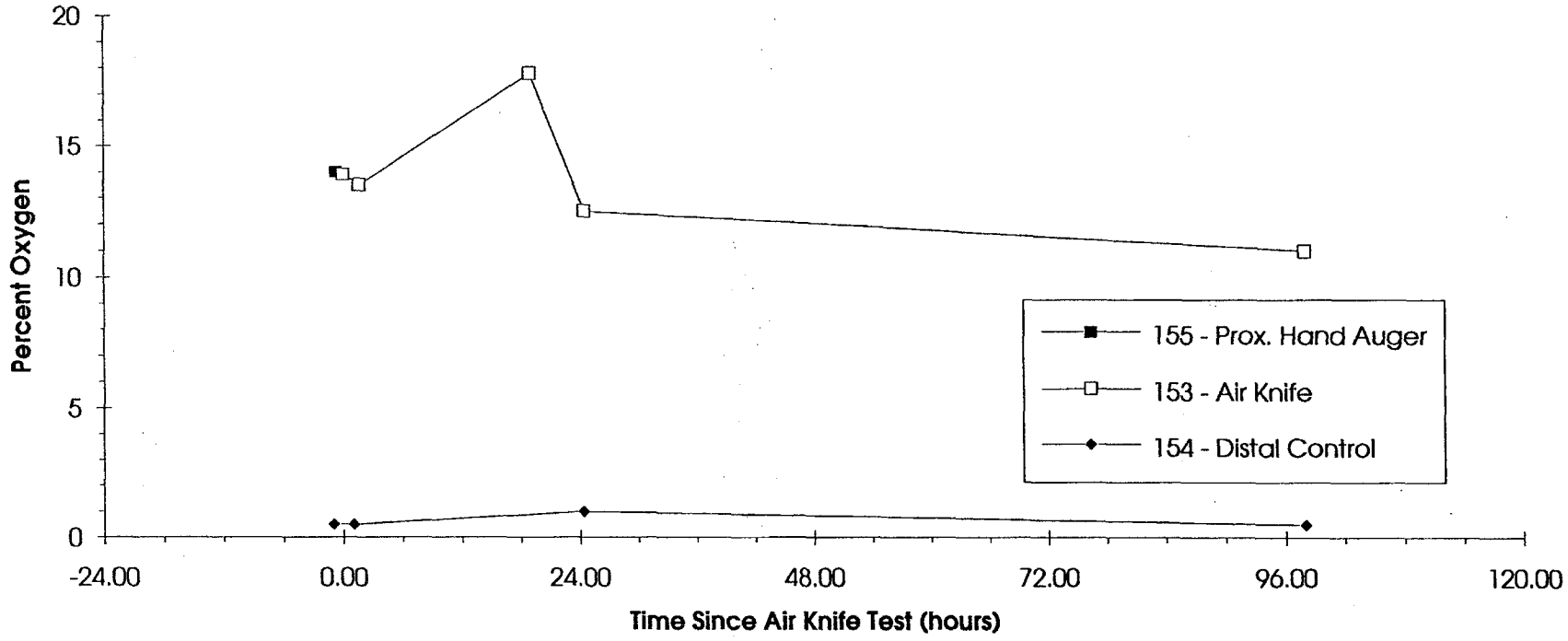


PR_AK4.XLC 8/28/94 12:43 PM



OX_AK1.XLC 8/28/94 12:49 PM

Percent Oxygen vs. Time
Air Knife Test Number 4
MCAS El Toro Soil Gas Survey Technical Memorandum



OX_AK4.XLC 8/28/94 12:49 PM

Appendix C-1
CONCENTRATIONS IN SOIL GAS

Table C-1
Concentrations in Soil Gas
MCAS El Toro Soil Gas Survey Technical Memorandum

Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG001	12	S145G1001	6/8/94	10:28	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG001	20	S145G1301	6/8/94	10:39	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG002	12	S145G1002	6/8/94	9:51	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG002	20	S145G1302	6/8/94	9:59	1 U		1 U		1.1	1.5	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG003	12	S145G1003	6/8/94	11:03	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG003	20	S145G1303	6/8/94	11:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG004	12	S145G1004	6/8/94	13:03	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG004	20	S145G1304	6/8/94	13:13	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG004	20	S145G3059	6/8/94	13:13	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG005	12	S145G1005	6/8/94	13:36	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG005	20	S145G1305	6/8/94	13:43	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG006	12	S145G1006	6/8/94	14:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG006	20	S145G1306	6/8/94	14:14	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG007	12	S145G1007	6/9/94	9:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG007	20	S145G1307	6/9/94	9:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG008	12	S145G1008	6/9/94	10:14	1 U		1 U		1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG008	20	S145G1308	6/9/94	10:26	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG009	12	S145G1009	6/9/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG009	20	S145G1309	6/9/94	11:23	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG009	20	S145G3064	6/9/94	11:23	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG010	12	S145G1010	6/9/94	11:50	1 U		1 U		6.1	3.3	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.1
24_SG010	20	S145G1310	6/9/94	11:56	1 U		1 U		1.1	1 U	1.6	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG011	12	S145G1011	6/9/94	14:01	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG011	20	S145G1311	6/9/94	14:07	1 U		11.5 E	9.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG012	12	S145G1012	6/9/94	8:46	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG012	20	S145G1312	6/9/94	8:51	1 U		12.1 E	10.7 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	7.5	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG013	12	S145G1013	6/9/94	14:28	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG013	20	S145G1313	6/9/94	14:34	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG014	12	S145G1014	6/9/94	15:42	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG014	20	S145G1314	6/9/94	15:48	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG015	12	S145G1015	6/9/94	15:14	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	53.4	1 U	3.6	2.7	2
24_SG015	20	S145G1315	6/9/94	15:19	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	115.2	1 U	9.2	5.7	6.5
24_SG016	12	S145G1016	6/9/94	16:17	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG016	12	S145G3065	6/9/94	16:17	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG016	20	S145G1316	6/9/94	16:21	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG017	12	S145G1017	6/7/94	13:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG017	20	S145G1317	6/7/94	13:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG018	12	S145G1018	6/7/94	11:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG018	20	S145G1318	6/7/94	11:20	1 U		1 U		1.1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG019	12	S145G1019	6/7/94	13:53	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG019	20	S145G1319	6/7/94	13:58	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG020	12	S145G1020	6/7/94	14:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG020	12	S145G3120	6/7/94	14:26	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG020	20	S145G1320	6/7/94	14:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG021	12	S145G1021	6/7/94	14:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG021	20	S145G1321	6/7/94	15:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG022	12	S145G1022	6/7/94	15:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG022	20	S145G1322	6/7/94	15:25	1 U		1 U		1.5	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG023	12	S145G1023	6/7/94	15:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG023	18	S145G1323	6/7/94	15:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG024	12	S145G1024	6/8/94	8:53	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG024	20	S145G1324	6/8/94	9:01	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG025	12	S145G1025	6/13/94	8:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG025	12	S145G3138	6/13/94	8:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG025	20	S145G1325	6/13/94	8:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG026	12	S145G1026	6/13/94	9:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG026	20	S145G1326	6/13/94	9:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG027	12	S145G1027	6/13/94	9:30	1 U		1 U		1.5	1	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG027	20	S145G1327	6/13/94	9:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG028	12	S145G1028	6/13/94	10:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG028	20	S145G1328	6/13/94	10:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG029	15	S145G1029	6/13/94	13:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG030	12	S145G1030	6/13/94	10:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG030	20	S145G1330	6/13/94	10:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG031	12	S145G1031	6/13/94	11:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG031	20	S145G1331	6/13/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG031	20	S145G3139	6/13/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG032	12	S145G1032	6/8/94	11:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1.9	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG032	20	S145G1332	6/8/94	11:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG033	12	S145G1033	6/8/94	13:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG033	20	S145G1333	6/8/94	13:55	1 U		1 U		1.3	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG034	12	S145G1034	6/2/94	11:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG035	12	S145G1035	6/8/94	10:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG035	20	S145G1335	6/8/94	11:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG036	12	S145G1036	6/8/94	13:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG036	20	S145G1336	6/8/94	13:30	1 U		1 U		1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG037	12	S145G1037	6/2/94	10:10	1 U		1 U		1 U	1 U	1 U	2.1 E	1.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	110	1 U	5.5	1 U	1 U
24_SG038	12	S145G1038	6/8/94	10:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG038	20	S145G1338	6/8/94	10:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG038	20	S145G3124	6/8/94	10:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG039	12	S145G1039	6/8/94	13:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG039	20	S145G1339	6/8/94	13:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG040	12	S145G1040	6/8/94	10:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG040	20	S145G1340	6/8/94	10:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG041	12	S145G1041	6/7/94	10:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG041	20	S145G1341	6/7/94	10:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG042	12	S145G1042	6/7/94	10:00	1 U		1 U		1 U	1 U	1.5	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG042	20	S145G1342	6/7/94	10:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG042	20	S145G3118	6/7/94	10:06	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG043	12	S145G1043	6/7/94	9:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG043	20	S145G1343	6/7/94	9:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG044	12	S145G1044	6/4/94	7:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG044	20	S145G1344	6/4/94	7:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG045	12	S145G1045	6/4/94	10:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG045	20	S145G1345	6/4/94	10:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG046	12	S145G1046	6/4/94	8:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG046	20	S145G1346	6/4/94	8:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG047	12	S145G1047	6/4/94	9:40	1 U		3.4		1 U	1 U	1 U	101.1 E	4.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG047	20	S145G1347	6/4/94	9:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG047	20	S145G3038	6/4/94	9:45	1 U		1 U		1 U	1 U	1 U	12.5		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG048	12	S145G1048	6/4/94	8:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG048	20	S145G1348	6/4/94	8:45	1 U		1 U		1 U	1 U	1 U	274 E	15.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG049	12	S145G1049	6/4/94	9:05	1 U		1 U		1 U	1 U	1 U	54.4		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG049	20	S145G1349	6/4/94	9:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG050	12	S145G1050	5/31/94	11:09	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG050	20	S145G1350	5/31/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG051	12	S145G1051	5/31/94	11:44	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG051	20	S145G1351	5/31/94	11:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG052	12	S145G1052	5/31/94	12:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG052	20	S145G1352	5/31/94	12:21	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG053	12	S145G1053	5/31/94	14:17	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG053	20	S145G1353	5/31/94	14:24	1 U		1 U		2	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG054	12	S145G1054	5/31/94	15:22	1 U		1 U		1.3	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG054	12	S145G3014	5/31/94	15:22	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG054	20	S145G1354	5/31/94	15:31	1 U		1 U		1.4	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG055	12	S145G1055	6/1/94	14:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG055	20	S145G1355	6/1/94	14:32	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG056	12	S145G1056	5/31/94	14:46	1 U		1 U		1.2	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG056	18	S145G1356	5/31/94	14:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG057	12	S145G1057	5/31/94	16:13	1 U		1 U		1 U	1 U	1 U	3.5		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG057	20	S145G1357	5/31/94	16:22	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG058	12	S145G1058	5/31/94	16:44	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG058	20	S145G1358	5/31/94	16:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG059	12	S145G1059	6/7/94	16:33	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG060	12	S145G1060	6/7/94	16:03	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG061	12	S145G1061	6/13/94	9:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG061	20	S145G1361	6/13/94	9:51	1 U		5.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG062	12	S145G1062	6/13/94	9:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG062	20	S145G1362	6/13/94	9:22	1.1		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	120	1 U	1 U	3	5
24_SG063	15	S145G1063	6/13/94	14:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG063	15	S145G3074	6/13/94	14:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG064	15	S145G1064	6/13/94	13:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG066	15	S145G1066	6/13/94	14:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG067	15	S145G1067	6/13/94	14:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG068	12	S145G1068	6/7/94	8:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG068	20	S145G1368	6/7/94	8:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG069	12	S145G1069	6/7/94	8:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG069	20	S145G1369	6/7/94	8:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG070	12	S145G1070	6/7/94	9:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG070	20	S145G1370	6/7/94	9:10	1 U		1 U		1 U	1 U	1.2	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG071	12	S145G1071	6/4/94	10:35	1 U		3.3		3.1	1 U	1 U	137.7 E	1.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG071	20	S145G1371	6/4/94	10:40	1 U		1 U		2	1 U	1 U	430 E	6.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG072	12	S145G1072	6/4/94	11:00	1 U		40.9 E	42.6 FI	6	1 U	1 U	158 E	11.9 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG072	20	S145G1372	6/4/94	11:05	1 U		56.8 E	185 FI	9.9	1 U	1.6	431 E	50.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	2	1 U	1 U	1 U
24_SG073	12	S145G1073	6/4/94	11:25	1 U		1 U		1.2	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG073	20	S145G1373	6/4/94	11:35	1 U		33.7 E	20.6 FI	1 U	1 U	1 U	140 E	25.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG074	12	S145G1074	6/3/94	16:15	1 U		2.5		1.6	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG074	20	S145G1374	6/3/94	16:22	1 U		2.6		1 U	1 U	1 U	86.7 E	3.5 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG075	12	S145G1075	6/2/94	16:59	1 U		2.7		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG075	20	S145G1375	6/2/94	17:07	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG075	20	S145G3027	6/2/94	17:07	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG076	12	S145G1076	6/7/94	15:29	1 U		1 U		1 U	1 U	1 U	1.4		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG076	12	S145G3055	6/7/94	15:29	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG077	12	S145G1077	6/7/94	14:53	1 U		1.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG077	20	S145G1377	6/7/94	15:01	1 U		2.3 E	1.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG078	12	S145G1078	6/13/94	8:44	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG078	20	S145G1378	6/13/94	8:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG079	15	S145G1079	6/14/94	8:23	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG080	15	S145G1080	6/13/94	15:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG081	15	S145G1081	6/13/94	13:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG082	12	S145G1082	6/13/94	10:36	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG082	20	S145G1362	6/13/94	10:41	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG083	15	S145G1083	6/13/94	14:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG084	15	S145G1084	6/13/94	15:02	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG085	15	S145G1085	6/13/94	16:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG086	15	S145G1086	6/28/94	13:41	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG088	15	S145G1088	6/13/94	16:12	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG089	15	S145G1089	6/13/94	14:39	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
MCAS El Toro Soil Gas Survey Technical Memorandum

Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG090	15	S145G1090	6/13/94	14:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG091	15	S145G1091	6/13/94	15:05	2.9		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG092	15	S145G1092	6/13/94	15:40	3		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG093	12	S145G1093	6/7/94	8:43	1.3		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG093	20	S145G1393	6/7/94	8:48	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG094	15	S145G1094	6/13/94	16:00	10.7 E	103.4 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG095	15	S145G1095	6/13/94	16:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG095	15	S145G3141	6/13/94	16:21	2.4		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG096	12	S145G1096	6/7/94	9:44	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG096	20	S145G1396	6/7/94	9:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG097	15	S145G1097	6/14/94	8:18	1 U		1 U		1 U	1 U	1 U	1.7		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG098	12	S145G1098	6/2/94	10:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG098	20	S145G1398	6/2/94	10:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG099	12	S145G1099	6/7/94	9:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG099	20	S145G1399	6/7/94	9:20	1 U		1 U		1 U	1 U	1 U	6.9		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG100	15	S145G1100	6/13/94	16:40	1 U		3.9		1 U	1 U	1 U	130 E	19 FI	5 U	1 U	1 U	1 U	1.3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG101	12	S145G1101	6/4/94	15:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG101	20	S145G1401	6/4/94	15:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG102	15	S145G1102	6/14/94	8:49	1.1		8.6 E	6.8 FI	1 U	1 U	1 U	30.4 E	3.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG103	12	S145G1103	6/3/94	10:38	1		11.5 E	5 FI	1 U	1 U	1 U	350 E	2.8 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG103	20	S145G1403	6/3/94	10:44	1.2		14.3 E	6.1 FI	1 U	1 U	1 U	340 E	3.8 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG104	12	S145G1104	6/6/94	10:49	1 U		2.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG104	20	S145G1404	6/6/94	10:55	1 U		5.3		1 U	1 U	1 U	56.7 E	1.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG105	12	S145G1105	6/6/94	13:27	1 U		5.4		1 U	1 U	1 U	25.6 E	1.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG105	20	S145G1405	6/6/94	13:33	1.3		13.2 E	15 FI	1 U	1 U	1 U	60.4 E	4.8 FI	5 U	1 U	1 U	1 U	1 U	1.8	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG106	12	S145G1106	6/3/94	11:10	2.8		46 E	91.2 FI	15	1 U	1 U	450 E	7.1 FI	5 U	1 U	1 U	1 U	1.9	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG106	20	S145G1406	6/3/94	11:16	1 U		27 E	13.9 FI	4.3	1 U	1 U	120 E	2.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG107	12	S145G1107	6/6/94	9:50	1 U		12.3		1.5	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG107	20	S145G1407	6/6/94	9:55	2.3		35.5 E	21.5 FI	1.4	1 U	1 U	56.7 E	1.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG108	12	S145G1108	6/6/94	9:25	3.4 E	2.6 FI	19.3 E	67 FI	1 U	1 U	1 U	40.1 E	4.5 FI	5 U	1 U	1 U	1 U	1 U	4.9	1 U	1 U	10 U	1 U	1 U	1 U	1.6
24_SG108	20	S145G1408	6/6/94	9:30	4 E	3.8 FI	22 E	113.8 FI	1 U	1 U	1 U	68.2 E	9.1 FI	5 U	1 U	1.3	1 U	1.3	6.7	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG109	12	S145G1109	6/6/94	10:40	4.1		45.1 E	51.4 FI	1 U	1 U	1 U	135.4 E	3.7 FI	5 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG109	20	S145G1409	6/6/94	10:50	1 U		5.8		2.1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG110	12	S145G1110	6/3/94	13:56	1		50 E	122.6 FI	6.6	1 U	2.6	250 E	10.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG110	20	S145G1410	6/3/94	14:00	1 U		30 E	18 FI	1.7	1 U	1 U	32 E	1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG111	12	S145G1111	6/6/94	9:00	1.7		16.5 E	31.3 FI	1 U	1 U	1 U	27.3 E	1.4 FI	5 U	1 U	1 U	1 U	1 U	2.2	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG111	20	S145G1411	6/6/94	9:05	2.1 E	1.5 FI	18.2 E	49 FI	1 U	1 U	1 U	25.6 E	1.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG112	12	S145G1112	6/3/94	14:28	1.2		56 E	195.8 FI	6.4	1 U	5	175 E	13.6 FI	5 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG112	20	S145G1412	6/3/94	14:40	3.9		75 E	610.2 FI	16	1 U	11.3	400 E	44.6 FI	5 U	2.1	3.3	1 U	1.7	2.1	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG113	12	S145G1113	6/3/94	15:00	3		55 E	160.4 FI	5.5	1 U	3.7	280 E	15.5 FI	5 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG113	20	S145G1413	6/3/94	15:10	8.8 E	3.6 FI	55 E	174 FI	1 U	1 U	1 U	450 E	22.9 FI	5 U	1 U	1 U	1 U	4.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG113	20	S145G3108	6/3/94	15:11	8.9 E	3.6 FI	55 E	175.6 FI	1.4	1 U	1 U	450 E	22.9 FI	5 U	1 U	1 U	1 U	4.2	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG114	12	S145G1114	6/6/94	8:21	1 U		3.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG114	12	S145G3111	6/6/94	8:20	1 U		8.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG114	20	S145G1414	6/6/94	8:35	4.1 E	3.6 FI	21 E	92.1 FI	1 U	1 U	1 U	135 E	6.1 FI	5 U	1 U	1 U	1 U	3.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG115	12	S145G1115	6/4/94	14:45	1 U		33.9 E	20.4 FI	1 U	1 U	1 U	141 E	19.5 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG115	20	S145G1415	6/4/94	14:55	1 U		39.6 E	35.2 FI	1 U	1 U	1 U	173.8 E	26.6 FI	5 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG116	12	S145G1116	6/4/94	14:15	1 U		4.2		2	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG116	20	S145G1416	6/4/94	14:20	4.5		28.7 E	13 FI	1 U	1 U	1 U	202.7 E	1 FI	5 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG117	12	S145G1117	6/2/94	9:27	1 U		3.8		1 U	1 U	1 U	17 E	2.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG117	20	S145G1417	6/2/94	9:32	1 U		9.1		1 U	1 U	1 U	55 E	7.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG118	12	S145G1118	6/2/94	9:50	1 U		1.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG118	20	S145G1418	6/2/94	9:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG119	12	S145G1119	6/2/94	10:13	1 U		7.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG119	20	S145G1419	6/2/94	10:18	1 U		8.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG120	12	S145G1120	6/1/94	15:19	1 U		4.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG120	20	S145G1420	6/1/94	15:29	1 U		8.3		1 U	1 U	1 U	78 E	8.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG120	20	S145G3018	6/1/94	15:29	1 U		10.6		1 U	1 U	1 U	97 E	10.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG121	12	S145G1121	6/3/94	15:47	1 U		5.6		1 U	1 U	1 U	42.5 E	1.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG121	20	S145G1421	6/3/94	15:53	1 U		10.5 E	4 FI	1 U	1 U	1 U	114.2 E	7.9 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG122	12	S145G1122	6/3/94	10:36	1 U		4.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG122	20	S145G1422	6/3/94	10:43	1 U		8.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG123	12	S145G1123	6/1/94	14:53	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG123	20	S145G1423	6/1/94	14:59	1 U		1.5		1 U	1 U	1 U	150 E	1.5 FI	5 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG124	12	S145G1124	6/6/94	14:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG124	20	S145G1424	6/6/94	14:20	1 U		1.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG125	12	S145G1125	6/3/94	9:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG125	20	S145G1425	6/3/94	9:11	1 U		2.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG126	12	S145G1126	6/3/94	9:36	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG126	20	S145G1426	6/3/94	9:41	1 U		3.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG127	12	S145G1127	6/3/94	10:08	1 U		2.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG127	20	S145G1427	6/3/94	10:13	1 U		4.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG128	12	S145G1128	6/2/94	13:42	1 U		7		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG128	20	S145G1428	6/2/94	13:48	1 U		12.4 E	5.4 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG129	12	S145G1129	6/2/94	16:30	1 U		9.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG129	20	S145G1429	6/2/94	16:39	1 U		10.1 E	4.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG130	12	S145G1130	6/2/94	14:07	1 U		4.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG130	20	S145G1430	6/2/94	14:12	1 U		9.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG131	12	S145G1131	6/3/94	15:13	1 U		17.6 E	7.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG131	20	S145G1431	6/3/94	15:20	1 U		26 E	12.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG131	20	S145G3034	6/3/94	15:20	1 U		28 E	14.4 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG132	12	S145G1132	6/7/94	14:11	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG132	20	S145G1432	6/7/94	14:18	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG133	15	S145G1133	6/15/94	9:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG133	15	S145G3148	6/15/94	9:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG134	12	S145G1134	6/6/94	16:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG134	20	S145G1434	6/6/94	16:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG136	12	S145G1136	6/6/94	16:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG136	20	S145G1436	6/6/94	16:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG137	15	S145G1137	6/15/94	8:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG138	15	S145G1138	6/15/94	8:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG139	12	S145G1139	6/2/94	12:20	1 U		1 U		1 U	1	1 U	2.9 E	2.5 FI	5.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	160	1 U	7.9	1 U	2.2
24_SG139	12	S145G2017	6/2/94	12:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1.7	1 U	1 U
24_SG139	12	S145G2018	6/2/94	17:01	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2.7	1 U	1 U
24_SG139	12	S145G2019	6/3/94	11:55	1 U		1 U		1 U	1 U	1 U	2.6		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG139	12	S145G2020	6/6/94	16:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10.2	1 U	3.6	1 U	1 U
24_SG140	15	S145G1140	6/15/94	8:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG141	12	S145G1141	6/2/94	9:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG141	12	S145G2025	6/2/94	12:28	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG141	12	S145G2026	6/2/94	17:07	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG141	12	S145G2027	6/3/94	11:58	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG141	12	S145G2028	6/6/94	16:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG142	15	S145G1142	6/15/94	8:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG143	12	S145G1143	6/2/94	10:53	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	5.9
24_SG143	20	S145G1443	6/2/94	11:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG144	15	S145G1144	6/14/94	9:02	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG145	15	S145G1145	6/13/94	16:51	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG146	15	S145G1146	6/14/94	10:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG147	15	S145G1147	6/14/94	9:26	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG148	15	S145G1148	6/14/94	10:21	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG149	15	S145G1149	6/14/94	9:56	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG150	15	S145G1150	6/14/94	11:22	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG151	15	S145G1151	6/14/94	13:18	2.9 E	1.8 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG152	15	S145G1152	6/14/94	13:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG153	12	S145G1153	6/2/94	16:07	8.6 E	5 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	4.3	1 U	1 U
24_SG153	12	S145G2033	6/2/94	16:51	8.5 E	5.2 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG153	12	S145G2034	6/3/94	10:05	10.3 E	5.9 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	18	1 U	2.6	1 U	1 U
24_SG153	12	S145G2036	6/6/94	17:00	4.9		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	2.3	1 U	1 U
24_SG153	12	S145G2039	6/3/94	15:27	1 U		2.1		2.4	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG154	12	S145G1154	6/2/94	14:22	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG154	12	S145G2035	6/3/94	15:33	10.5 E	5.8 FI	1.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG154	12	S145G2037	6/2/94	16:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG154	12	S145G2038	6/3/94	10:10	1 U		1 U		3.4	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG154	12	S145G2040	6/6/94	17:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG155	12	S145G1155	6/2/94	15:05	8.3 E	4.6 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG155	20	S145G1455	6/2/94	16:25	8.7 E	5.1 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG156	15	S145G1156	6/14/94	15:10	1.1		1 U		2.7	1	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG157	15	S145G1157	6/14/94	14:35	1 U		1 U		1 U	1 U	1 U	112.4 E	2.2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG157	15	S145G3145	6/14/94	14:36	1 U		1 U		1 U	1 U	1 U	125.6 E	2.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG158	20	S145G1458	6/2/94	14:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG159	15	S145G1159	6/14/94	10:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG160	12	S145G1160	6/6/94	11:25	1.5		13.2 E	27.9 FI	1 U	1 U	1 U	33.9 E	10.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG160	20	S145G1460	6/6/94	11:31	2.2		16.6 E	63.9 FI	1 U	1 U	1.8	57.7 E	24.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG161	12	S145G1161	6/6/94	16:21	2.5 E	1.7 FI	17.4 E	37.7 FI	1 U	1 U	1 U	56.8 E	12.1 FI	5 U	1 U	1 U	1 U	1 U	3.9	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG161	20	S145G1461	6/6/94	16:28	2.9 E	2 FI	18.1 E	45.8 FI	1 U	1 U	1 U	65.7 E	14.6 FI	5 U	1 U	1 U	1 U	1 U	4.1	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG162	12	S145G1162	6/6/94	15:50	1 U		4.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG162	20	S145G1462	6/6/94	15:59	1 U		1.8		1.1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG162	20	S145G3049	6/6/94	15:59	1 U		2.4		1.3	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG163	12	S145G1163	6/6/94	11:40	3.7 E	2.9 FI	20 E	73.6 FI	1 U	1 U	1 U	47.7 E	5 FI	5 U	1 U	1 U	1 U	1 U	5.7	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG163	20	S145G1463	6/6/94	11:45	3.4 E	2.4 FI	19.6 E	68.1 FI	1 U	1 U	1 U	36.4 E	4.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG166	12	S145G1166	6/6/94	14:55	1 U		5.7		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG166	20	S145G1466	6/6/94	15:01	1 U		9.5 E	7.6 FI	1 U	1 U	1 U	106 E	1.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG167	12	S145G1167	6/6/94	15:23	1 U		3.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG167	20	S145G1467	6/6/94	15:28	1 U		1.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG168	12	S145G1168	6/6/94	11:10	4.3		21.4 E	101.9 FI	1 U	1 U	1 U	62.7 E	3.1 FI	5 U	1.6	1 U	1 U	1.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG168	20	S145G1468	6/6/94	11:15	4.5 E	4.6 FI	22.2 E	117.8 FI	1 U	1 U	1 U	66.2 E	3.8 FI	5 U	1.6	1 U	1 U	2.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG168	20	S145G3113	6/6/94	11:16	4.6 E	5.2 FI	22.4 E	127.1 FI	1 U	1 U	1 U	69.3 E	4 FI	5 U	1.7	1 U	1 U	2.3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG169	12	S145G1169	6/6/94	14:45	3.3 E	2.4 FI	18 E	47.9 FI	1 U	1 U	1 U	90.7 E	2.2 FI	5 U	1	1 U	1 U	1.5	3.2	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG169	20	S145G1469	6/6/94	14:50	4.3 E	4.4 FI	21.1 E	96.4 FI	1 U	1 U	1 U	134 E	4.7 FI	5 U	1.5	1 U	1 U	3.6	4.8	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG170	12	S145G1170	6/6/94	14:24	1 U		7.3 E	5.9 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1.3	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG170	20	S145G1470	6/6/94	14:30	2.2 E	1.6 FI	14.8 E	21.1 FI	1 U	1 U	1 U	207.6 E	1.3 FI	5 U	1 U	1 U	1.1 J	3.6	1.3	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG172	12	S145G1172	6/6/94	15:25	3.5 E	2.7 FI	16 E	29 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.6 J	4	1.4	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG172	20	S145G1472	6/6/94	15:30	4 E	3.6 FI	17.7 E	43.2 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	6.2 J	4.8	1.8	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG172	20	S145G3114	6/6/94	15:31	4 E	3.6 FI	17.8 E	43.7 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	6.2 J	4.8	1.8	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG173	12	S145G1173	6/6/94	9:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG173	20	S145G1473	6/6/94	9:51	3.2 E	3.3 FI	17.9 E	84.1 FI	1 U	1 U	1 U	50.9 E	2 FI	5 U	1 U	1 U	1 U	2.3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG174	12	S145G1174	6/6/94	9:07	2.1		14.9 E	39.6 FI	2.2	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1.4	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG174	20	S145G1474	6/6/94	9:13	1 U		9 E	12.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG174	20	S145G3043	6/6/94	9:13	1.2		11.64 E	19.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG175	12	S145G1175	6/6/94	10:12	2.1		12.6 E	24.4 FI	1 U	1 U	1 U	237.6 E	43.8 FI	5 U	1 U	1 U	1 U	2	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG175	20	S145G1475	6/6/94	10:18	1.3		9.8 E	14.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.1 J	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG176	12	S145G1176	6/6/94	8:38	1 U		3.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG176	20	S145G1476	6/6/94	8:44	1 U		4.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG177	12	S145G1177	6/4/94	13:50	4.4		27.6 E	12.2 FI	2.6	1 U	1 U	1 U		5 U	1 U	1 U	1.2 J	2.6	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG177	12	S145G3040	6/4/94	13:50	6.3 E	2.1 FI	31 E	16.5 FI	2.4	1 U	1 U	1 U		5 U	1 U	1 U	1.5 J	3.3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG177	20	S145G1477	6/4/94	13:55	5.7 E	1.9 FI	31.6 E	17.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG178	12	S145G1178	6/4/94	13:20	1 U		3.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	12.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG178	20	S145G1478	6/4/94	13:25	1 U		1.7		1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG179	12	S145G1179	6/2/94	10:35	1 U		11 E	6.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG179	20	S145G1479	6/2/94	10:42	1 U		15 E	10.2 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG180	12	S145G1180	6/2/94	11:02	1 U		8.8		1 U	1 U	1 U	1 U		5 U	1.6	1 U	1.7 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG180	12	S145G3022	6/2/94	11:02	1 U		9.9		1 U	1 U	1 U	1 U		5 U	1.9	1 U	2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG180	20	S145G1480	6/2/94	11:08	1 U		9.9		1 U	1 U	1 U	1 U		5 U	1.5	1 U	1.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG181	12	S145G1181	6/2/94	11:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG181	20	S145G1481	6/2/94	11:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG182	12	S145G1182	6/3/94	11:12	1 U		10.7 E	4.6 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG182	20	S145G1482	6/3/94	11:18	1 U		27 E	15 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG183	12	S145G1183	6/6/94	13:40	1 U		16.9 E	37 FI	1 U	1 U	1 U	1 U		6.3	1 U	1 U	22 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG183	20	S145G1483	6/6/94	13:45	1 U		17.9 E	48 FI	1 U	1 U	1 U	1 U		6.9	1 U	1 U	27.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG184	12	S145G1184	6/3/94	14:20	1 U		50 E	128.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	21.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG184	20	S145G1484	6/3/94	14:26	1 U		52 E	152.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	23.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG185	12	S145G1185	6/2/94	15:44	1 U		36 E	33.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	19.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG185	20	S145G1485	6/2/94	15:49	1 U		46 E	87.8 FI	1 U	1 U	1 U	1100 E	1.2 FI	5 U	1 U	1 U	47.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG186	12	S145G1186	6/3/94	13:51	1 U		25.6 E	12.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG186	20	S145G1486	6/3/94	13:58	1 U		31.1 E	19.6 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG187	12	S145G1187	6/3/94	14:44	1 U		53 E	169.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	26.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG187	20	S145G1487	6/3/94	14:49	1 U		55 E	205.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	30.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG188	12	S145G1188	6/3/94	11:42	1 U		48 E	111.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	8.7 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG188	20	S145G1488	6/3/94	11:48	1 U		55 E	199.9 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	15.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG188	20	S145G3031	6/3/94	11:42	1 U		51 E	146.2 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	11.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG189	12	S145G1189	6/2/94	14:46	1 U		43 E	66.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG189	20	S145G1489	6/2/94	14:51	1 U		47 E	102.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.6 J	1.2	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG190	12	S145G1190	6/2/94	15:14	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG190	12	S145G3025	6/2/94	15:14	1 U		29 E	17.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG190	20	S145G1490	6/2/94	15:20	1.3		57 E	257.8 FI	1 U	1 U	1 U	1.1		5 U	1 U	1 U	24.4 J	2.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG191	12	S145G1191	6/2/94	16:08	1 U		45 E	90.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	15.8 J	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG191	20	S145G1491	6/2/94	16:13	1.3		52 E	179.6 FI	1 U	1 U	1 U	990 E	1.3 FI	5 U	1 U	1 U	32.7 J	2.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG192	12	S145G1192	6/7/94	13:38	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	2.3	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG192	20	S145G1492	6/7/94	13:43	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG193	12	S145G1193	6/7/94	11:48	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG193	20	S145G1493	6/7/94	11:54	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG194	15	S145G1194	6/14/94	14:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG195	15	S145G1195	6/14/94	16:10	1 U		1 U		1.3	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG196	15	S145G1196	6/14/94	15:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG197	15	S145G1197	6/14/94	15:30	1		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG198	15	S145G1198	6/14/94	16:33	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG199	15	S145G1199	6/14/94	14:15	1		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG200	12	S145G1200	6/1/94	14:25	5.1 E	2 FI	1 U		1 U	1 U	1 U	1 U		2.2	1 U	1 U	2.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG200	12	S145G2041	6/1/94	15:15	5		4.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG200	20	S145G1500	6/1/94	16:10	7.4 E	3 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG201	15	S145G1201	6/14/94	13:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG202	15	S145G1202	6/14/94	10:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG203	12	S145G1203	6/6/94	13:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG203	20	S145G1503	6/6/94	14:03	1 U		1 U		1 U	1 U	1 U	186.4 E	6.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG203	20	S145G3047	6/6/94	14:03	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.7 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG204	15	S145G1204	6/14/94	11:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG205	15	S145G1205	6/14/94	13:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG206	15	S145G1206	6/14/94	11:35	1 U		2.1		14.2	1 U	1 U	1 U		5 U	1 U	1 U	4.9 J	1 U	1 U	1 U	1 U	990	1 U	108	2.9	10.6
24_SG207	12	S145G1207	6/10/94	15:20	1.2		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG207	20	S145G1507	6/10/94	15:25	2.4 E	1.5 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG208	12	S145G1208	6/10/94	14:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG208	20	S145G1508	6/10/94	15:00	1.1		1.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG209	12	S145G1209	6/3/94	16:44	1.4		30.4 E	17.4 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	17.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG209	20	S145G1509	6/3/94	16:50	1 U		31 E	19 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	14.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG210	12	S145G1210	6/9/94	11:20	1 U		13.2 E	13.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG210	20	S145G1510	6/9/94	11:30	1 U		15.8 E	24.4 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG210	20	S145G3129	6/9/94	11:31	1 U		14.8 E	18.9 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG211	12	S145G1211	6/9/94	12:00	1.8 E	1.1 FI	9.4 E	6.8 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG211	20	S145G1511	6/9/94	12:05	2.4 E	1.5 FI	13.8 E	15.4 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG212	20	S145G1512	6/1/94	16:45	8.2 E	3.6 FI	7.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	14.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG213	12	S145G1213	6/9/94	10:35	1.5 E	1 FI	2.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	7.7 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG214	12	S145G1214	6/1/94	14:30	6.7 E	2.6 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	10.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG214	12	S145G2013	6/1/94	17:00	6.3 E	2.4 FI	3.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	10.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG214	12	S145G2014	6/1/94	20:05	6.6 E	2.7 FI	4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	10.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG214	12	S145G2015	6/2/94	14:05	5		3.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG214	12	S145G2016	6/4/94	11:55	7.6 E	2.6 FI	4.8 E	1.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	9.7 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG215	12	S145G1215	6/7/94	10:40	1		1 U		1 U	1 U	1 U	275 E	1.8 FI	5 U	1 U	1 U	4.3 J	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG215	20	S145G1515	6/7/94	10:48	1.2		1 U		1 U	1 U	1 U	291 E	2.6 FI	5 U	1 U	1 U	5.8 J	1.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG216	12	S145G1216	6/7/94	11:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG216	20	S145G1516	6/7/94	11:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG216	20	S145G3053	6/7/94	11:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG217	15	S145G1217	6/14/94	14:34	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG218	15	S145G1218	6/14/94	14:56	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG218	15	S145G3079	6/14/94	14:56	1 U		1 U		1 U	1 U	1 U	5.2		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG219	15	S145G1219	6/15/94	10:07	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG219	20	S145G1519	6/9/94	10:43	2.9 E	1.8 FI	4.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	17.5 J	1.7	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG220	15	S145G1220	6/14/94	15:14	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG221	15	S145G1221	6/15/94	10:23	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG222	15	S145G1222	6/15/94	13:26	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG223	15	S145G1223	6/15/94	8:59	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG224	15	S145G1224	6/15/94	9:42	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG225	15	S145G1225	6/15/94	9:18	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG226	15	S145G1226	6/14/94	15:43	1 U		1 U		1 U	1 U	1 U	15.6		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG227	10	S145G1227	6/14/94	16:11	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG228	15	S145G1228	6/15/94	11:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG228	15	S145G3083	6/15/94	11:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG229	15	S145G1229	6/15/94	8:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG230	15	S145G1230	6/15/94	8:38	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG231	12	S145G1231	6/10/94	11:43	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG231	20	S145G1531	6/10/94	11:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG232	12	S145G1232	6/10/94	13:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG232	12	S145G3135	6/10/94	13:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG232	20	S145G1532	6/10/94	13:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG233	12	S145G1233	6/10/94	14:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG233	20	S145G1533	6/10/94	14:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG234	12	S145G1234	6/9/94	15:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG234	20	S145G1534	6/9/94	16:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG235	12	S145G1235	6/10/94	10:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG235	20	S145G1535	6/10/94	10:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG236	12	S145G1236	6/9/94	15:10	1 U		1.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG236	20	S145G1536	6/9/94	15:18	1 U		5.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG237	12	S145G1237	6/10/94	10:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG237	20	S145G1537	6/10/94	10:15	1 U		1.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG238	12	S145G1238	6/9/94	14:35	1 U		2.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG238	20	S145G1538	6/9/94	14:40	1 U		6.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG239	12	S145G1239	6/10/94	9:38	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG239	20	S145G1539	6/10/94	9:45	1 U		2.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG240	12	S145G1240	6/9/94	13:35	2.4 E	1.6 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG240	20	S145G1540	6/9/94	13:40	2.9 E	1.8 FI	2.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG241	12	S145G1241	6/1/94	15:50	3.5		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.7 J	1 U	1 U	1 U	1 U	35	1 U	1 U	3	13.4

Table C-1
Concentrations in Soil Gas
MCAS El Toro Soil Gas Survey Technical Memorandum

Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG241	12	S145G2009	6/1/94	17:02	4.8		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.6 J	1 U	1 U	1 U	1 U	33	1 U	1 U	1.1	5
24_SG241	12	S145G2010	6/1/94	20:13	4.8		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.8
24_SG241	12	S145G2011	6/2/94	14:08	4.1		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG241	12	S145G2012	6/4/94	12:00	6.5 E	2.1 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG242	15	S145G1242	6/29/94	11:59	1 U		1 U		1 U	1 U	1 U	121 E	1.4 FI	8.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	17	1 U	1 U	1 U	1 U
24_SG243	12	S145G1243	6/10/94	9:05	3.9 E	2.9 FI	2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG243	20	S145G1543	6/10/94	9:10	3.3 E	2.2 FI	2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG243	20	S145G3133	6/10/94	9:11	3.5 E	2.4 FI	2.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG244	12	S145G1244	6/9/94	8:19	3.6 E	2.7 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG244	12	S145G3128	6/9/94	8:20	2.1 E	1.3 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG244	20	S145G1544	6/9/94	8:25	3.6 E	2.7 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG245	15	S145G1245	6/16/94	8:34	1 U		13.5 E	79.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG246	15	S145G1246	6/15/94	9:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG247	15	S145G1247	6/15/94	10:12	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG248	15	S145G1248	6/15/94	14:18	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG249	15	S145G1249	6/15/94	10:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG250	15	S145G1250	6/15/94	14:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG251	15	S145G1251	6/15/94	11:10	1 U		1.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG252	15	S145G1252	6/15/94	11:20	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG253	15	S145G1253	6/15/94	13:25	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG254	15	S145G1254	6/15/94	13:40	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG254	15	S145G3150	6/15/94	13:41	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG255	15	S145G1255	6/15/94	10:47	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG256	15	S145G1256	6/15/94	11:07	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG257	12	S145G1257	6/10/94	9:09	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG257	20	S145G1557	6/10/94	9:18	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG258	15	S145G1258	6/15/94	13:48	1 U		1 U		1 U	1 U	1 U	45		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG259	15	S145G1259	6/15/94	14:11	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG260	12	S145G1260	6/10/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG260	20	S145G1560	6/10/94	11:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG261	15	S145G1261	7/1/94	10:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG262	12	S145G1262	6/9/94	9:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG262	20	S145G1562	6/9/94	9:48	1 U		1 U		1.1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG263	12	S145G1263	6/9/94	8:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG263	20	S145G1563	6/9/94	9:14	1 U		1 U		1.1	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG264	15	S145G1264	6/15/94	14:39	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG265	15	S145G1265	6/15/94	15:18	1 U		1 U		1 U	1 U	1 U	10		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10000	121	80	180	448
24_SG265	15	S145G3084	6/15/94	15:18	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	8900	112	71	157	375
24_SG266	15	S145G1266	6/16/94	11:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG267	12	S145G1267	6/10/94	8:41	1 U		1 U		1 U	1 U	1 U	28.5 E	1.9 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG267	20	S145G1567	6/10/94	8:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG268	12	S145G1268	6/10/94	9:39	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG268	20	S145G1568	6/10/94	9:47	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG269	12	S145G1269	6/10/94	10:05	1 U		1 U		1 U	1 U	1 U	21.4 E	1.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG269	20	S145G1569	6/10/94	10:11	1 U		1 U		1 U	1 U	1 U	24.5 E	1.7 FI	5 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG270	12	S145G1270	6/10/94	10:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	4.3	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG270	20	S145G1570	6/10/94	10:46	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	4.4	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG270	20	S145G3069	6/10/94	10:46	1 U		1.4		1 U	1 U	1 U	200 E	1.1 FI	5 U	1 U	1 U	1 U	4.6	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG271	12	S145G1271	6/10/94	11:06	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	2.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG271	20	S145G1571	6/10/94	11:16	1 U		1 U		1 U	1 U	1	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG272	12	S145G1272	6/10/94	12:59	1 U		4.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG272	20	S145G1572	6/10/94	13:08	1 U		3.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG273	12	S145G1273	6/10/94	13:27	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG273	20	S145G1573	6/10/94	13:36	1		11.4 E	9.5 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	4.7	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG274	15	S145G1274	6/16/94	14:23	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	4.2
24_SG274	15	S145G3088	6/16/94	14:23	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1	4.6

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG275	15	S145G1275	6/16/94	14:07	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG276	12	S145G1276	6/2/94	17:47	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG276	12	S145G3001	6/2/94	17:48	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG276	20	S145G1576	6/2/94	19:35	1 U		1 U		1.7	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG277	12	S145G1277	6/16/94	13:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG278	15	S145G1278	6/16/94	13:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG279	15	S145G1279	6/16/94	10:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG279	15	S145G3087	6/16/94	10:24	1 U		9.3 E	32 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG280	15	S145G1280	6/16/94	10:03	1 U		1.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG281	15	S145G1281	6/16/94	9:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG282	15	S145G1282	6/16/94	8:51	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG282	20	S145G1582	6/2/94	20:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG283	15	S145G1283	6/16/94	9:13	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG284	15	S145G1284	6/16/94	10:51	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG285	15	S145G1285	6/15/94	14:57	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG286	15	S145G1286	6/15/94	15:21	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG287	15	S145G1287	6/15/94	15:47	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG287	15	S145G3151	6/15/94	15:48	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG288	12	S145G1288	6/10/94	14:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG288	18	S145G1588	6/10/94	14:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG289	15	S145G1289	6/15/94	16:07	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG290	15	S145G1290	6/15/94	16:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG291	15	S145G1291	6/15/94	16:52	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG292	12	S145G1292	6/10/94	15:02	1 U		1.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG292	12	S145G3070	6/10/94	15:02	1 U		1.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG292	20	S145G1592	6/10/94	15:10	1 U		3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG293	15	S145G1293	6/16/94	8:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG293	15	S145G3154	6/16/94	8:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG294	15	S145G1294	6/16/94	8:15	1		12.6 E	63 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG295	15	S145G1295	6/16/94	8:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG296	15	S145G1296	6/16/94	10:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG297	15	S145G1297	6/16/94	9:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG298	15	S145G1298	6/16/94	9:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG299	15	S145G1299	6/16/94	11:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG300	9	S145G1300	6/16/94	9:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG301	15	S145G1801	6/16/94	10:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG301	15	S145G3155	6/16/94	10:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG302	15	S145G1802	6/16/94	10:50	1 U		3.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG303	9	S145G1603	6/20/94	14:28	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG303	9	S145G3091	6/20/94	14:28	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG304	9	S145G1604	6/20/94	12:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG306	11	S145G1606	6/20/94	12:06	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG307	15	S145G1607	6/20/94	11:41	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG308	12	S145G1808	6/2/94	18:52	1 U		1 U		1.1	1.8	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG308	12	S145G2001	6/2/94	19:44	1 U		1 U		1	2.6	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG308	12	S145G2002	6/2/94	23:17	1 U		1 U		1 U	1.6	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG308	12	S145G2003	6/3/94	15:43	1 U		1 U		1 U	3	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1.3	1 U	1 U
24_SG308	12	S145G2004	6/6/94	17:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	14.3	1 U	6.1	1 U	1 U
24_SG308	12	S145G3002	6/2/94	18:51	1 U		1 U		1 U	1.4	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG308	12	S145G3004	6/2/94	19:43	1 U		1 U		1.1	3.4	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1	1 U	1 U
24_SG308	12	S145G3005	6/2/94	23:18	1 U		1 U		1 U	2	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG308	12	S145G3006	6/3/94	15:44	1 U		1 U		1 U	3	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1.7	1 U	1 U
24_SG308	12	S145G3007	6/6/94	17:11	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G1809	6/2/94	19:20	1 U		1 U		1	1	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G2005	6/2/94	20:09	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G2006	6/2/94	23:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG309	12	S145G2007	6/3/94	15:48	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G2008	6/6/94	17:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G3003	6/2/94	19:19	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G3008	6/2/94	20:08	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G3009	6/2/94	23:21	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G3010	6/3/94	15:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG309	12	S145G3011	6/6/94	17:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG310	13	S145G1610	6/20/94	11:11	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG311	15	S145G1611	6/20/94	10:11	1.6		11.9 E	53.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.5
24_SG312	15	S145G1612	6/20/94	10:41	1 U		1 U		1 U	1 U	1 U	4.6		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	434	1 U	1.3	1 U	8
24_SG313	15	S145G1613	6/15/94	11:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG315	15	S145G1615	6/24/94	15:56	4.4 E	15 FI	30 E	345.1 FI	1 U	1 U	1 U	111 E	25.6 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG316	15	S145G1616	6/24/94	15:29	1.4		21.6 E	92.6 FI	1 U	1 U	1 U	36.5 E	4.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG316	15	S145G3504	6/24/94	15:29	1.7		23 E	115.1 FI	1 U	1 U	1 U	42.6 E	5.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG317	15	S145G1617	6/22/94	11:10	1.7		24 E	138.8 FI	1 U	1 U	1 U	82 E	4.2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG317	15	S145G3163	6/22/94	11:10	2.5		27 E	216.4 FI	1 U	1 U	1 U	113 E	6.3 FI	5 U	1.2	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG317	27	S145G1817	6/22/94	11:45	4.8 E	16.9 FI	30 E	385.1 FI	1 U	1 U	1 U	91 E	10.2 FI	5 U	1.5	1 U	1 U	1.4	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG318	15	S145G1618	6/24/94	14:27	6.5 E	31.9 FI	33.5 E	636.9 FI	1 U	1 U	1 U	125 E	9.2 FI	5 U	8.6	1 U	1 U	2.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG319	15	S145G1619	6/22/94	12:06	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG320	15	S145G1620	6/24/94	15:07	1 U		11.1 E	35.7 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG321	15	S145G1621	6/27/94	15:11	1 U		4.3		1 U	1 U	1 U	16 E	4.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1
24_SG322	15	S145G1622	6/24/94	16:20	4.2 E	13.6 FI	26.2 E	183.3 FI	1 U	1 U	1 U	265 E	1.6 FI	5 U	1 U	1 U	1.3 J	2.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG323	15	S145G1623	6/22/94	9:25	2.7		22 E	102.6 FI	1 U	1 U	1 U	375 E	123.7 FI	5 U	1 U	1 U	1 U	3.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG323	27	S145G1823	6/22/94	9:35	4.1 E	14.1 FI	24.7 E	152.4 FI	1 U	1 U	1 U	395 E	175.4 FI	5 U	1 U	1 U	1 U	4.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG324	15	S145G1624	6/22/94	15:13	1 U		18 E	63.2 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG325	15	S145G1625	6/22/94	15:36	1 U		26 E	174.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG326	15	S145G1626	6/20/94	9:55	1 U		21 E	493.7 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	5.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG326	27	S145G1826	6/20/94	10:05	1 U		19.5 E	655 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	7.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG327	15	S145G1627	6/22/94	14:37	1 U		22 E	100.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	8.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG328	15	S145G1628	6/20/94	14:58	1 U		18.7 E	285.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	7.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG329	15	S145G1629	6/20/94	16:55	1 U		20.4 E	443.4 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	6.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG330	15	S145G1630	6/24/94	9:40	1 U		20 E	75.5 FI	1 U	1 U	1 U	1 U		5 U	1	1 U	17.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG330	27	S145G1830	6/24/94	10:05	1 U		25.8 E	171.9 FI	1 U	1 U	1 U	1 U		5 U	1.7	1 U	37.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG331	15	S145G1631	6/20/94	15:00	1 U		25 E	970.8 FI	1 U	1 U	1 U	393 E	2.5 FI	5 U	1 U	1 U	34.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG331	27	S145G1831	6/20/94	15:10	1 U		14.5 E	96.9 FI	1 U	1 U	1 U	224 E	68.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG332	15	S145G1632	6/20/94	11:30	1 U		20.1 E	459.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	9.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG332	27	S145G1832	6/20/94	11:35	1 U		28.6 E	1550 FI	1 U	1 U	1 U	400 E	4 FI	5 U	1 U	1 U	42.3 J	2.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG333	15	S145G1633	6/21/94	16:07	1 U		17 E	308.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	16.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG334	15	S145G1634	6/27/94	14:39	1.6		22.1 E	57 FI	1 U	1 U	1 U	43.7 E	3.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG335	15	S145G1635	6/23/94	11:15	5.7 E	22.9 FI	34 E	678.8 FI	1 U	1 U	1 U	210 E	25.5 FI	5 U	1 U	1 U	1 U	1.5	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG335	27	S145G1835	6/23/94	11:30	3.1 E	16.8 FI	30 E	374.3 FI	1 U	1 U	1 U	160 E	21 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG336	15	S145G1636	6/24/94	11:40	1 U		6.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG337	15	S145G1637	6/22/94	16:03	1 U		1.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG338	15	S145G1638	6/23/94	14:55	1 U		1.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG338	27	S145G1838	6/23/94	15:05	1 U		1 U		1 U	1 U	1 U	28.6 E	1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG338	27	S145G3166	6/23/94	15:05	1 U		1.2		1 U	1 U	1 U	37		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG339	15	S145G1639	6/21/94	11:12	1 U		13.6 E	133.3 FI	1 U	1 U	1 U	55.6 E	54.8 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG339	22	S145G1839	6/21/94	11:25	1 U		16 E	240.8 FI	1 U	1 U	1 U	70 E	80.2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG340	15	S145G1640	6/21/94	10:15	1 U		10 E	50.9 FI	1 U	1 U	1 U	29.6		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG340	15	S145G3160	6/21/94	10:15	1		12.7 E	100 FI	1 U	1 U	1 U	47.9 E	23.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG341	15	S145G1641	6/21/94	13:30	1 U		11.3 E	65.5 FI	1 U	1 U	1 U	53 E	39.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG342	15	S145G1642	6/21/94	10:35	1 U		1.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG343	15	S145G1643	6/21/94	13:50	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG344	15	S145G1644	6/21/94	10:55	1.4		7.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	15.6 J	1.8	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG345	15	S145G1645	6/21/94	10:15	1.1		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	18.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG346	15	S145G1646	6/23/94	14:18	1 U		5.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.5 J	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG347	15	S145G1647	6/23/94	16:26	1 U		4.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG348	15	S145G1648	6/23/94	14:48	1 U		9.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG349	15	S145G1649	6/23/94	15:18	1 U		19 E	72.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG350	15	S145G1650	6/23/94	16:57	1 U		5.4		1 U	1 U	1 U	1 U		5 U	3.3	1 U	2.4 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG351	15	S145G1651	6/23/94	15:42	1 U		23 E	115.9 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG351	15	S145G3501	6/23/94	15:42	1 U		24 E	134.6 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG352	15	S145G1652	6/22/94	11:22	1 U		27.4 E	233 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG353	15	S145G1653	6/27/94	15:43	1 U		12.7 E	22.6 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG354	15	S145G1654	6/23/94	10:15	1.4		34.7 E	844 FI	6.6	1 U	1 U	1 U		5 U	1 U	1 U	26 J	1.9	1 U	1 U	1 U	20	1 U	1 U	1 U	3.3
24_SG355	15	S145G1655	6/24/94	16:20	2		32.4 E	531.2 FI	1 U	1 U	1 U	383 E	8.2 FI	5 U	1 U	1 U	9 J	2.8	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG356	15	S145G1656	6/27/94	16:15	1 U		1 U		1 U	1 U	1 U	7.1 E	5.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG356	15	S145G3507	6/27/94	16:15	1 U		1 U		1 U	1 U	1 U	9.8 E	5 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1
24_SG357	15	S145G1657	6/24/94	16:47	1 U		24 E	130.2 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.5 J	1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG358	15	S145G1658	6/24/94	15:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG359	15	S145G1659	6/24/94	14:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG359	22	S145G1859	6/24/94	15:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG360	15	S145G1660	6/24/94	14:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG360	15	S145G3169	6/24/94	14:25	1 U		1 U		1 U	1 U	1 U	2		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG361	15	S145G1661	6/24/94	13:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2
24_SG362	15	S145G1662	6/24/94	13:45	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG363	15	S145G1663	6/24/94	14:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG364	15	S145G1664	6/24/94	9:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG365	15	S145G1665	6/24/94	9:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG366	15	S145G1666	6/22/94	10:41	1 U		1 U		1 U	1 U	1 U	11.2		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1
24_SG367	15	S145G1667	6/23/94	16:50	1 U		1.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2
24_SG367	30	S145G1867	6/23/94	17:05	1 U		1 U		1 U	1 U	1 U	260 E	18.9 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG368	15	S145G1668	6/27/94	13:42	1 U		1 U		1 U	1 U	1 U	55 E	1.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG369	15	S145G1669	6/29/94	8:29	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG370	15	S145G1670	6/24/94	11:47	1 U		13.8 E	43.4 FI	1 U	1 U	1 U	72 E	34.9 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG371	15	S145G1671	6/24/94	10:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG372	15	S145G1672	6/22/94	9:30	1 U		1 U		1 U	1 U	1 U	300 E	33.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG373	15	S145G1673	6/23/94	9:10	1 U		20.5 E	85.3 FI	1 U	1 U	1 U	255 E	22.6 FI	5 U	1 U	1 U	2 J	1 U	1 U	1 U	1 U	32	1 U	1 U	1 U	1 U
24_SG373	27	S145G1873	6/23/94	9:26	1 U		23 E	117.1 FI	1 U	1 U	1 U	245 E	28.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG374	15	S145G1674	6/24/94	13:30	1 U		32.6 E	563.6 FI	5.7	1 U	1 U	265 E	66.6 FI	5 U	1 U	1 U	1.3 J	1 U	1 U	1 U	1 U	295	1 U	1 U	1 U	3.7
24_SG375	15	S145G1675	6/24/94	13:51	1 U		390 E	2199.3 FI	1 U	1 U	2	230 E	131.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1.2	1 U	640	1 U	3.2	4.2	6.8
24_SG376	15	S145G1676	6/21/94	14:10	1 U		16 E	218 FI	1 U	1 U	1 U	63.5 E	67.8 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG377	15	S145G1677	6/21/94	14:35	1 U		10.1 E	50 FI	1 U	1 U	1 U	32 E	31.4 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG378	15	S145G1678	6/21/94	14:58	1 U		2.6		1 U	1 U	1 U	35 E	19.2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG378	15	S145G3094	6/21/94	14:58	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG379	15	S145G1679	6/24/94	15:55	1 U		1.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG380	15	S145G1680	6/24/94	8:56	1 U		3.1		1 U	1 U	1 U	165 E	1.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG381	15	S145G1681	6/23/94	8:55	1 U		1.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG382	15	S145G1682	6/29/94	8:52	1 U		2.6		1 U	1 U	1 U	8.8 E	2.7 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG383	15	S145G1683	6/22/94	16:39	2.8		24 E	134.4 FI	1 U	1 U	1 U	99 E	47.1 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG383	15	S145G3097	6/22/94	16:39	3.3 E	11.7 FI	25 E	152 FI	1 U	1 U	1 U	106 E	52.8 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG384	15	S145G1684	6/21/94	15:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG385	15	S145G1685	6/21/94	14:55	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	120	1 U	6.2	1 U	4.6
24_SG386	15	S145G1686	6/21/94	14:35	1 U		1.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	7.1 J	1 U	1 U	1 U	1 U	61	1 U	3.4	1 U	2.3
24_SG387	15	S145G1687	6/21/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	7.7 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG388	15	S145G1688	6/21/94	9:12	1 U		2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	17 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG389	15	S145G1689	6/21/94	15:22	1 U		10.8 E	58.9 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	13.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG390	15	S145G1690	6/23/94	9:47	1 U		20 E	76 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	7.9 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	3.3
24_SG391	15	S145G1691	6/23/94	11:20	2.1		32 E	496.6 FI	1 U	1 U	1 U	460 E	15.4 FI	5 U	1 U	1 U	27.7 J	2.8	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1
24_SG392	15	S145G1692	6/21/94	15:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	62	1 U	4.4	1 U	2.4
24_SG393	15	S145G1693	6/21/94	8:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG393	27	S145G1893	6/21/94	9:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG394	15	S145G1694	6/21/94	14:17	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG395	15	S145G1695	6/21/94	15:50	1 U		8 E	32.1 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	15.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG396	15	S145G1696	6/23/94	11:43	2.2		21.4 E	94.4 FI	1 U	1 U	1 U	410 E	18.8 FI	5 U	1 U	1 U	15.9 J	1.1	1 U	1 U	1 U	29	1 U	1 U	1 U	1
24_SG397	15	S145G1697	6/23/94	12:03	1.7		7.5		1 U	1 U	1 U	1 U		5 U	1.3	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	3.1
24_SG398	15	S145G1698	6/27/94	9:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG398	27	S145G1898	6/27/94	9:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG399	15	S145G1699	6/27/94	11:35	2		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG399	27	S145G1899	6/27/94	11:45	7.6 E	30.4 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG400	15	S145G1700	6/29/94	13:55	1 U		10.1 E	33.3 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG400	27	S145G1900	6/29/94	14:05	1 U		12 E	49 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG401	15	S145G1701	6/30/94	10:25	1.2		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG401	27	S145G1901	6/30/94	10:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG402	15	S145G1702	6/30/94	13:40	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	350	1 U	1 U	3.3	2.4
24_SG402	27	S145G1902	6/30/94	13:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	575	1 U	1 U	12.3	7
24_SG403	15	S145G1703	6/30/94	16:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG403	27	S145G1903	6/30/94	16:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG404	15	S145G1704	6/27/94	14:35	1 U		1 U		1 U	1 U	1 U	20		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	12300	145	71	216	565
24_SG404	21	S145G1904	6/27/94	14:50	1 U		1 U		1 U	1 U	1 U	11		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	6600	68	30	113	286
24_SG405	15	S145G1705	6/28/94	9:35	4.9 E	9.4 FI	1.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	15.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG405	27	S145G1905	6/28/94	9:50	2.5		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	6.2 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG406	15	S145G1706	6/29/94	9:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG406	27	S145G1906	6/29/94	9:35	1 U		1 U		1 U	1 U	1 U	2.4 E	1.9 FI	8.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG407	15	S145G1707	6/30/94	9:10	1 U		5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG407	30	S145G1907	6/30/94	9:25	1.2		13 E	61.4 FI	1 U	1 U	1 U	50 E	2.4 FI	5 U	1 U	1 U	1 U	1.2	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG407	30	S145G3181	6/30/94	9:25	1		12.5 E	55.8 FI	1 U	1 U	1 U	46 E	2.2 FI	5 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG408	15	S145G1708	6/30/94	8:30	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG408	30	S145G1908	6/30/94	8:40	1 U		9.2 E	28.6 FI	1 U	1 U	1 U	13.2 E	3.3 FI	5 U	1 U	1 U	1 U	2.4	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG409	15	S145G1709	6/29/94	12:00	1 U		2.7		1 U	1.3	1 U	5.3 E	1 FI	5.1	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG410	15	S145G1710	6/30/94	13:16	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG411	15	S145G1711	6/28/94	15:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG411	30	S145G1911	6/28/94	15:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG412	15	S145G1712	6/29/94	15:35	1 U		2.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG412	15	S145G3178	6/29/94	15:35	1 U		2.5		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG412	30	S145G1912	6/29/94	15:50	1 U		4.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG413	15	S145G1713	6/28/94	13:35	1 U		6.2		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2
24_SG413	15	S145G3175	6/28/94	13:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG413	30	S145G1913	6/28/94	13:45	1 U		9.9		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG414	15	S145G1714	6/28/94	14:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG414	30	S145G1914	6/28/94	14:35	1 U		3.3		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	2.1
24_SG415	15	S145G1715	6/28/94	16:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG415	30	S145G1915	6/28/94	16:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG416	15	S145G1716	6/29/94	16:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG416	30	S145G1916	6/29/94	16:35	1 U		1 U		1 U	1 U	1 U	1 U		5.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG417	15	S145G1717	6/28/94	8:48	1 U		1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG418	16	S145G1718	6/29/94	11:31	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.5 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG419	15	S145G1719	6/27/94	10:51	1 U		1.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1.8 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG420	15	S145G1720	6/29/94	14:09	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG421	15	S145G1721	6/29/94	14:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.1
24_SG421	15	S145G3513	6/29/94	14:49	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.3
24_SG422	15	S145G1722	6/27/94	11:50	1 U		1 U		1 U	1 U	1 U	3.1		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1.2
24_SG423	15	S145G1723	6/28/94	9:38	2.5		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG424	15	S145G1724	6/27/94	10:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG425	15	S145G1725	6/27/94	9:26	1 U		8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG426	18	S145G1726	6/28/94	11:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG427	15	S145G1727	7/1/94	11:30	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG428	15	S145G1728	7/1/94	11:59	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U

Table C-1
Concentrations in Soil Gas
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Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes
24_SG429	15	S145G1729	6/30/94	8:50	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG430	15	S145G1730	6/30/94	13:36	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG431	15	S145G1731	6/30/94	9:21	1 U		1 U		1 U	1 U	1 U	12.8 E	2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG432	15	S145G1732	6/27/94	16:43	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1
24_SG433	15	S145G1733	6/29/94	15:40	1 U		1.7		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG434	12	S145G1734	6/30/94	10:18	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG435	15	S145G1735	6/29/94	15:17	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG436	15	S145G1736	7/1/94	13:05	1 U		1.8		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG437	15	S145G1737	7/1/94	13:48	1 U		1.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG438	15	S145G1738	7/1/94	10:19	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG439	15	S145G1739	6/28/94	14:27	1 U		1.1		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG441	15	S145G1741	7/1/94	10:25	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG442	15	S145G1742	6/28/94	15:36	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	4.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG443	15	S145G1743	7/1/94	16:23	1 U		12.9 E	59.6 FI	1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	21.8	1 U	1 U	1 U	1 U
24_SG444	15	S145G1744	7/1/94	15:04	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	12 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG445	15	S145G1745	7/1/94	14:42	2.8 E	7 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	2.2	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG446	15	S145G1746	7/1/94	14:21	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG447	15	S145G1747	7/1/94	15:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG447	15	S145G3519	7/1/94	15:24	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.1 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG448	15	S145G1748	6/27/94	16:50	1 U		1 U		1 U	1 U	1 U	15.8		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	150	1.8	1	3.3	13
24_SG449	15	S145G1749	7/1/94	11:35	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG450	15	S145G1750	7/1/94	13:00	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG451	15	S145G1751	7/1/94	12:10	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG452	7	S145G1752	7/1/94	11:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG453	15	S145G1753	7/1/94	9:20	1.2		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG453	15	S145G3184	7/1/94	9:20	1		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG454	15	S145G1754	7/1/94	9:00	4.5 E	18.3 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG455	15	S145G1755	6/30/94	11:14	5.5 E	34.9 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG456	15	S145G1756	6/30/94	11:38	1 U		1 U		1 U	1 U	1 U	76 E	8.2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG457	15	S145G1757	6/30/94	13:57	1 U		1 U		1 U	1 U	1 U	40.8 E	20.5 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG458	15	S145G1758	6/30/94	10:51	3.6 E	10.5 FI	1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG459	15	S145G1759	6/30/94	14:17	1 U		1 U		1 U	1 U	1 U	46.1		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG459	15	S145G3516	6/30/94	14:17	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG460	15	S145G1760	7/1/94	9:50	1 U		1 U		1 U	1 U	1 U	34.6 E	1.3 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG461	15	S145G1761	6/30/94	14:34	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG462	15	S145G1762	6/30/94	15:08	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG463	15	S145G1763	6/30/94	15:25	1 U		1 U		1 U	1 U	1 U	8.5		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG464	15	S145G1764	6/30/94	14:51	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG466	15	S145G1766	6/28/94	11:26	1.8		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG467	15	S145G1767	6/29/94	10:15	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG468	15	S145G1768	6/29/94	9:23	1.8		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	3.1 J	1 U	1 U	1 U	1 U	107	1 U	1 U	1 U	3
24_SG469	15	S145G1769	6/28/94	16:05	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG470	15	S145G1770	6/28/94	16:26	1 U		1.4		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.3 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG470	15	S145G3510	6/28/94	16:26	1 U		1.6		1 U	1 U	1 U	1 U		5 U	1 U	1 U	2.6 J	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG471	15	S145G1771	6/29/94	9:47	1.3		5.2		1 U	1 U	1 U	232 E	11.7 FI	5 U	1 U	1 U	10.3 J	1 U	1 U	1 U	1 U	85	1 U	1 U	1 U	1 U
24_SG472	15	S145G1772	7/1/94	8:40	1 U		1 U		1 U	1 U	1 U	136 E	1.7 FI	9.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	725	1 U	1.1	22.6	24.5
24_SG473	15	S145G1773	7/1/94	8:20	1 U		1 U		1 U	1 U	1 U	1 U		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10 U	1 U	1 U	1 U	1 U
24_SG474	15	S145G1774	6/27/94	16:10	1 U		1 U		1 U	1 U	1 U	19.2		5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	10500	163	1 U	171	415
24_SG475	6	S145G1775	6/27/94	15:40	1 U		1 U		1 U	1 U	1 U	5.7 E	6.2 FI	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	207	2	1.3	3.9	10.5

Table C-1
Concentrations in Soil Gas
MCAS El Toro Soil Gas Survey Technical Memorandum

Concentration in ug/L

(1) Key to Full Parameter names in Legend.

Station_ID	Depth	Sample_ID	Smpl_Date	Smpl_Time	PCE (ECD)	PCE (FID)	TCE (ECD)	TCE (FID)	C12DCE	T12DCE	11DCA	11DCE (ECD)	11DCE (FID)	VC	111TCA	112TCA	TCTFA	CT	CHCL3	12DCP	MeCL2	TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes

(1) Legend:

111TCA - 1,1,1-Trichloroethane	C12DCE - Cis-1,2-Dichloroethylene	T12DCE - Trans-1,2-Dichloroethene
112TCA - 1,1,2-Trichloroethane	CHCL3 - Chloroform	TCE - Trichloroethylene
11DCA - 1,1-Dichloroethane	CT - Carbon Tetrachloride	TCTFA - TCTFA (Freon 113)
11DCE - 1,1-Dichloroethylene	MeCL2 - Methylene Chloride	TPH - Total Petroleum Hydrocarbons
12DCP - 1,2-Dichloropropane	PCE - Tetrachloroethylene	VC - Vinyl Chloride

Key to flags:

U	non-detect value, concentration is the detection limit
E	concentration exceeds the calibrated range of the detector
J	estimated value
FI	flame ionization detector (gas chromatograph detector flag for TCE; PCE; and 1,1-DCE. No flag indicates electron capture detector (ECD) was used.

Appendix C-2

VOC SOIL GAS CONCENTRATION MAPS

Appendix C-2
VOC Soil Gas Concentration Maps

List of Figures

Figure C-1 Maximum Trichloroethylene (TCE) Soil Gas Concentrations at Each Sample Location

Figure C-2 Maximum Tetrachloroethylene (PCE) Soil Gas Concentrations at Each Sample Location

Figure C-3 Maximum 1,1 Dichloroethylene (1,1-DCE) Soil Gas Concentrations at Each Sample Location

Figure C-4 Maximum Trichlorotrifluoroethane (Freon 113) Soil Gas Concentrations at Each Sample Location

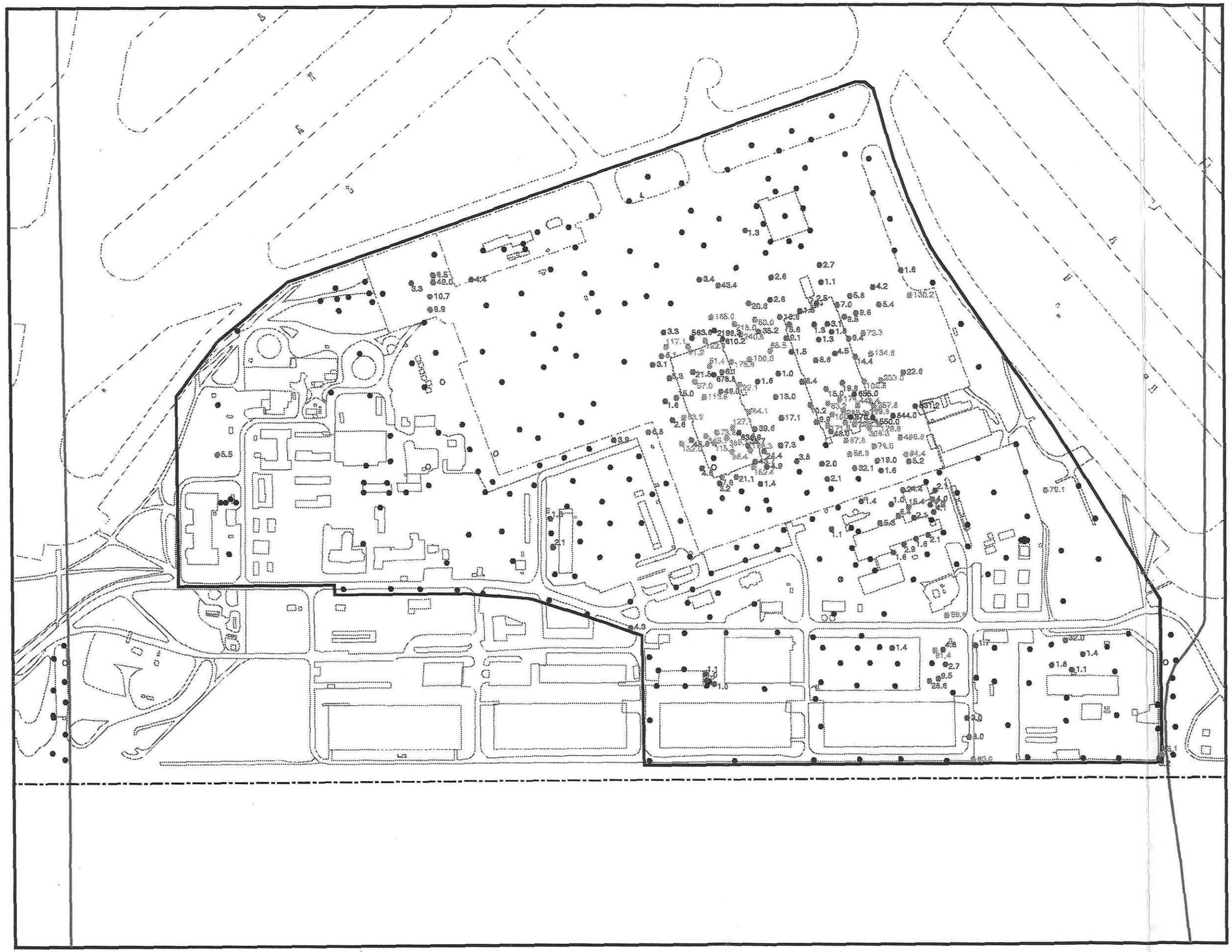
Figure C-5 Maximum 1,1-Dichloroethane (1,1-DCA) Soil Gas Concentrations at Each Sample Location

Figure C-6 Maximum 1,1,1-Trichloroethane (1,1-TCA) Soil Gas Concentrations at Each Sample Location

Figure C-7 Maximum Carbon Tetrachloride Soil Gas Concentrations at Each Sample Location

Figure C-8 Maximum Chloroform Soil Gas Concentrations at Each Sample Location

Figure C-9 Maximum Vinyl Chloride Soil Gas Concentrations at Each Sample Location



FEATURES:

- MCAS EL TORO BOUNDARY
- WASH OR STREAM
- SITE 24 BOUNDARY
- LESS THAN 1.0 ug/l TCE
- 1.0 TO 5.0 ug/l TCE
- 5.0 TO 50.0 ug/l TCE
- 50.0 TO 500.0 ug/l TCE
- GREATER THAN 500.0 ug/l TCE
- SOIL GAS MONITORING LOCATION
- 7.0 D
  CONCENTRATION, DATA FLAG

DATA FLAGS:
U - UNDETECTED
D - DILUTION
B - DETECTED IN LAB BLANK
J - ESTIMATED

0 225 450 900
SCALE IN FEET

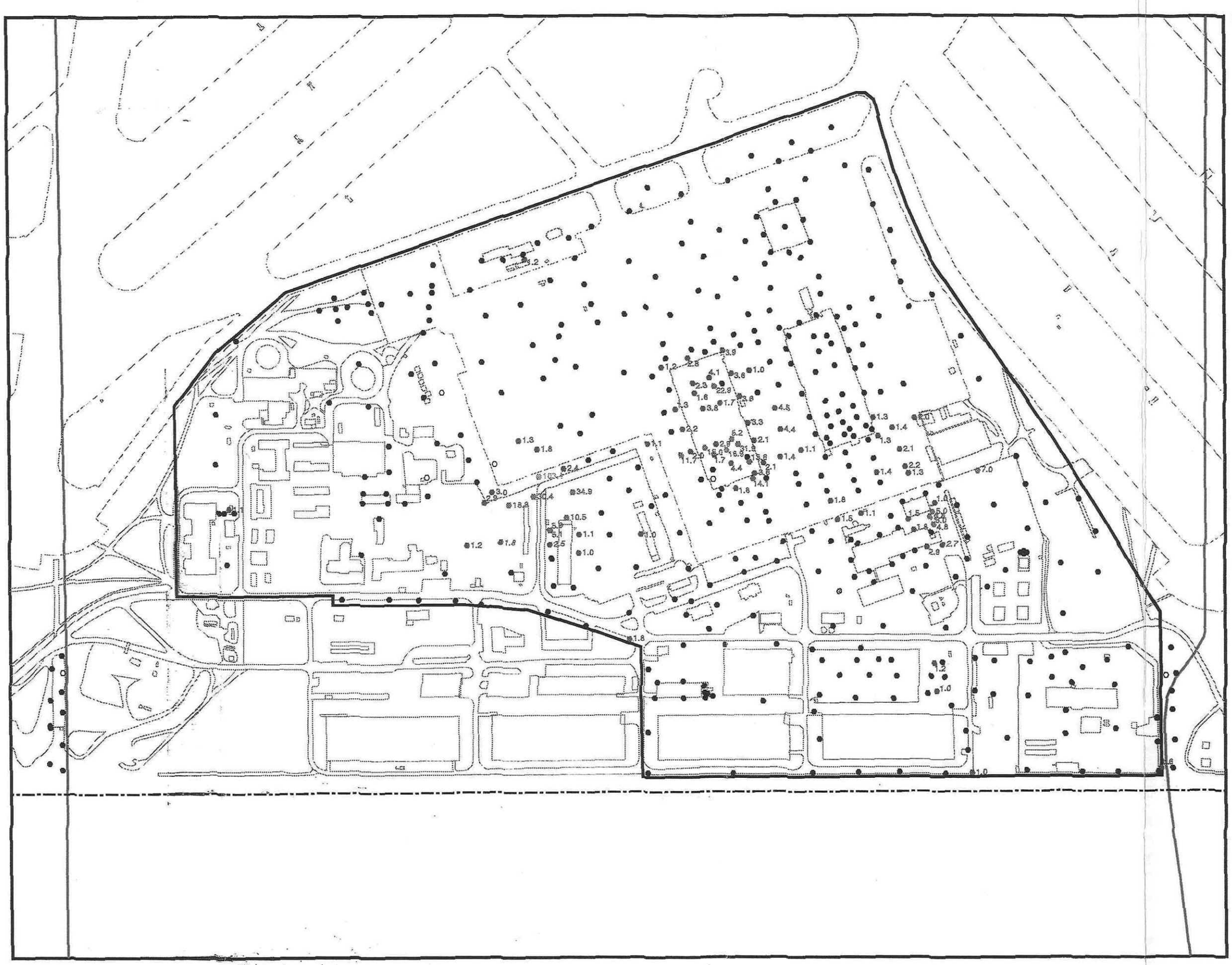
FIGURE C-1

MAXIMUM TRICHLOROETHYLENE (TCE) SOIL GAS CONCENTRATIONS AT EACH SAMPLE LOCATION

SOIL GAS MONITORING MAY-JULY 1994
MCAS EL TORO SOIL GAS SURVEY

Plot date: 30 Aug 94 12:06:14 Tuesday /gis2/eltoro/plots/soilgas/round2.GIS &args toe comb 1040 ledger

Continue



FEATURES:

- MCAS EL TORO BOUNDARY
- WASH OR STREAM
- SITE 24 BOUNDARY
- LESS THAN 1.0 ug/l PCE
- 1.0 TO 5.0 ug/l PCE
- 5.0 TO 50.0 ug/l PCE
- GREATER THAN 50.0 ug/l PCE
- SOIL GAS MONITORING LOCATION
- 7.0 D
  CONCENTRATION, DATA FLAG

DATA FLAGS:
U - UNDETECTED
D - DILUTION
B - DETECTED IN LAB BLANK
J - ESTIMATED

0 225 450 900
SCALE IN FEET

FIGURE C-2

MAXIMUM TETRACHLOROETHYLENE (PCE) SOIL GAS CONCENTRATIONS AT EACH SAMPLE LOCATION

SOIL GAS MONITORING MAY-JULY 1994
MCAS EL TORO SOIL GAS SURVEY

Plot date: 30 Aug 94 12:28:34 Tuesday