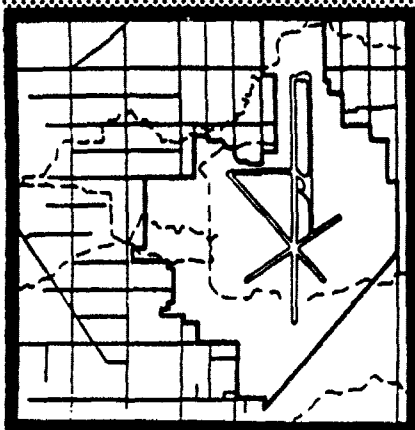


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**INSTALLATION RESTORATION PROGRAM (IRP)
STAGE 7
McCLELLAN AIR FORCE BASE**

**PREPARED BY:
Radian Corporation
10395 Old Placerville Road
Sacramento, California 95827**

FEBRUARY 1991

**OPERABLE UNIT B
SOIL GAS INVESTIGATION
DATA SUMMARY REPORT**



**PREPARED FOR:
McCLELLAN AFB / EM
McCLELLAN AFB, CALIFORNIA 95652-5990**

**United States Air Force
Human Systems Division (AFSC)
IRP Program Office (HSD/YAQ)
Brooks Air Force Base, Texas 78235-5501**

**RADIAN
CORPORATION**

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INSTALLATION RESTORATION PROGRAM
STAGE 7

OPERABLE UNIT B SOIL GAS INVESTIGATION
DATA SUMMARY 2

DRAFT

FOR

McCLELLAN AFB/EM
McCLELLAN AFB, CALIFORNIA 95652-5990

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February 1991

PREPARED BY:

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Sacramento, California 95827



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HUMAN SYSTEMS DIVISION (AFSC)
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NOTICE

This report has been prepared for the Air Force by Radian Corporation for the purpose of aiding in the implementation of a final remedial action plan under the Air Force installation Restoration Program (IRP). As the report relates to actual or possible releases of potentially hazardous substances, its release prior to an Air Force final decision on remedial action may be in the public's interest. The limited objectives of this report and the ongoing nature of the IRP, along with the evolving knowledge of site conditions and chemical effects on the environment and health, must be considered when evaluating this report, since subsequent facts may become known which may make this report premature or inaccurate. Acceptance of this report in performance of the contract under which it is prepared does not mean that the Air Force adopts the conclusions, recommendations, or other views expressed herein, which are those of the contractor only and do not necessarily reflect the official position of the Air Force.

PREFACE

Radian Corporation is the contractor for the RI/FS program at McClellan AFB, California. This work was performed for the Human Systems Division (AFSC), Installation Restoration Program Office (HSD/YAQ) under Air Force Contract No. F33615-90-D-4013, Delivery Order 0002.

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Radian would like to acknowledge the cooperation of the McClellan AFB Office of Environmental Management. In particular, Radian acknowledges the assistance of Mr. Mario Ierardi and Mr. Bud Hoda.

The work presented herein was accomplished between September 1990 and December 1990. Mr. Patrick Haas was the Technical Program Manager, and Capt. Henry Thompson, Human Systems Division (AFSC), Installation Restoration Program Office (HSD/YAQ), was the Contracting Officer's Technical Representative.

Approved: _____

Nelson H. Lund, P.E.

Contract Program Manager

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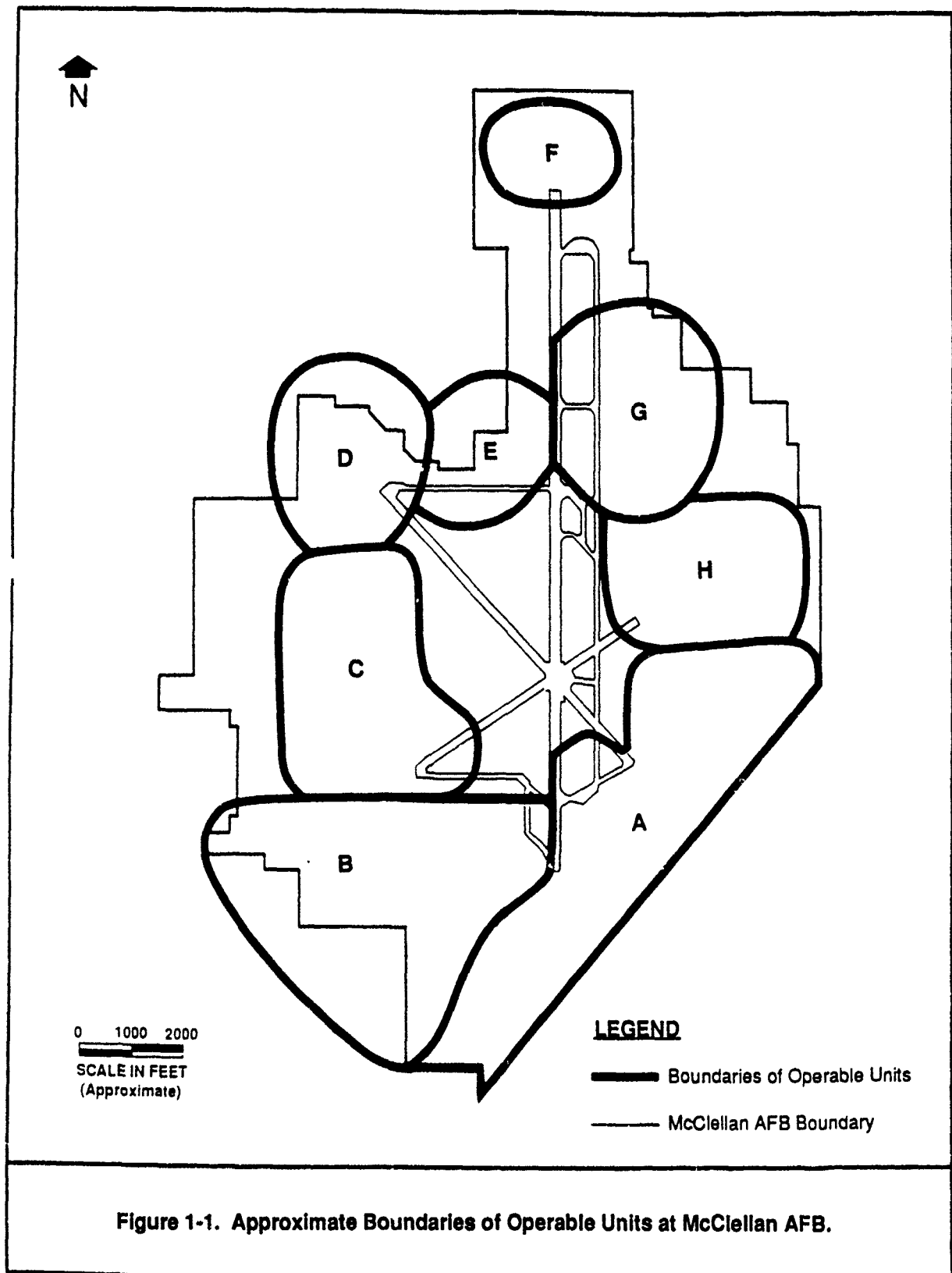
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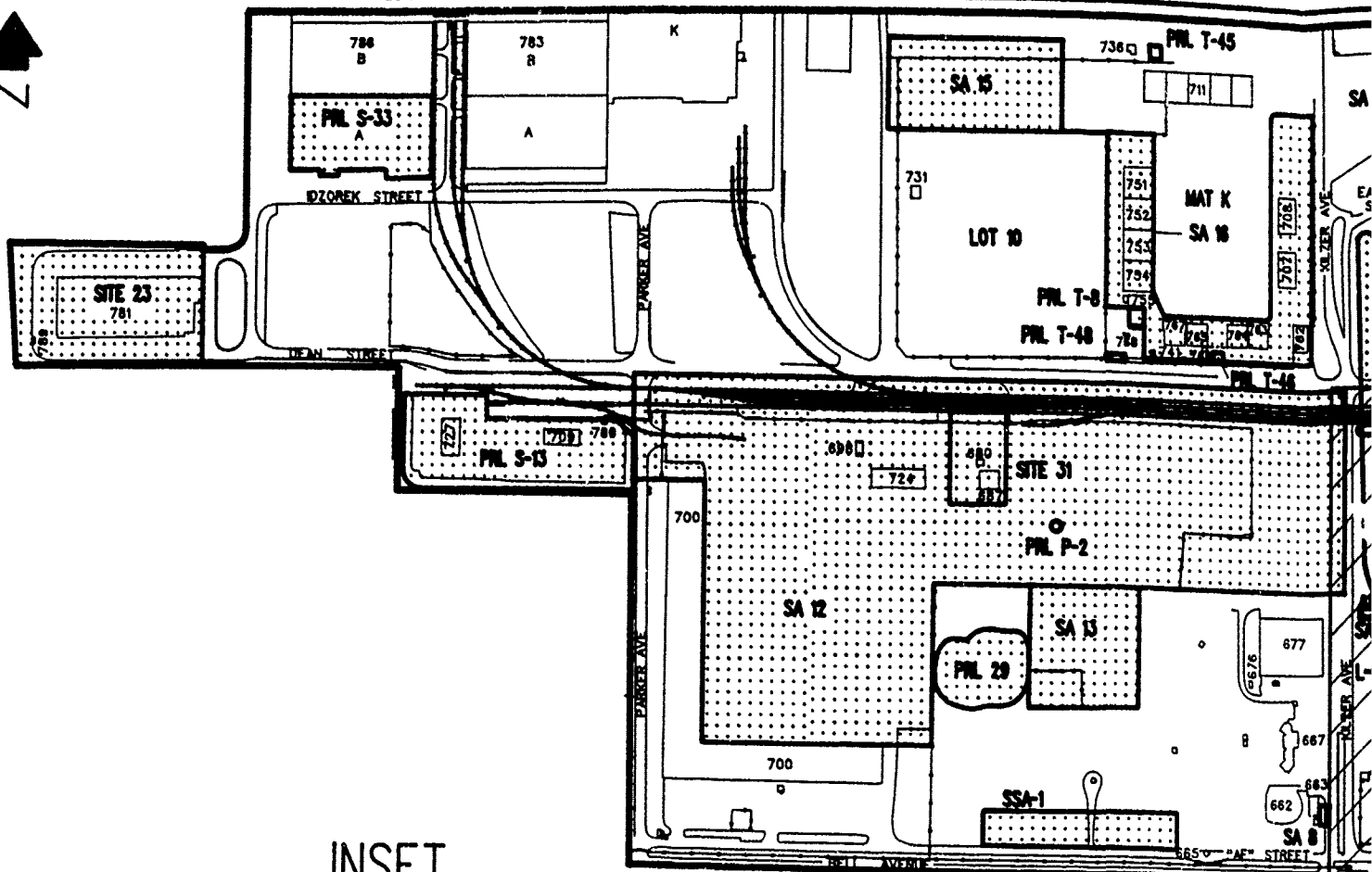
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1.6 INTRODUCTION

This data summary is the second of two reports used to present the results of the soil gas investigation in Operable Unit (OU) B at McClellan Air Force Base (AFB) (Figure 1-1). The first data summary prepared in December 1990, presented the preliminary results of the first half (September 1990 through 15 October 1990) of the OU B soil gas investigation. This data summary presents the results of all field activities and recommendations for further investigation of the Sites, Potential Release Locations (PRLs), Study Areas (SAs), and Special Study Areas (SSAs) investigated during the OU B Soil Gas Investigation (Figure 1-2). Section 2.0 briefly discusses the technical approach used in obtaining the soil gas and soil data. Preliminary soil gas and soil results are discussed in Section 3.0. Recommendations for further action are presented in Section 4.0. Complete data sets for each site are included in Appendices A through E. The appendices include both data tables and maps showing concentration isopleths of total halogenated volatile organic compounds (HVOCs) and total aromatic volatile organic compounds (AVOCs). Appendix F provides lithologic logs for the 10 borings drilled during the soil gas validation study. An analysis of the validation study is presented in the OU B Remedial Investigation Sampling and Analysis Plan (Radian, 1991).

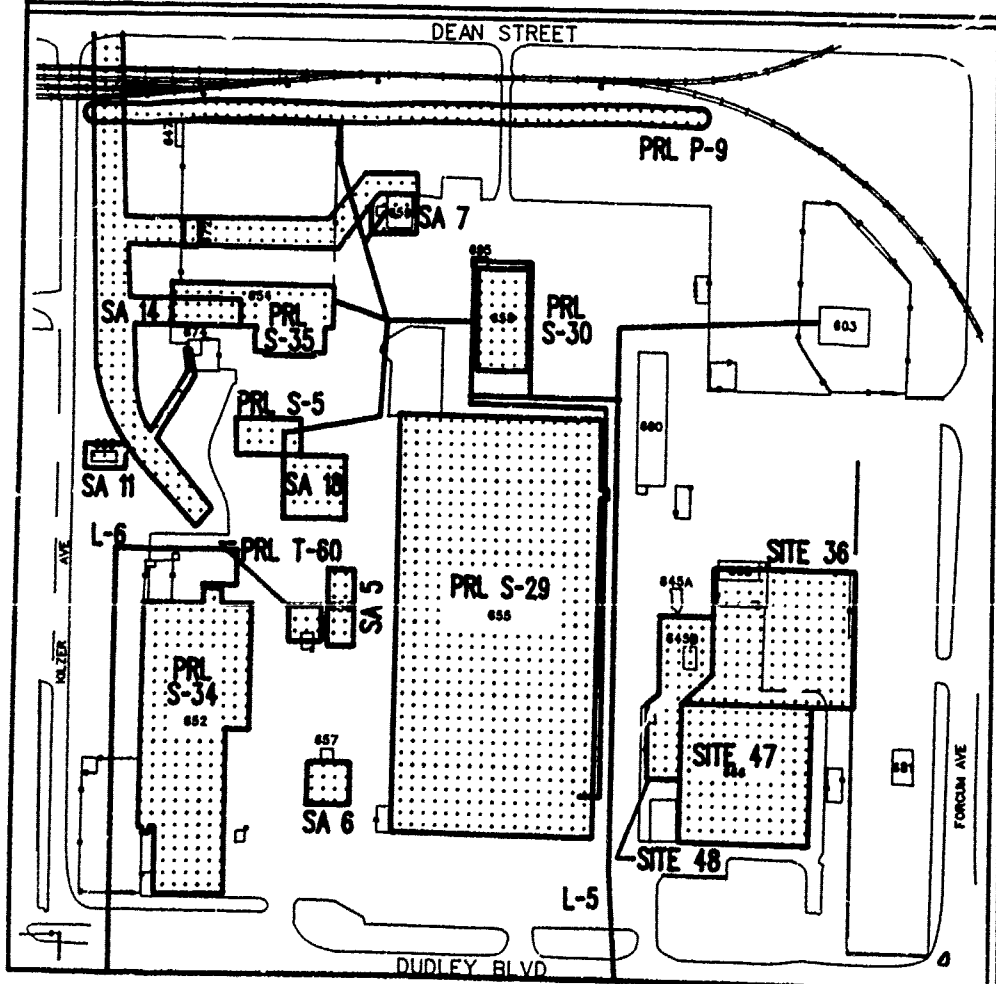


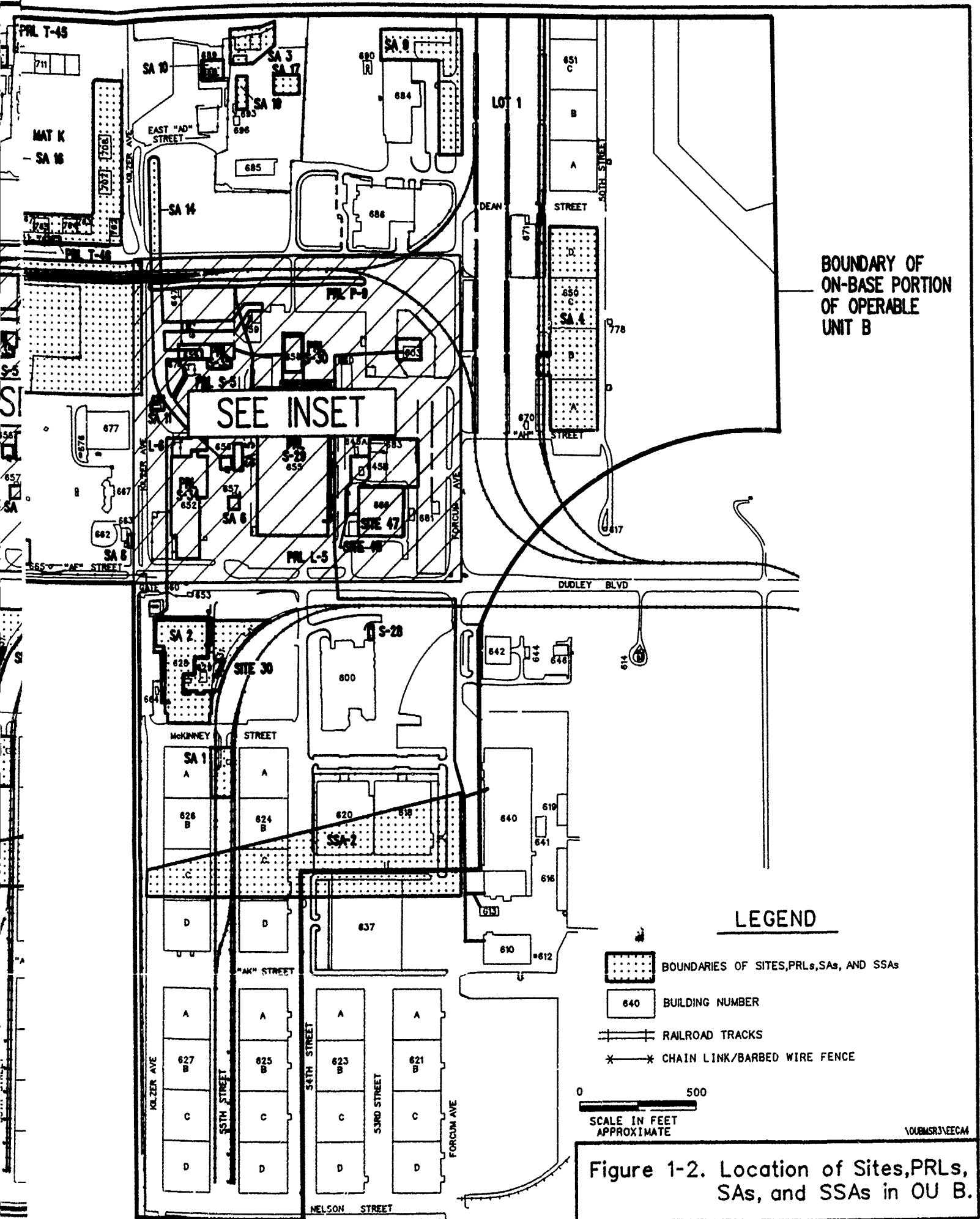
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2.0 TECHNICAL APPROACH

The following is a brief discussion of the sampling strategy and procedures used during the soil gas investigation. For a detailed presentation of the technical approach applied in the soil gas investigation, refer to the Operable Unit B (OU B) Soil Gas Investigation Work Plan (Radian, 1990a).

2.1 Soil Gas Sampling Strategy

(cont)

→ Soil gas sampling and analysis was used as a screening tool to identify areas where shallow soils and soil gas have been contaminated with volatile organic compounds¹ (VOCs). A total of 41 sites¹ were investigated during the investigation. These sites include 7 Sites, 14 Potential Release Locations (PRLs), 18 Study Areas (SAs), and 2 Special Study Areas (SSAs) (Table 2-1). With the exception of Site 24, the information obtained during this investigation will be used to select soil sampling locations for the OU B Remedial Investigation (OU B RI); data collected from Site 24, located in OU A, will be used in the OU A RI. (M.M.)

Soil gas samples collected during the OU B Soil Gas Investigation serve two purposes: 1) to help in locating areas where VOC contamination occurs in the soil, thereby targeting areas for future soil sampling; and 2) to delineate areas where VOCs in soil gas may require remediation. Soil gas contamination occurs when a fraction of the VOC liquid trapped in the soil (for example, at a waste disposal site where solvents containing VOCs were discharged into the ground) evaporates into the gas phase in the spaces between soil particles. The presence and migration of VOC contamination in soil gas depends upon a variety of parameters, including chemical and physical properties of the soil, extent of the VOC contamination; physical properties of the VOCs, and artificial obstructions and pathways (e.g., trenches and building foundations). In addition, the position of the soil gas probe in the soil relative to the VOC contamination source may also affect the ability of the probe to detect the contamination.

The VOCs enter soil gas as VOC-containing liquid migrates through pores between soil particles, and the volatile liquid constituents vaporize. Near-surface soil

¹ Throughout this report, the word "site" is used as a geographical reference within OU B, whether a building, the place an activity occurred, or an area under investigation. The words "site," "location," or "area" have been used interchangeably as geographic references. The word "site" is not intended to imply the confirmed presence of soil or groundwater contamination; such a reference would be to a "Site" or a "Confirmed Site."

TABLE 2-1. SITES STUDIED DURING THE OPERABLE UNIT B SOIL GAS INVESTIGATION

Sites	Potential Release Locations	Study Areas	Special Study Areas
Site 23	PRL L-5	SA 1	SSA 1
Site 24 ^a	PRL L-6	SA 2	SSA 2
Site 30	PRL P-2	SA 3	
Site 31	PRL P-9	SA 4	
Site 36	PRL S-5	SA 5	
Site 47	PRL S-13	SA 6	
Site 48	PRL S-28	SA 7	
	PRL S-29	SA 8	
	PRL S-33	SA 9	
	PRL S-34	SA 10	
	PRL S-35	SA 11	
	PRL T-8	SA 12	
	PRL T-45	SA 14	
	PRL T-46	SA 15	
		SA 16	
		SA 17	
		SA 18	
		SA 19	
TOTAL	7	14	2

^a The site was part of the soil gas validation study and is located in Operable Unit A.

PRL = Potential Release Location
 SA = Study Area
 SSA = Special Study Area

gas measurements reflect the fraction of the VOCs (in the gas phase) that are migrating upwardly or laterally. A larger fraction of the VOCs in the soil gas move downward by displacing less dense soil gases, which consist of a mixture of air, water vapor, and natural organic gases. The spreading VOC-contaminated soil gases are contaminant plumes similar to the contaminants distributed in groundwater except they are affected less by hydraulic gradients, especially near sources. Because VOC plumes decrease in concentration as they migrate away from source areas, VOC vapor concentrations in the soil gas will be greater closer to the VOC source.

The diversity of physical characteristics among the sites in OU B necessitated a variety of sampling strategies for placing soil gas probes. Strategies for placing initial soil gas probes were devised for: open unpaved areas, open areas where the pavement is 4 inches thick or less, paved open areas where the paving is greater than 4 inches thick, buildings or building foundations, known tank locations, unknown or uncertain tank locations, ditches, and underground pipelines.

2.2 Sampling Procedures

Soil gas sampling consisted of collecting syringe samples of soil gas from surface and downhole probes for on-site analysis and collecting canister samples of soil gas for off-site analysis. Soil sampling consisted of collecting samples in stainless steel sleeves during drilling operations for off-site analysis.

2.2.1 Soil Gas Sampling Procedures

The soil gas sample collection system consisted of a soil gas probe, a vacuum pump and gauge, Teflon® tubing, and a glass sampling syringe or stainless steel canister. An on-site field gas chromatograph (FGC) equipped with a flame ionization detector (FID) and an electron capture detector (ECD) was used to analyze soil gas samples and to provide rapid turnaround for decision-making by the sampling team.

The probes used for collecting soil gas samples consisted of chrome/molybdenum steel alloy tubes attached to a perforated, retractable, stainless steel probe tip (see Figures 2-1 and 2-2). Teflon® tubing extended from the retractable probe tip through the rod and exited at the top of the probe. A vacuum pump was used to evacuate the Teflon® tubing and collect a representative soil gas sample. The vacuum gauge was used to ensure that the appropriate vacuum was applied and that the tubing was free of obstructions or leaks. Glass syringes were used to collect the sample from

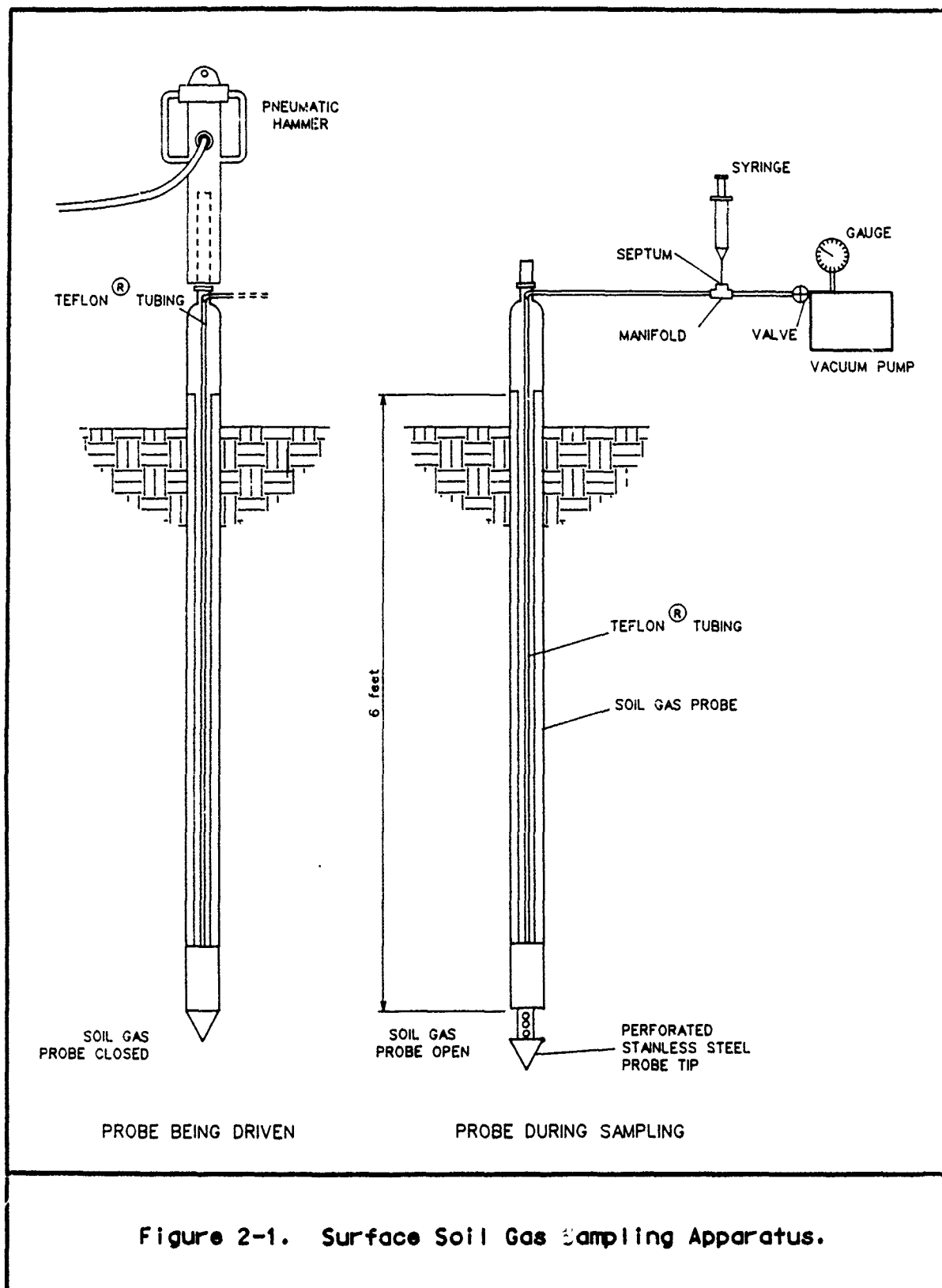
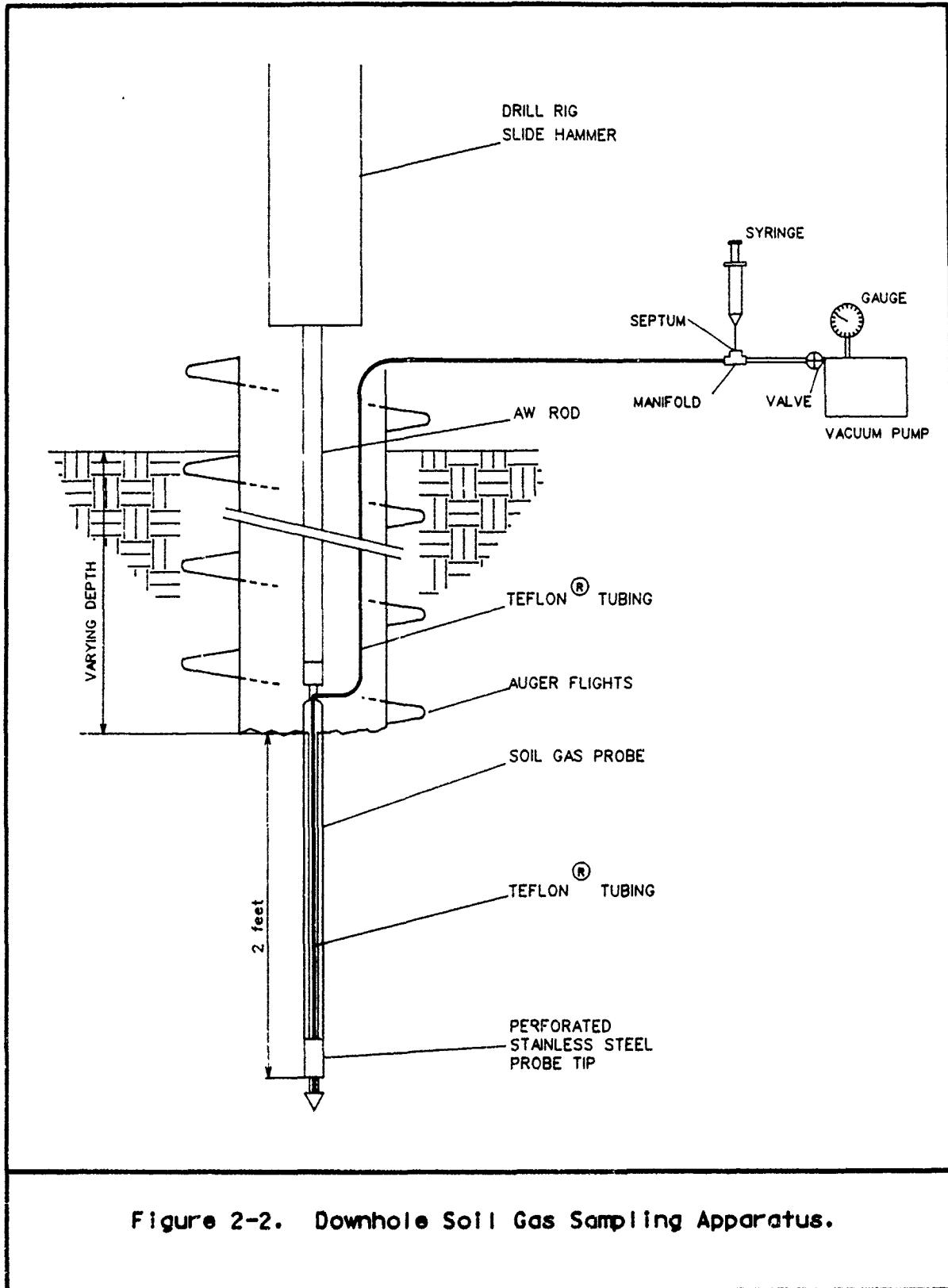


Figure 2-1. Surface Soil Gas Sampling Apparatus.

D02 SGPROBE 2/8/91



D02 SQPROBE 2/9/91

the soil gas drawn to the surface in the Teflon® tubing. For quality assurance and identification of compounds that could not be identified by FGC, samples were also collected using evacuated stainless steel canisters for off-site analysis.

Except for the equipment used to drive the soil gas probes into the ground, the procedures for collecting soil gas samples from shallow and deep soils were similar. In shallow soils, probes were driven a maximum of 6 feet into the ground with a pneumatic hammer (Figure 2-1). At depths greater than 6 feet, a hollow-stem auger rig was used to drill to the appropriate depth. At the required depth, the 140-pound slide hammer attached to the drill rig was used to drive the soil gas probe 2 feet beyond the auger head (Figure 2-2).

Once the probe was driven to the required depth, it was retracted a minimum of 3 inches to expose the perforated probe tip to the soil. The vacuum pump was then used to purge three to five tubing volumes of soil gas prior to sample collection. Soil gas samples were collected with syringes equipped with Mininert® valves and hypodermic needles. The syringes were inserted through a septum attached to a manifold, which consisted of Teflon® tubing and a stainless steel tee, at the point where the tubing exited the probe at the surface. A detailed description of soil gas syringe sampling is provided in Table 2-2. Canister samples were collected using the same general procedures as syringe samples, except the canisters were connected directly to the manifold and were opened to draw a soil gas sample under vacuum, as described in Table 2-3.

2.2.2 Soil Sampling Procedures

A hollow-stem auger was used to drill into the soil. The hollow-stem auger has a hollow helical drill tool that rotates to advance the boring and lifts formation materials (cuttings) to the surface. The hollow opening allows the insertion of sampling tools (e.g., split spoon sampler, downhole soil gas probe) with the augers in place to support the borehole.

A Mobile® B-53 drill rig equipped with 5.5-inch outer diameter (O.D.) hollow-stem augers was used to drill soil borings 6 inches in diameter and up to 80 feet deep. Each auger flight is 5 feet long and has an inside diameter of 3.5 inches. Prior to drilling at each location, all augers and drilling equipment that would come into contact with soil were thoroughly cleaned using high-pressure steam.

TABLE 2-2. DETAILED SOIL GAS SYRINGE SAMPLING PROCEDURES

-
1. Obtain "digging" permits through McClellan AFB Civil Engineering/Environmental Management (CE/EM).
 2. Measure probe locations on the ground surface and locate on the site map (probe locations will be measured from existing surveyed control points [wellheads or building corners]).
 3. Initiate field data sheet/chain-of-custody form.
 4. Lay plastic sheeting over site and set up probe driving equipment at sampling location.
 5. If paved, drill through pavement using a rotary hammer or rock drill.
 6. Retrieve a decontaminated probe and tip and assemble.
 7. Purge Teflon® tubing with vacuum pump for 3 to 5 minutes (7 to 10 for downhole samples).
 8. Drive surface probes 6 feet below ground surface (BGS) (3 feet minimum, if resistance is encountered). Drive downhole probes 2 feet past auger head. If obstruction is encountered, contact Radian Project Director immediately.
 9. Attach Teflon® tubing coming out of the probe to vacuum pump intake with Swagelok® fitting.
 10. Retract probe 2 to 3 inches to expose perforations in probe tip.
 11. Turn on vacuum pump and test vacuum (should be 10 to 29 inches of mercury). If vacuum is less than 10 inches of mercury, check for leaks or improper seal around probe, relocate probe after consulting with Radian Project Director. If vacuum is greater than 29 inches of mercury, retract probe another 2 to 3 inches while pulling vacuum until less than 29 inches of mercury is obtained; otherwise, relocate probe after consulting with Radian Project Director.
 12. Purge 3 to 5 tubing volumes of soil gas.
 13. Shut off pump valve and insert syringe hypodermic needle into sampling port septum in tubing.
 14. Purge syringe a minimum of three times before collecting sample by extracting 40 to 50 milliliters (mL) of soil gas into the syringe, removing syringe from the septum, and injecting it into a photoionization detector (PID) to get a real-time reading on the soil gas concentration.
 15. Collect sample by withdrawing 40 to 50 mL of soil gas into syringe, close mininert® valve on the syringe to isolate sample, and remove from septum.
-

(Continued)

TABLE 2-2. (Continued)

-
16. Cover syringe with black foam insulation; label sample with sample control number and complete chain-of-custody. Give sample and data sheet/chain-of-custody form to a Radian Sample Runner.
 17. Extract probe with jack and fill/patch hole with concrete.
 18. Purge Teflon® tubing with the vacuum pump 3 to 5 minutes (7 to 10 for downhole samples). If real-time PID readings exceed 3 parts per million by volume (ppmv), then tubing should be replaced.
 19. Mark locations with field tag or paint.
 20. Perform the following decontamination steps on probes/tips between probe locations:
 - Unclog perforations in the probe tip;
 - Wash probe with laboratory-grade detergent;
 - Steam clean probe (inside and outside);
 - Rinse probe with drinking water and reagent water; and
 - Rinse probe tip with methanol and cyclohexane.
-

TABLE 2-3. DETAILED SOIL GAS CANISTER SAMPLING PROCEDURES

-
1. Retrieve a pre-cleaned and certified 2.8 or 6 liter stainless steel canister for sampling.
 2. Attach the canister to the sampling manifold by means of a 1/4-inch Teflon® line with 1/4-inch stainless steel Swagelok® nuts and ferrules on either end.
 3. Attach the canister to the manifold at the tee which contains a nut and septum for syringe sampling.
 4. Attach the Teflon® line directly to the manifold and the side arm of the canister.
 5. Attach the vacuum pressure gauge to the top arm of the canister and open the valve briefly to record the initial vacuum pressure (P_1). P_1 should exceed negative 27 inches of mercury. Record this on chain-of-custody form.
 6. Purge the manifold with soil gas and allow to return to ambient pressure.
 7. Open top valve, check pressure, and record on chain-of-custody form. The pressure should be same as when initially checked.
 8. Collect the canister sample by opening the side valve and watching the vacuum gauge, the pressure should decrease slowly to -2 to -7 inches of mercury, close both valves and record final pressure (P_2) on chain-of-custody form.
 9. Cap the top and side valves of the canister with 1/4-inch Swagelok® caps to protect against leaking valves.
 10. Record the canister number and sampling location on the chain-of-custody form.
-

Continuous core samples were collected by conventional split spoon drive sampling and by the MOSS® sampling system. Samples were collected using a 5-foot continuous split barrel sampler containing 2.5-inch-diameter stainless steel sleeves. The sampling device was placed inside the lead auger. As the auger rotates, an undisturbed soil sample is forced up into the sampling device. Field information was logged onto geologic log forms and soil sample data sheets.

Soil samples were collected for chemical analysis from intervals of: 1-10 feet, 10-20 feet, 20-40 feet, 40-60 feet, and 60-80 feet if visual evidence or field photoionization detector (PID) readings indicated the presence of contamination. Sampling procedures and equipment are described in Section 5.7 of the McClellan AFB Quality Assurance Project Plan (QAPP) (Radian, 1990b). Samples were collected in stainless steel sleeves to provide an "undisturbed" solid sample (i.e., minimum handling and mixing).

2.3 Analytical Procedures

The following is a brief description of the analytical methods used to analyze the soil gas and soil samples collected during the OU B Soil Gas Investigation.

2.3.1 Soil Gas Analysis

On-site analysis of soil gas samples is a rapid screening procedure that provides same-day feedback to sampling personnel. The method was designed to detect a select group of VOCs that had been found previously in soil and water samples collected in OU B.

Soil gas syringe samples were analyzed using a Hewlett Packard 5890® Series II GC equipped with an ECD and FID. A 250-microliter, gas-tight syringe was used to remove an aliquot from the sampling syringe and inject it into the FGC. A "Y" splitter on the detector side of the FGC column allowed simultaneous detection of halogenated VOCs (HVOCs) on the ECD and aromatic VOCs (AVOCs) on the FID with a single injection. The halogenated compounds of interest were:

- trans-1,2-Dichloroethene (t-1,2-DCE);
- Chloroform;
- 1,1,1-Trichloroethane (1,1,1-TCA);
- Trichloroethene (TCE); and

- Tetrachloroethene (PCE).

Chloroform and 1,1,1-trichloroethane were found to coelute on the instrument and concentrations could not be measured separately (i.e., the peaks on the chromatograph were too close together to measure separately). The FGC/ECD was calibrated weekly with gas standards containing t-1,2-DCE, chloroform, 1,1,1-TCA, TCE, and PCE. The calibration standards for these compounds ranged from 10 to 100 parts per billion by volume (ppbv). Detection limits on the ECD range from .15 ppbv for PCE to 3 ppbv for t-1,2-DCE (Table 2-4). Refer to the OU B Soil Gas Quality Assurance/Quality Control letter report for a complete description of the detection limit study. Detection limits for individual samples were calculated by multiplying the method detection limit by the dilution factor.

The aromatic compounds of interest were:

- Benzene;
- Toluene;
- p-Xylene; and
- o-Xylene.

The FGC/FID was calibrated weekly with gas standards containing benzene, toluene, p-xylene, and o-xylene. The calibration standards for these compounds ranged from 5 to 50 parts per million by volume (ppmv). Detection limits on the FID ranged from 127 ppbv for toluene to 252 ppbv for benzene (Table 2-5). Detection limits for individual samples were calculated by multiplying the method detection limit by the dilution factor.

Canister samples were also collected at selected locations for more detailed laboratory analysis and compound speciation. Soil gas samples were collected in evacuated stainless steel canisters and analyzed using United States Environmental Protection Agency (U.S. EPA) Compendium Method TO-14. Samples were sent to two laboratories (Radian Analytical Services and Air Toxics Limited) for analysis. The method detection limits and analytes for each laboratory vary and are presented on Tables 2-6 and 2-7.

TABLE 2-4. METHOD DETECTION LIMIT FOR HALOGENATED VOCs USING THE FGC/ECD

Compound	ADL (ppbv)
trans-1,2-Dichloroethene	3.0
Chloroform/1,1,1-trichloroethane	0.64
Trichloroethene	0.81
Tetrachloroethene	0.15

ADL = Analytical detection limit for the FGC.
ppbv = Parts per billion by volume.

TABLE 2-5. METHOD DETECTION LIMIT FOR AROMATIC VOCs USING THE FGC/FID

Compound	ADL (ppbv)
Benzene	252
Toluene	127
p-Xylene	224
o-Xylene	242

ADL = Analytical detection limit for the FGC.
ppbv = Parts per billion by volume.

**TABL' 2-6. METHOD DETECTION LIMITS FOR U.S. EPA METHOD TO-14 GC/MS
 FULL SCAN COMPOUNDS (RADIAN ANALYTICAL SERVICES)**

Compound	MDL (ppbv)
Benzene	0.53
Bromochloromethane	0.68
Bromodichloromethane	0.47
Bromoform	0.47
Bromomethane	0.64
1,3-Butadiene	0.66
Carbon tetrachloride	0.41
Chlorobenzene	0.48
Chloroethane	0.67
Chloroform	0.37
Chloromethane	0.40
Chloroprene	0.38
Dibromochloromethane	0.53
m-Dichlorobenzene	0.41
o-Dichlorobenzene	0.57
p-Dichlorobenzene	0.72
1,1-Dichloroethane	0.51
trans-1,2-Dichloroethene	3.0
1,2-Dichloropropane	0.41
cis-1,3-Dichloropropene	0.53
trans-1,3-Dichloropropene	0.66
Ethylbenzene	0.56
Methylene chloride	0.70
n-Octane	1.0
Propylene	3.5
Styrene	0.49
i,1,2,2-Tetrachloroethane	0.66
Tetrachloroethene	0.57
Toluene	0.81
1,1,1-Trichloroethane	0.43
Vinyl chloride	0.42
o-Xylene	0.41
m + p-Xylenes	0.35

MDL = Method detection limit.
 ppbv = Parts per billion by volume.

**TABLE 2-7. CANISTER METHOD DETECTION LIMITS FOR U.S. EPA METHOD
TO-14 GC/MS FULL SCAN COMPOUNDS (AIR TOXICS LTD.)**

Compound	MDL (ppbv)
Freon® 12	1.0
Freon® 114	1.0
Chloromethane	1.0
Vinyl chloride	1.0
Bromomethane	1.0
Chloroethane	1.0
Freon® 11	1.0
1,1-Dichloroethene	1.0
Freon® 113	1.0
Methylene chloride	1.0
1,1-Dichloroethane	1.0
cis-1,2-Dichloroethene	1.0
Chloroform	1.0
1,1,1-Trichloroethane	1.0
Carbon tetrachloride	1.0
Benzene	1.0
1,2-Dichloroethane	1.0
Trichloroethene	1.0
1,2-Dichloropropane	1.0
trans-1,3-Dichloropropene	1.0
Toluene	1.0
cis-1,3-Dichloropropene	1.0
1,1,2-Trichloroethane	1.0
Tetrachloroethene	1.0
Ethylene Dibromide	1.0
Chlorobenzene	1.0
Ethyl benzene	1.0
m,p-Xylene	1.0
o-Xylene	1.0
Styrene	1.0
1,1,2,2-Tetrachloroethane	1.0
1,3,5-Trimethylbenzene	1.0
1,2,4-Trimethylbenzene	1.0
1,3-Dichlorobenzene	1.0
1,4-Dichlorobenzene	1.0
1,2-Dichlorobenzene	1.0
1,2,4-Trichlorobenzene	1.0

(Continued)

TABLE 2-7. (Continued)

Compound	MDL (ppbv)
Propylene	1.0
1,3-Butadiene	10*
Chloroprene	10*
Acetone	1.0
Cyclohexane	1.0
n-Octane	1.0
Bromoform	1.0

MDL = Method detection limit.

ppbv = Parts per billion by volume.

* = Estimated detection limit.

2.3.2 Soil Analysis

Soils were analyzed for the following:

- Metals (Method 6010);
- Mercury (Method 7471);
- Pesticides and PCBs (Method 8080);
- VOCs (Method 8240);
- Semivolatile organic compounds (Method 8270);
- Dioxins and dibenzofurans (Method 8280);
- pH (Method 9045); and
- Water content (ASTM D2216).

The analytical methods and detection limits are described in Section 8.3 of the McClellan AFB QAPP (Radian, 1990b).

2.4 Decision Levels

Soil gas decision levels were established to provide a repeatable, systematic method for determining when additional soil gas probes were needed to determine the extent of a soil gas plume.

Independent soil gas concentration criteria were established for HVOCs and AVOCs. The decision level for any HVOC was 50 ppbv and the decision level for any AVOC or "unknown" compound was 500 ppbv. For a full description on how these criteria were determined, refer to the OU B Soil Gas Investigation Work Plan (Radian, 1990a).

For example, if the concentration of a HVOC detected in soil gas was equal to or greater than 50 ppbv, four additional step-out probes, one each on the north, south, east, and west sides of the original probe were assigned and sampled. Step-out probes were generally spaced 50 feet away from the original probe, except for probes along the Industrial Wastewater Line (IWL), which were spaced 25 feet apart. However, if pre-existing probe locations were in the vicinity of artificial obstructions (e.g., buildings), step-outs were not taken. Samples affected by high background or baseline drift in the FGC were not used to determine if additional step-out probes were required because the precision and accuracy of these data were suspect.

2.5 Database/Isopleth Plotting

After all soil gas samples were analyzed for a particular site, the analytical results, along with the soil gas probe locations, were stored in a computer. Isopleth (lines of equal VOC concentration in ppbv) maps were generated using the programs, GRID® and TOPO®, to graphically display soil gas target areas in OU B. GRID® creates a regularly spaced grid from irregularly spaced data. The grid spacing was 5, 10, 12.5, or 25 feet. Using TOPO®, the gridded data are plotted in an isopleth map of the site. The isopleth maps will be used to select soil sampling locations for the OU B RI and are provided in Appendix A.

3.0 ANALYTICAL RESULTS

This section presents analytical results for the soil gas and soil samples. Table 3-1 lists the sites where soil gas (syringe, canister, and downhole) and soil samples were collected. Site maps showing probe locations and isopleth maps depicting concentrations of total halogenated volatile organic compounds (HVOCs) and total aromatic volatile organic compounds (AVOCs) are presented in Appendix A. Total HVOC concentrations are the sum of the concentrations of trichloroethene (TCE), tetrachloroethene (PCE), trans-1,2-dichloroethene (t-1,2-DCE), 1,1,1-trichloroethane (1,1,1-TCA) and chloroform detected in soil gas samples. Total AVOC concentrations are the sum of the concentrations of benzene, toluene, and xylenes detected in soil gas samples. Syringe, canister, and downhole soil gas and soil sample data are presented in Appendices B, C, D, and E, respectively. Lithologic and drilling logs from the 10 soil borings are presented in Appendix F.

3.1 Isopleth Maps

Total HVOC and AVOC concentration isopleth maps were only prepared for sites at which one or more of the 8 analyte contaminants were detected (Appendix A). Isopleth maps for individual compounds were not made because the total HVOC and AVOC isopleth maps show the general contaminant plume trends and give a better indication of total contamination at a site. Because of limitations in the contouring program, TOPO®, the isopleth maps only represent the approximate isoconcentration lines (i.e., the contouring program "smoothed" the lines for presentation purposes).

Isopleth maps for sites in five areas of Operable Unit (OU) B were combined due to the close proximity of sites and soil gas probe locations. These combined areas depict the areal distribution of the soil gas plumes. The five areas are: the Building 655 area, the Building 628 area, the Building 688 area, Defense Reutilization and Marketing Office (DRMO) storage area, and Mat K (Table 3-2). The Building 655 area is bounded by Dudley Boulevard, Forcum Avenue, Dean Street, and Kilzer Avenue and encompasses 16 sites. The Building 628 area is bounded by Dudley Boulevard, Kilzer Avenue, McKinny Avenue, and 54th Street and encompasses three sites. The Building 688 area is the area between Building 688, Building 696, Magpie Creek, and Building 690 and encompasses 4 study areas. The DRMO storage area encompasses three sites. The Mat K area includes the probe locations on the closed sides of the aircraft hangars and encompasses three sites. Individual site isopleth maps

**TABLE 3-1. SAMPLES COLLECTED AT SITES, PRLs, SAs, AND SSAs DURING
THE OPERABLE UNIT B SOIL GAS INVESTIGATION**

Sites	Soil Gas			Soil
	Syringe ^a	Canister ^b	Downhole ^c	Sleeve ^d
Site 23	✓	✓	✓	✓
Site 24	✓		✓	✓
Site 30	✓	✓		
Site 31	✓			
Site 36	✓	✓		
Site 47	✓	✓		
Site 48	✓	✓		
PRL L-5	✓	✓		
PRL L-6	✓	✓		
PRL P-2	✓			
PRL P-9	✓			
PRL S-5	✓			
PRL S-13	✓	✓		
PRL S-28	✓	✓		
PRL S-29	✓			
PRL S-33	✓			
PRL S-34	✓	✓		
PRL S-35	✓	✓		
PRL T-8	✓	✓		
PRL T-45	✓			
PRL T-46	✓			
SA 1	✓			
SA 2	✓			
SA 3	✓			
SA 4	✓	✓		
SA 5	✓			
SA 6	✓			
SA 7	✓	✓		
SA 8	✓			
SA 9	✓			
SA 10	✓	✓		
SA 11	✓	✓		
SA 12	✓	✓		
SA 14	✓			

(Continued)

TABLE 3-1. (Continued)

Sites	Soil Gas			Soil
	Syringe ^a	Canister ^b	Downhole ^c	Sleeve ^d
SA 15	✓			
SA 16	✓	✓		
SA 17	✓			
SA 18	✓			
SA 19	✓	✓		
SSA 1	✓			
SSA 2	✓	✓		

^a Soil gas syringe samples collected from shallow soils.

^b Soil gas canister samples collected from shallow soils.

^c Soil gas syringe samples collected from deep soils.

^d Soil samples collected in stainless steel sleeves.

PRL = Potential Release Location

SA = Study Area

SSA = Special Study Area

TABLE 3-2. SITES INCLUDED IN COMBINED OPERABLE UNIT B ISOPLETH MAPS

Building 628	Building 655	Building 688	DRMO	Mat K
Site 30	Site 36	SA 3	Site 31	PRL T-8
PRL L-6	Site 47	SA 10	PRL P-2	PRL T-46
SA 2	Site 48	SA 17	SA 12	SA 16
	PRL L-5	SA 19		
	PRL L-6			
	PRL P-9			
	PRL S-5			
	PRL S-29			
	PRL S-34			
	PRL S-35			
	SA 5			
	SA 6			
	SA 7			
	SA 8			
	SA 11			
	SA 14			
	SA 18			

Building 628 = Bounded by Dudley Boulevard, Kilzer Avenue, McKinney Avenue, and 54th Street.
 Building 655 = Bounded by Dudley Boulevard, Kilzer Avenue, Dean Street, and Forcum Avenue.
 Building 688 = Bounded by Magpie Creek, Building 688, Building 696, and Building 690.
 DRMO = Defense Reutilization and Marketing Office storage area.
 Mat K = Aircraft refueling area.
 PRL = Potential Release Location.
 SA = Study Area.

were not prepared for the sites that are included in these areal isopleth maps. No isopleth map was prepared for PRL T-45 because only one probe was sampled at the location.

Some of the analytical results for AVOCs obtained during the investigation are suspect because of high background or baseline drift in the field gas chromatograph, which may cause the AVOC concentrations to be larger than their actual concentrations. Therefore, the isopleth maps for AVOCs may overstate the concentration and extent of AVOC contamination, but still provide general insight into the soil gas plume present.

3.2 Soil Gas Results

Seven hundred and twenty-five soil gas syringe samples (Appendix B), 30 soil gas canister samples (Appendix C), and 50 downhole soil gas samples (Appendix D) were collected and analyzed during the OU B Soil Gas Investigation (see Table 3-1). Concentrations for individual contaminants ranged from not detected to 5,960,000 parts per billion by volume (ppbv). Complete results are included in the appropriate appendices.

3.3 Soil Results

Sixty-three soil samples were collected and analyzed from 10 borings completed at Site 23 and Site 24; soil analytical results are presented in Appendix E. Detected compounds include: seven VOCs, two semivolatile organic compounds (SVOCs), two polychlorinated biphenyls (PCBs) and pesticides, four dioxins, and several metals. Appendix F presents the lithologic and drilling log forms for the 10 borings.

4.0 RECOMMENDATIONS

Recommendations for the Sites, Potential Release Locations (PRLs), Study Areas (SAs), and Special Study Areas (SSAs) investigated during the Operable Unit (OU) B Soil Gas Investigation are summarized on Table 4-1. The recommendation alternatives for each site are:

- **No Further Action (NFA):** This recommendation cannot be made based solely on available soil gas data because the data are only intended for screening of a site for VOCs. Additional soil information is required before the NFA status can be assigned to the site. Therefore, it is recommended that soil samples be collected and analyzed to evaluate potential soil contamination before the NFA designation can be assigned to the site.
- **Collect Additional Soil Gas Samples:** Additional soil gas samples should be collected at the site during the early stages of the Remedial Investigation (RI) to determine the extent of soil gas contamination. The recommendation applies to sites where all of the initial and step-out soil gas probes were sampled but additional soil gas samples may be needed to fully characterize the VOC plume in soil gas.
- **Proceed to RI, Source Identification:** No *soil gas targets* were identified for the site based on analytical data obtained during the OU B Soil Gas Investigation. The Operable Unit B Remedial Investigation Sampling and Analysis Plan (OU B RI SAP) establishes a *soil gas target* as an area with soil gas results exceeding 100 parts per billion by volume (ppbv) for each HVOC, 500 ppbv for each AVOC, or exceeding 1,000 ppbv for total HVOCs or AVOCs (Radian, 1991). At these sites, soil samples should be collected as part of the RI to determine if any sources of contamination (VOC or non-VOC) are present.

**TABLE 4-1. PRELIMINARY RECOMMENDATIONS FOR FURTHER INVESTIGATION
FOR SITES, POTENTIAL RELEASE LOCATIONS, STUDY AREAS,
AND SPECIAL STUDY AREAS IN OPERABLE UNIT B**

Location	No Further Action	Additional Soil Gas Samples	Proceed to RI - Source Identification	Proceed to Source Identification RI - Soil Gas Targets
Site 23		✓		✓
Site 24				✓
Site 30		✓		✓
Site 31			✓	
Site 36		✓		✓
Site 47		✓		✓
Site 48		✓		✓
PRL L-5		✓		✓
PRL L-6		✓		✓
PRL P-2			✓	
PRL P-9				✓
PRL S-5				✓
PRL S-13		✓		✓
PRL S-28				✓
PRL S-29				✓
PRL S-33			✓	
PRL S-34				✓
PRL S-35				✓
PRL T-8		✓		✓
PRL T-45		✓	✓	
PRL T-46				✓
SA 1			✓	
SA 2				✓
SA 3				✓
SA 4		✓		✓
SA 5				✓
SA 6				✓
SA 7				✓
SA 8			✓	
SA 9		✓		✓
SA 10		✓		✓
SA 11		✓		✓
SA 12				✓
SA 14		✓		✓
SA 15			✓	
SA 16		✓		✓
SA 17			✓	
SA 18				✓
SA 19				✓
SSA 1			✓	
SSA 2		✓		✓

PRL = Potential Release Location
 SA = Study Area
 SSA = Special Study Area

- **Proceed to RI, Soil Gas Targets:** Soil gas contaminant concentrations above the *soil gas target criteria* were detected at the site. These areas should be investigated during the RI to determine the presence and extent of VOC contamination in soils. Soil and downhole soil gas samples should be collected and analyzed to determine the presence and extent of VOC contamination.

Recommendations are preliminary and will be reevaluated during the OU B RI. None of the sites were considered sufficiently characterized to warrant recommending NFA. A total of 17 Sites, PRLs, SAs, and SSAs require additional downhole soil gas data to fully characterize the soil gas plumes. Seven Sites, PRLs, SAs, and SSAs are recommended for source characterization during the OU B RI. Thirty-three sites, PRLs, SAs, and SSAs are recommended for soil gas target investigation during the RI.

5.0

REFERENCES

Radian Corporation, 1990a. "Installation Restoration Program, Stage 7, Operable Unit B Soil Gas Investigation Workplan." Informational Document. Prepared for McClellan AFB/EM, McClellan AFB, California. July.

Radian Corporation, 1990b. "Installation Restoration Program, Stage 2, Quality Assurance Project Plan." Final. Prepared for McClellan AFB/EM, McClellan AFB, California. May.

Radian Corporation, 1991. "Installation Restoration Program, Stage 7, Operable Unit B Remedial Investigation Sampling and Analysis Plan." Working Copy. Prepared for McClellan AFB/EM, McClellan AFB, California. January.

APPENDIX A

Soil Gas Sampling Location and
Concentration Isopleth Maps

APPENDIX A
Index to Figures

Site/PRL/SA/SSA	Figure/Plate Numbers
Site 23	A-1, A-2
Site 24	A-3, A-4, A-5
Site 30	A-6, A-71, A-72, A-73
Site 31	A-7, A-65, A-66, A-67
Site 36	A-8; Plates A-1, A-2, A-3
Site 47	A-9; Plates A-1, A-2, A-3
Site 48	A-10; Plates A-1, A-2, A-3
PRL L-5	A-15, A-16, A-17, A-18; Plates A-1, A-2, A-3
PRL L-6	A-19, A-20, A-21, A-71, A-72, A-73; Plates A-1, A-2, A-3
PRL P-2	A-11, A-65, A-66, A-67
PRL P-9	A-12, A-13, A-14; Plates A-1, A-2, A-3
PRL S-5	A-22; Plates A-1, A-2, A-3
PRL S-13	A-23, A-24
PRL S-28	A-25, A-26
PRL S-29	A-27; Plates A-1, A-2, A-3
PRL S-33	A-28, A-29
PRL S-34	A-30; Plates A-1, A-2, A-3
PRL S-35	A-31; Plates A-1, A-2, A-3
PRL T-8	A-32, A-68, A-69, A-70
PRL T-45	A-33
PRL T-46	A-34, A-68, A-69, A-70
SA-1	A-35, A-36
SA-2	A-37, A-71, A-72, A-73
SA-3	A-38, A-74, A-75, A-76
SA-4	A-39, A-40, A-41
SA-5	A-42; Plates A-1, A-2, A-3
SA-6	A-43; Plates A-1, A-2, A-3
SA-7	A-44; Plates A-1, A-2, A-3
SA-8	A-45; Plates A-1, A-2, A-3
SA-9	A-46, A-47, A-48
SA-10	A-49, A-74, A-75, A-76
SA-11	A-50; Plates A-1, A-2, A-3
SA-12	A-51, A-65, A-66, A-67
SA-14	A-52, A-53, A-54; Plates A-1, A-2, A-3
SA-15	A-55, A-56
SA-16	A-57, A-68, A-69, A-70
SA-17	A-58, A-74, A-75, A-76
SA-18	A-59; Plates A-1, A-2, A-3

(Continued)

APPENDIX A
Index to Figures (Continued)

Site/PRL/SA/SSA	Figure/Plate Numbers
SA-19	A-60, A-74, A-75, A-76
SSA-1	A-61, A-62
SSA-2	A-63, A-64
DRMO	A-65, A-66, A-67
MAT K	A-68, A-69, A-70
Building 628	A-71, A-72, A-73
Building 655	Plates A-1, A-2, A-3
Building 688	A-74, A-75, A-76

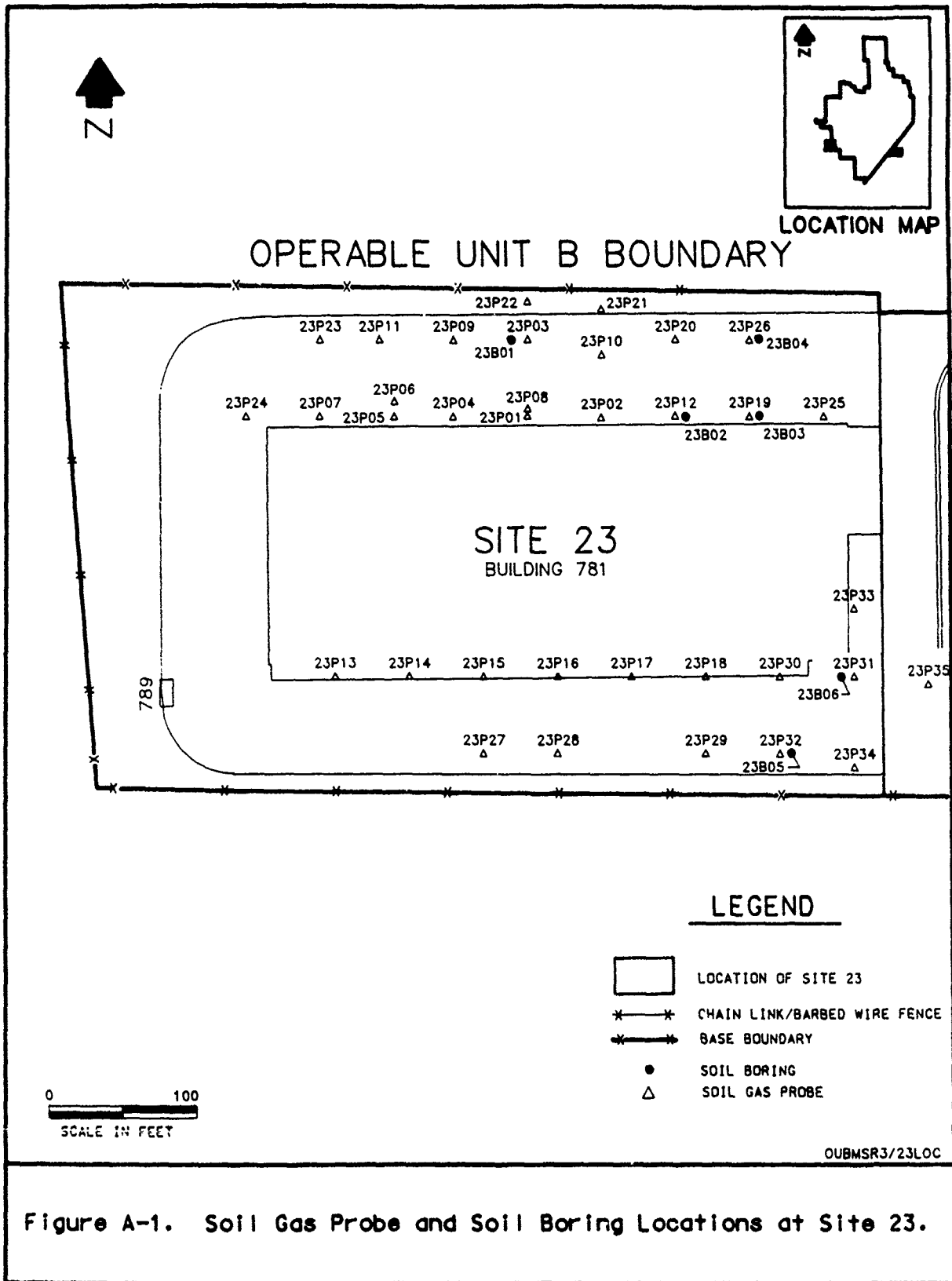
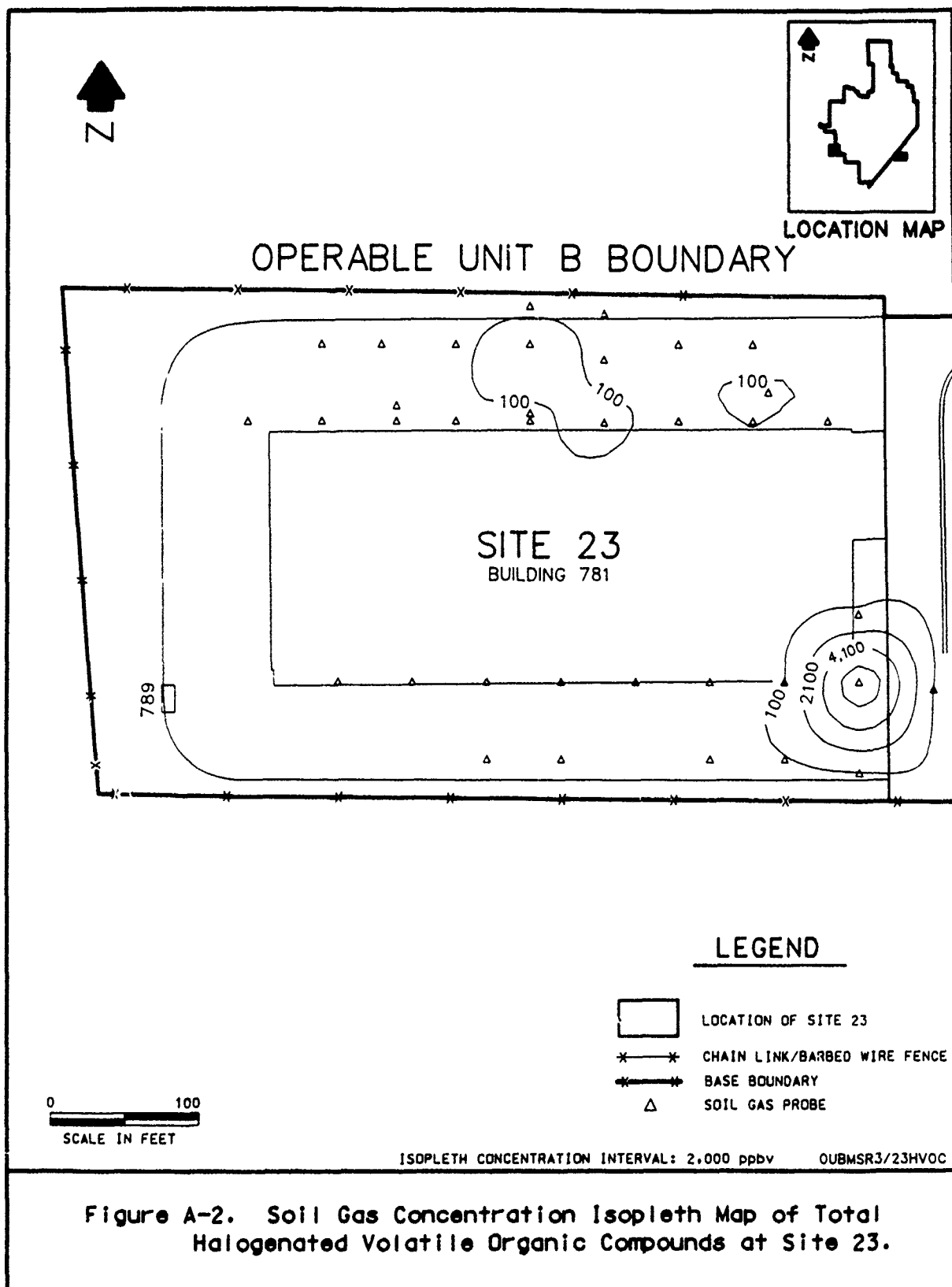
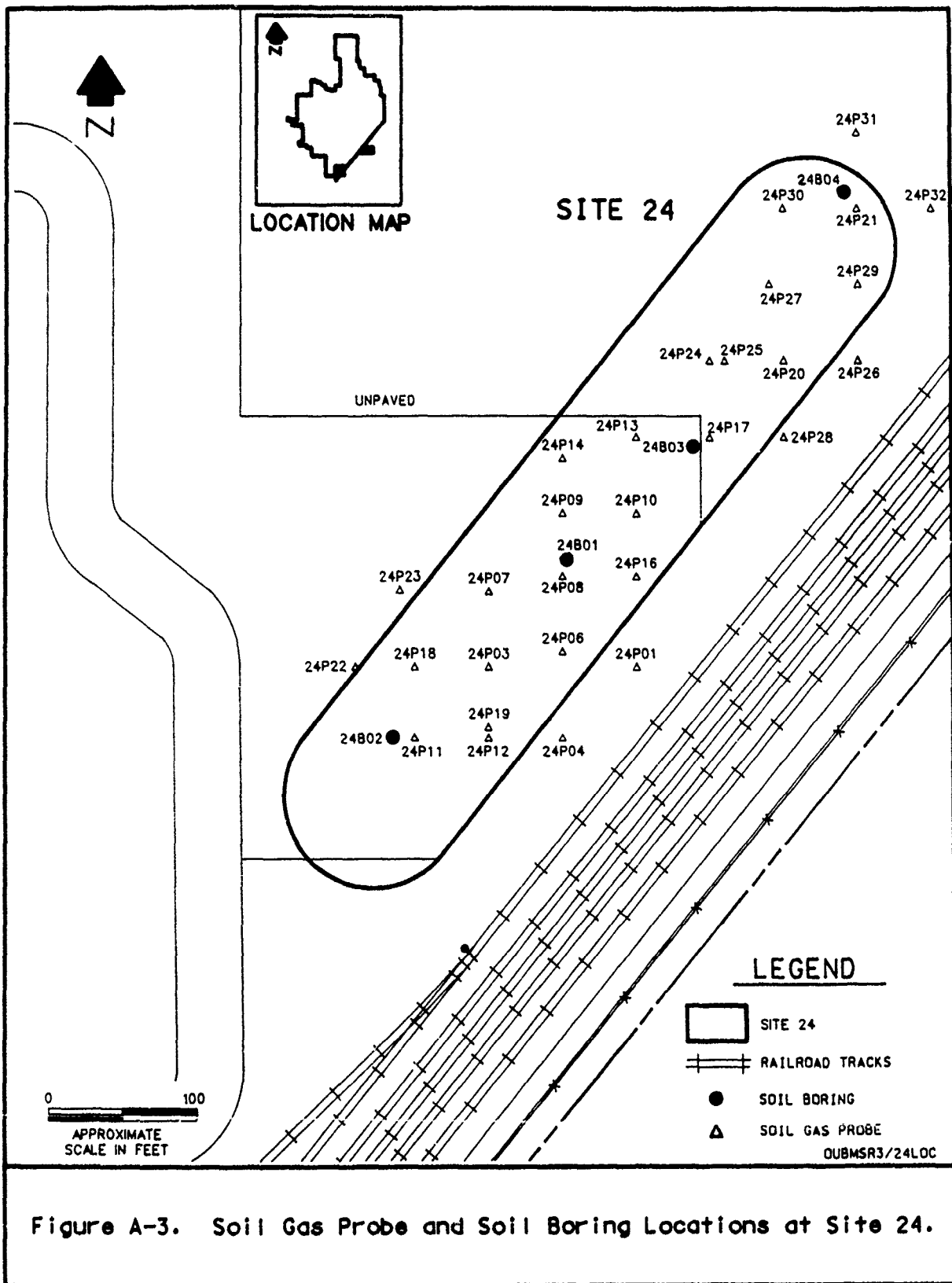
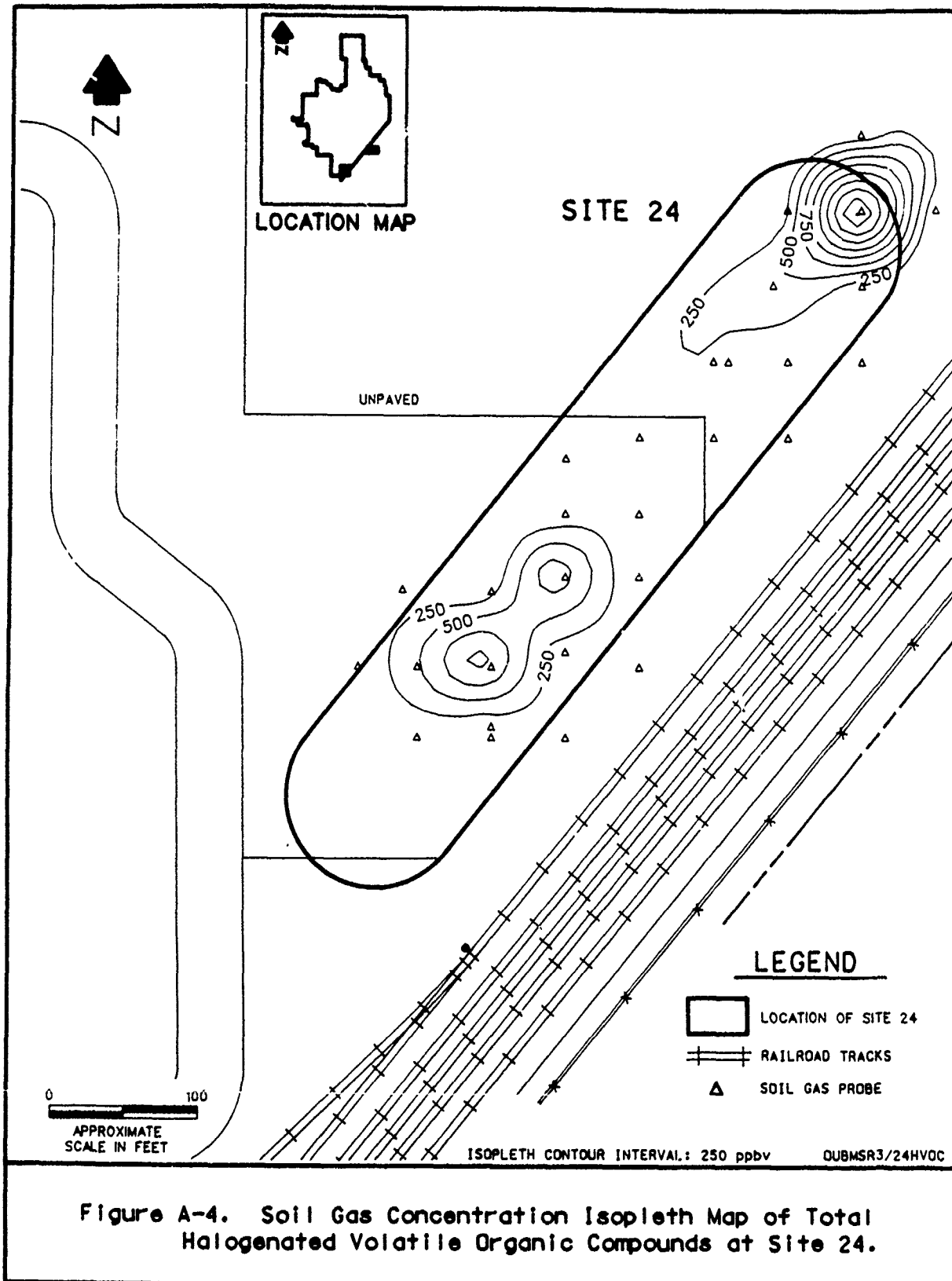
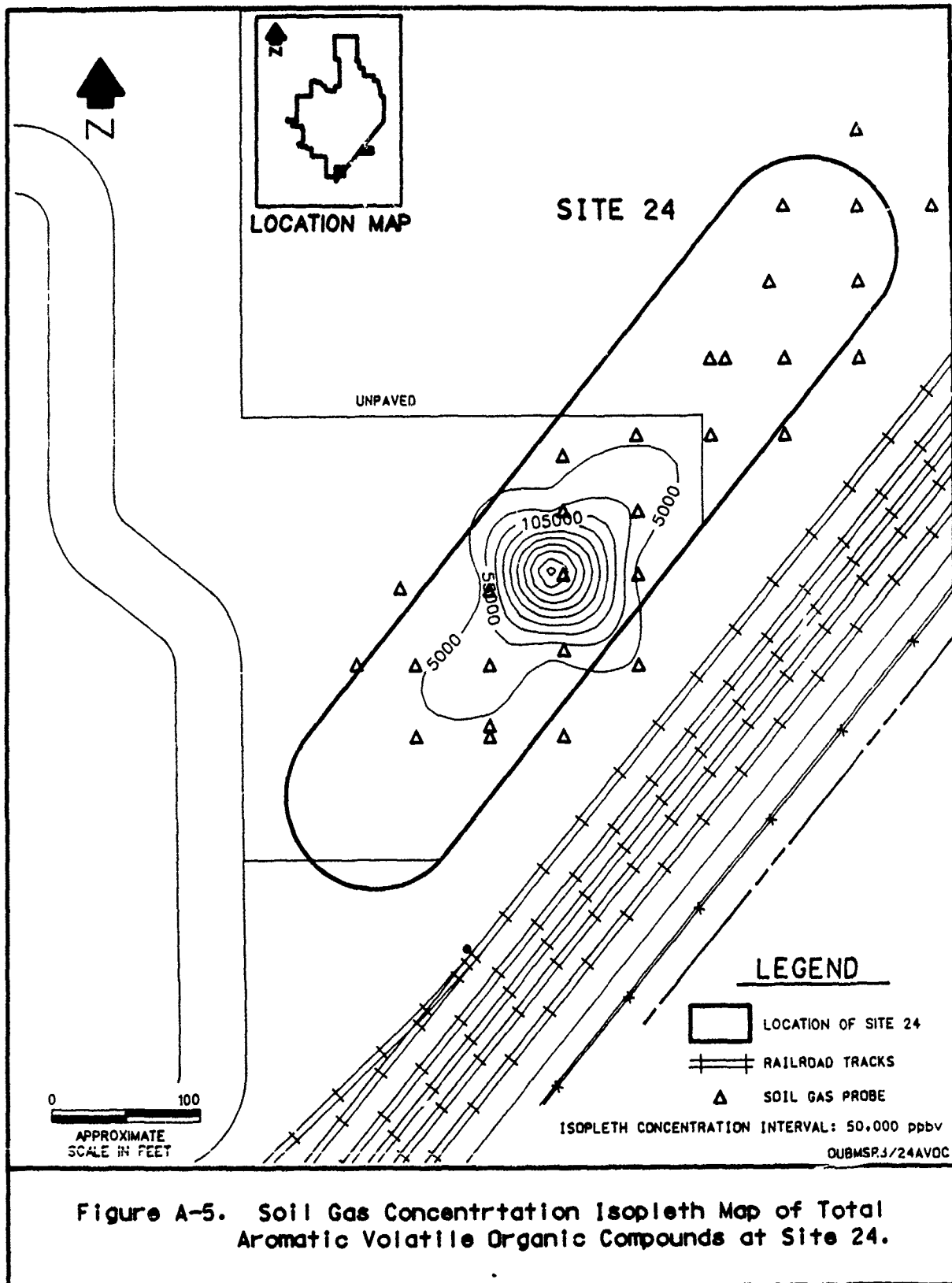


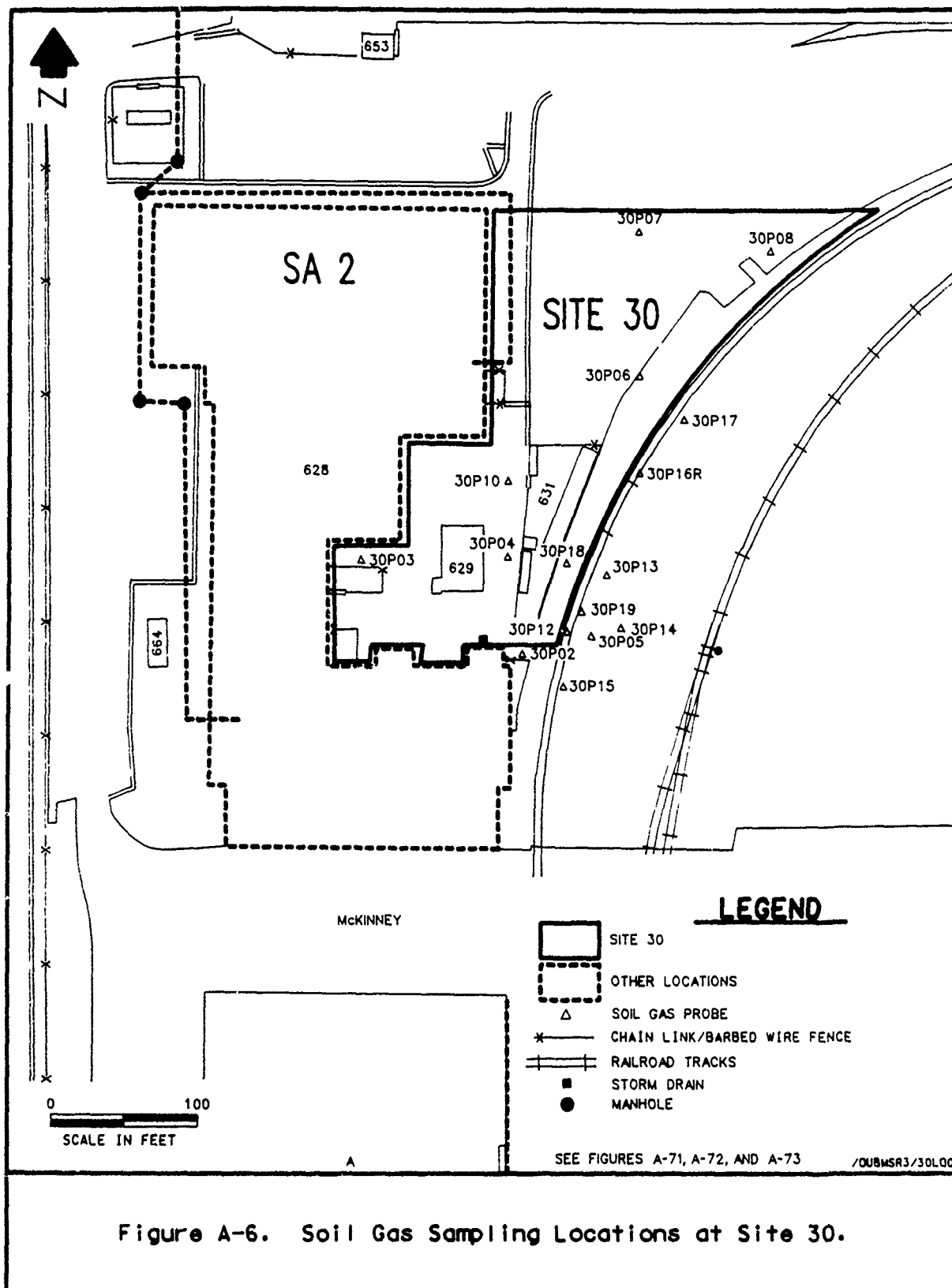
Figure A-1. Soil Gas Probe and Soil Boring Locations at Site 23.

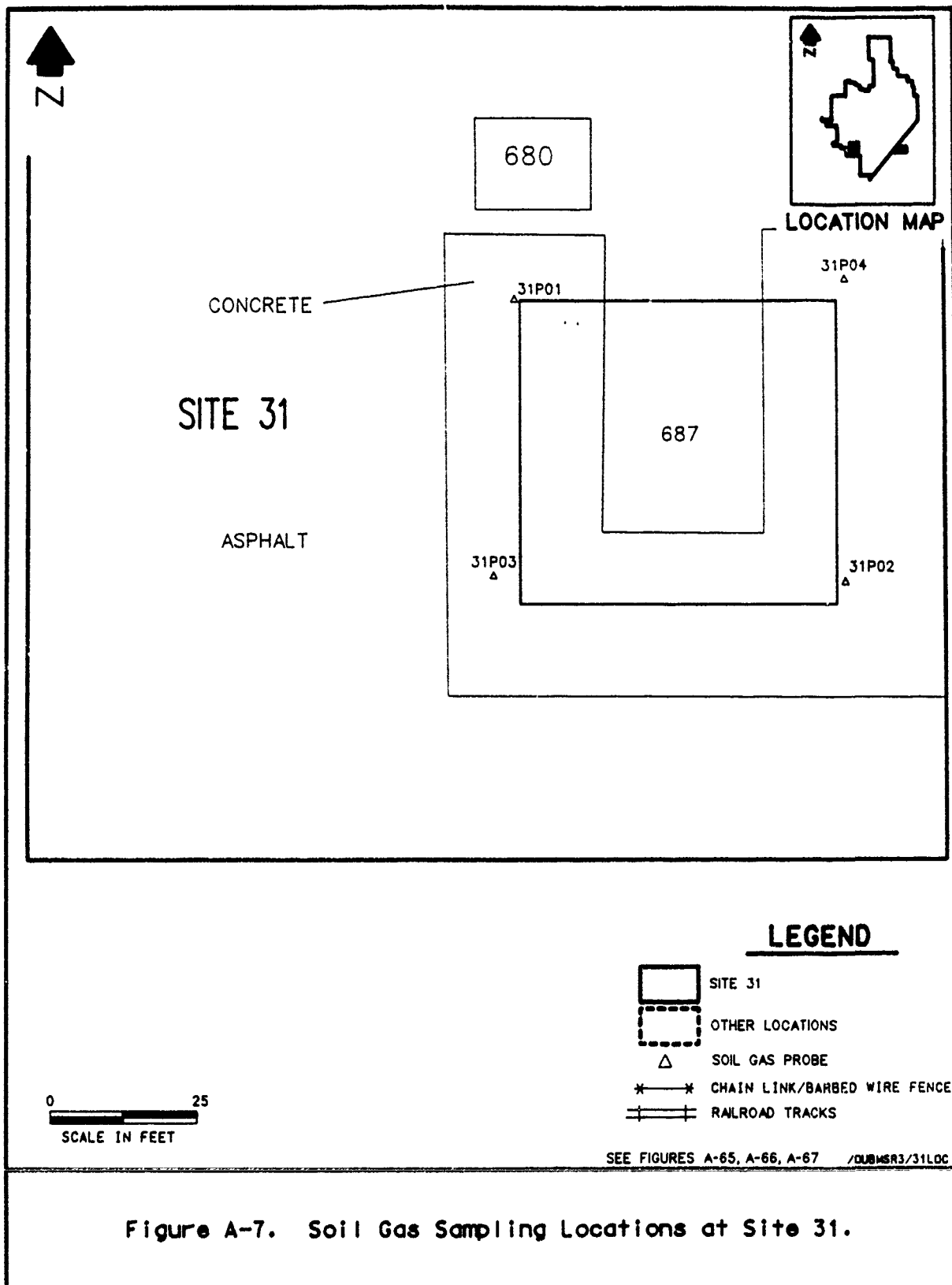


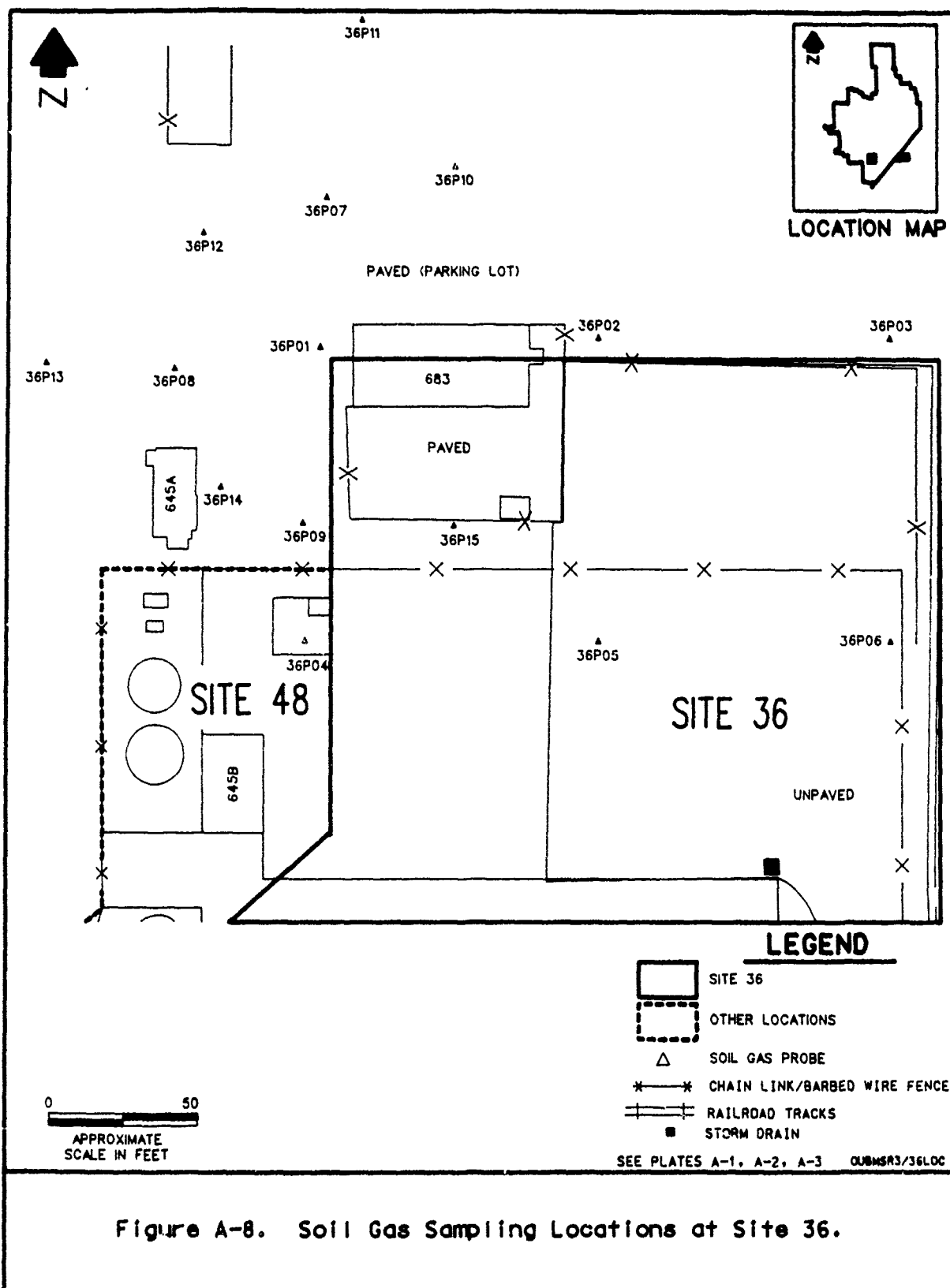


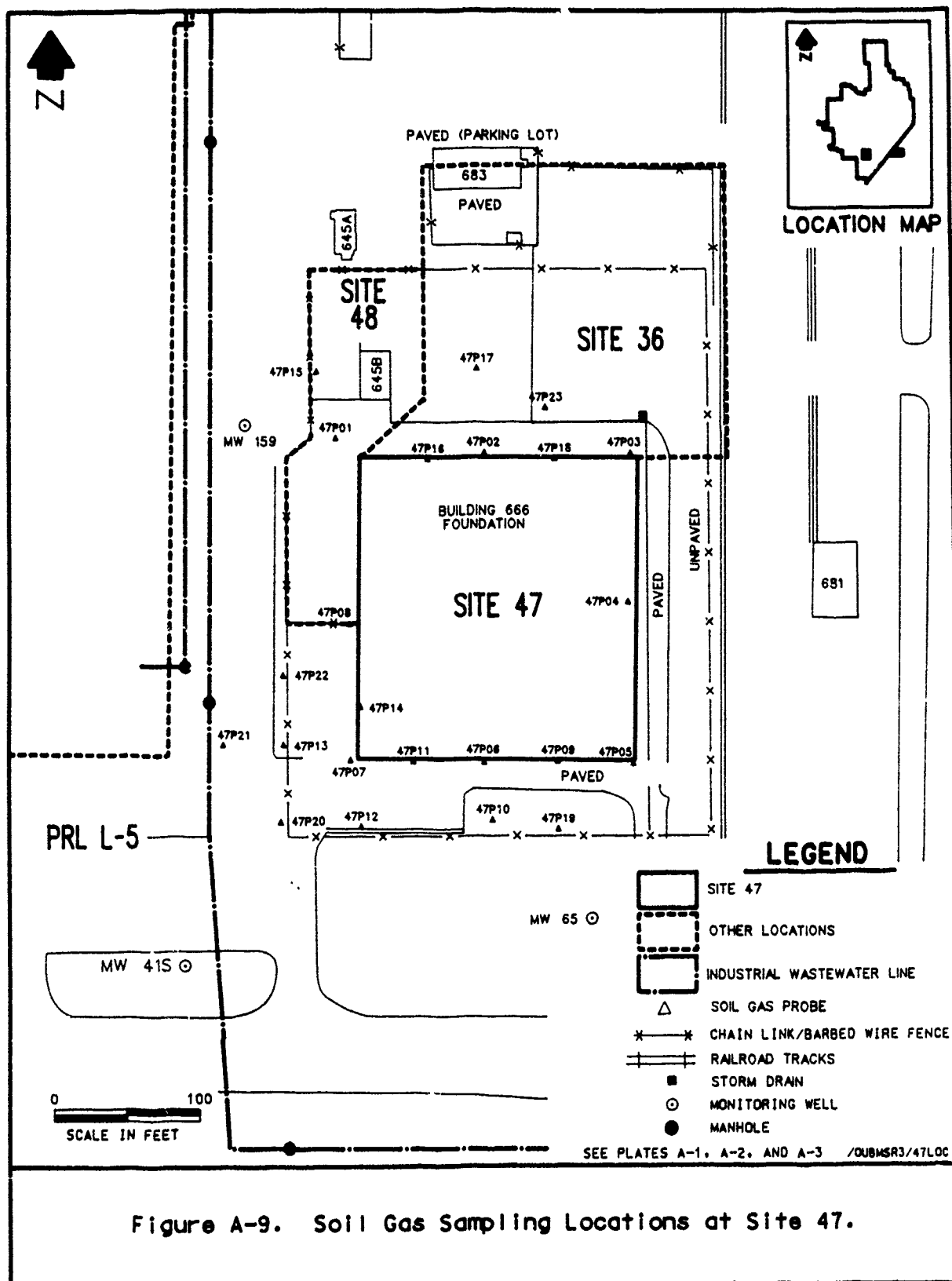


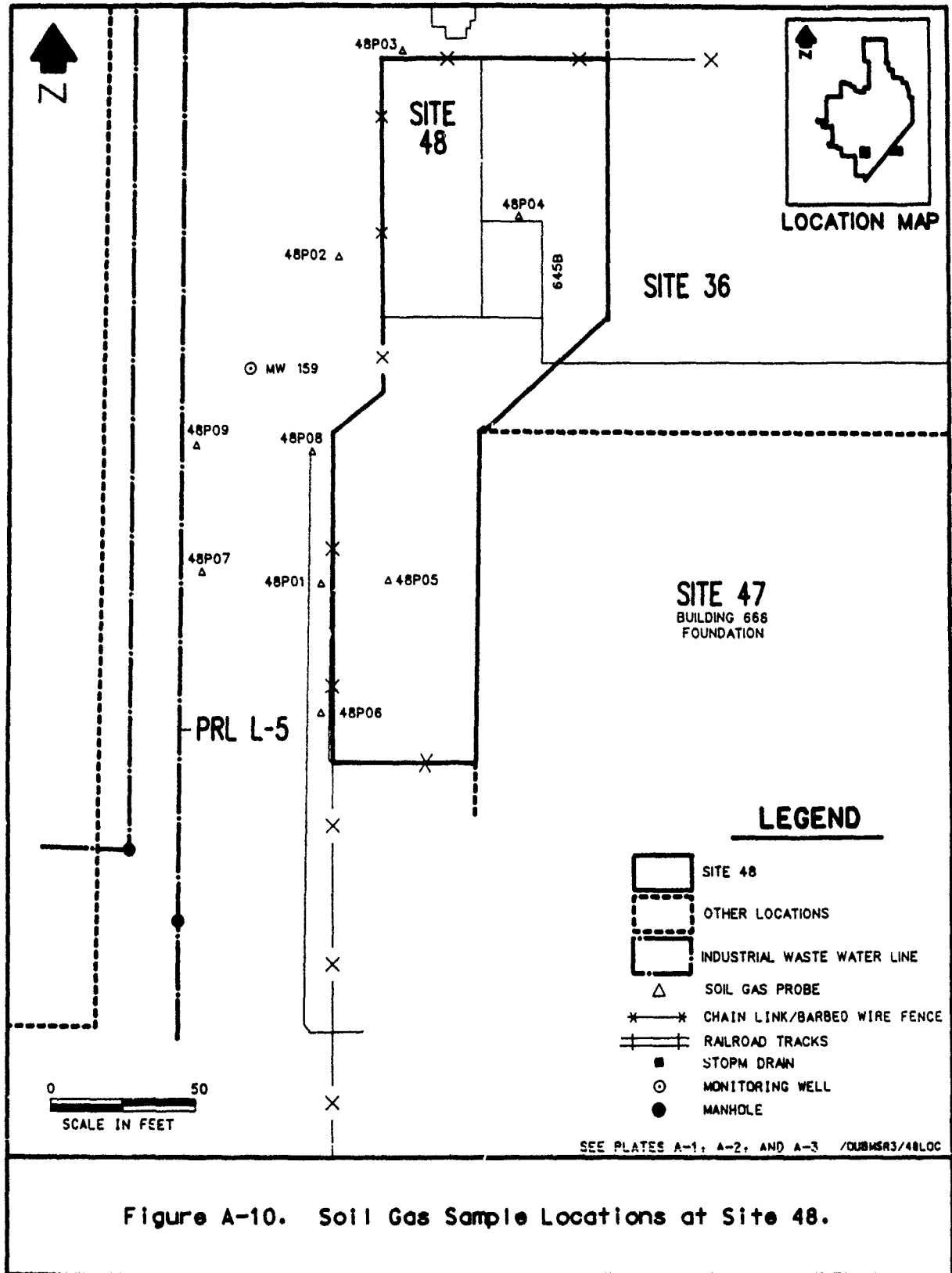


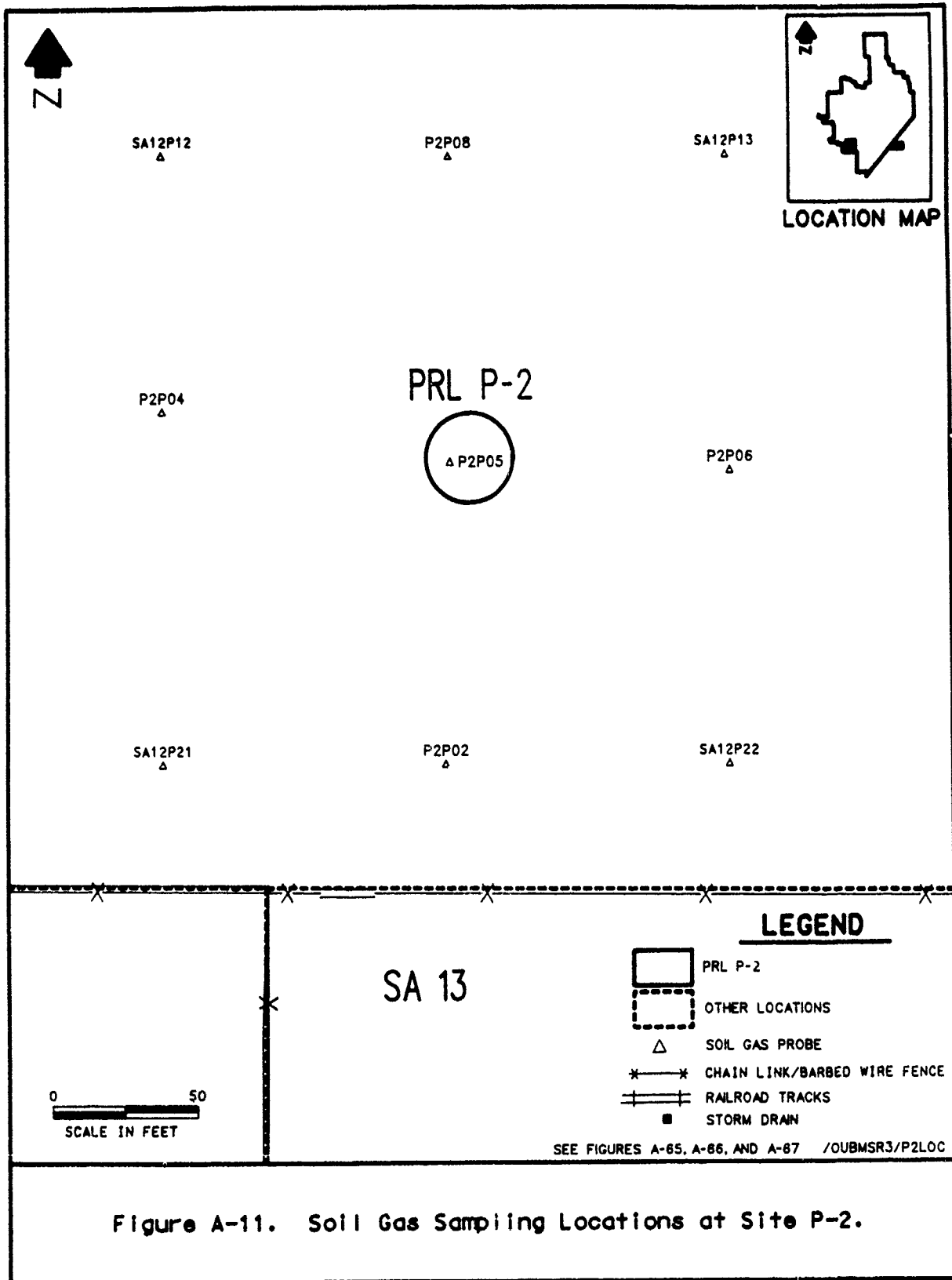












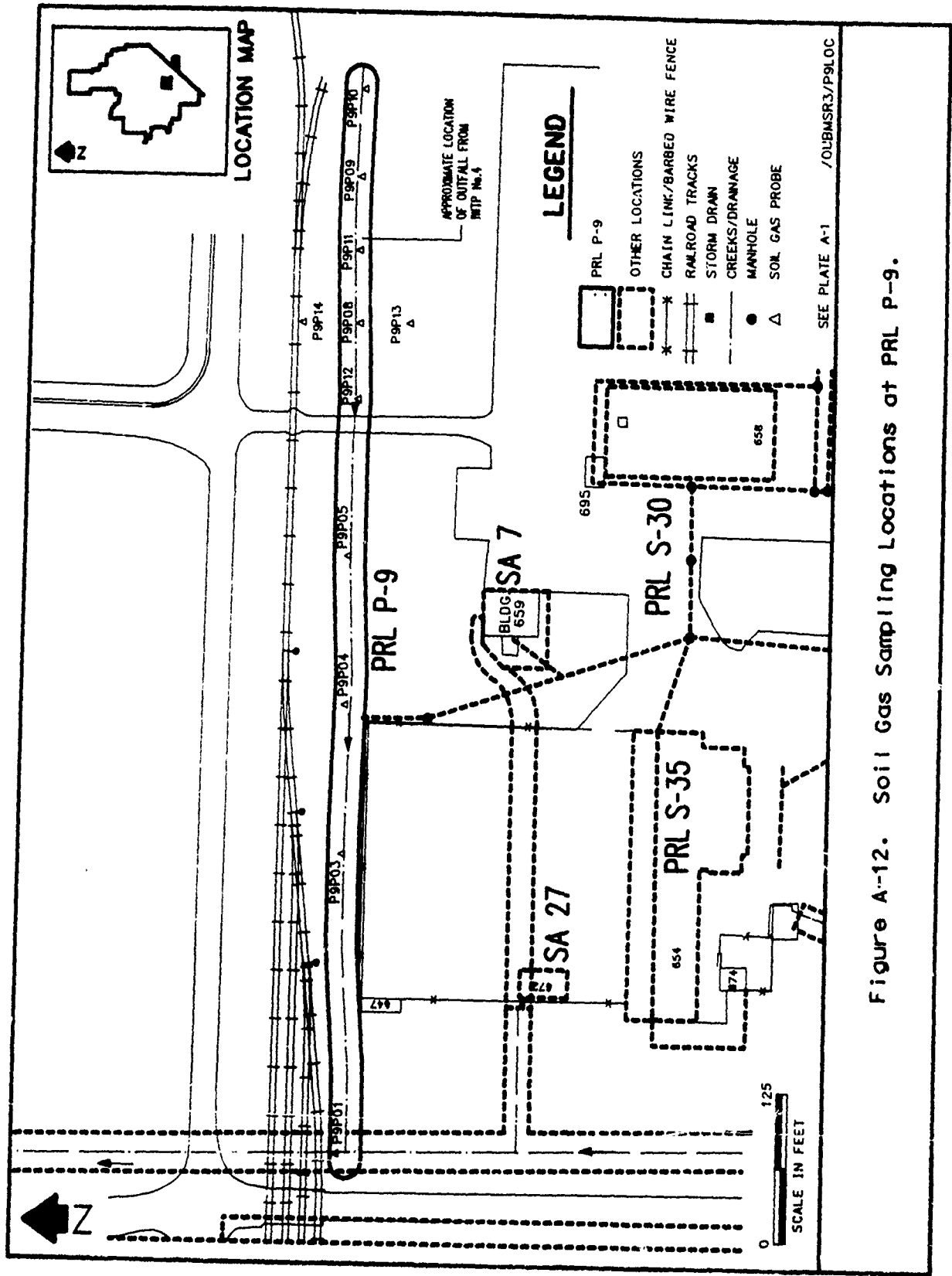
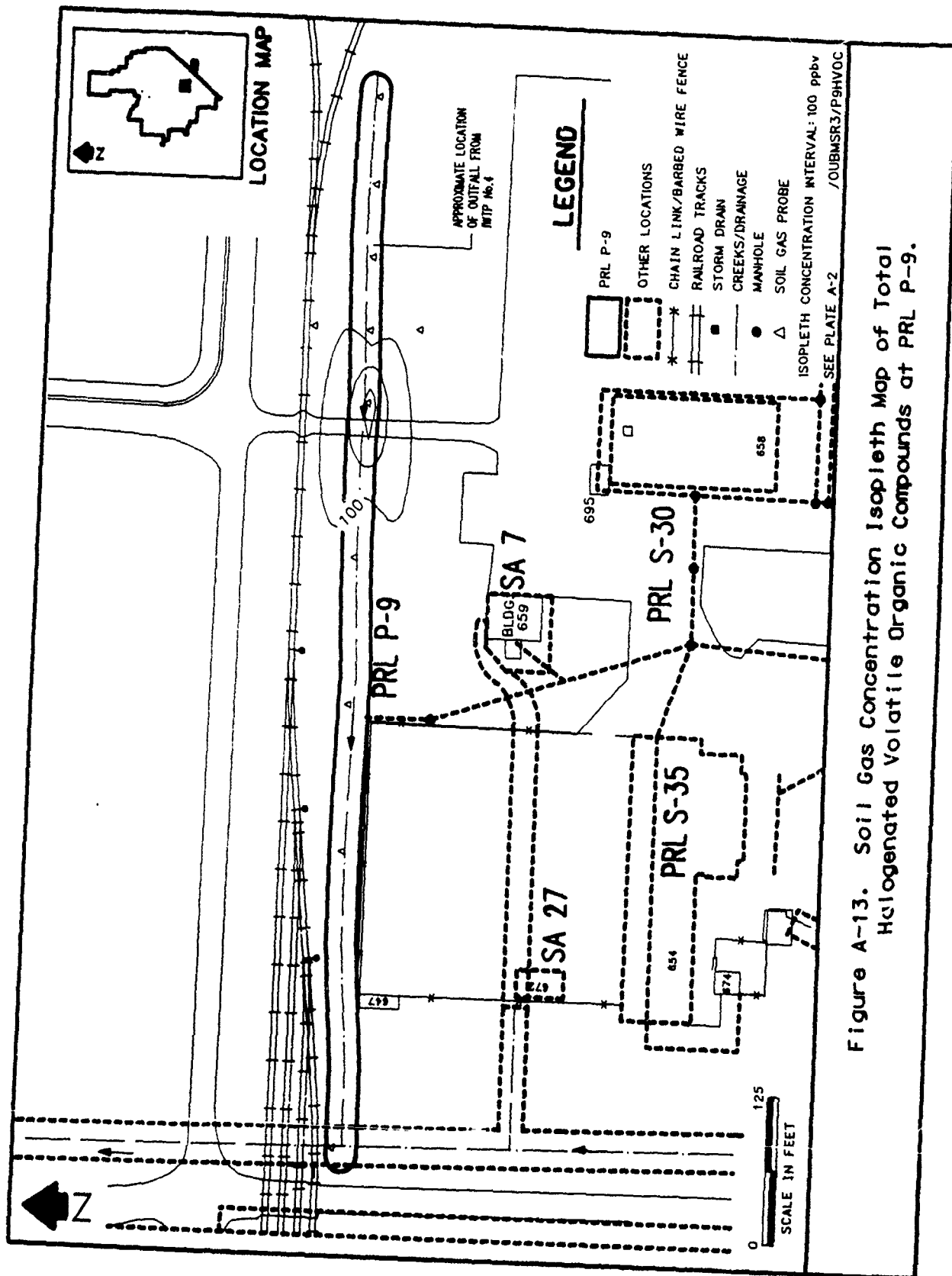


Figure A-12. Soil Gas Sampling Locations at PRL P-9.



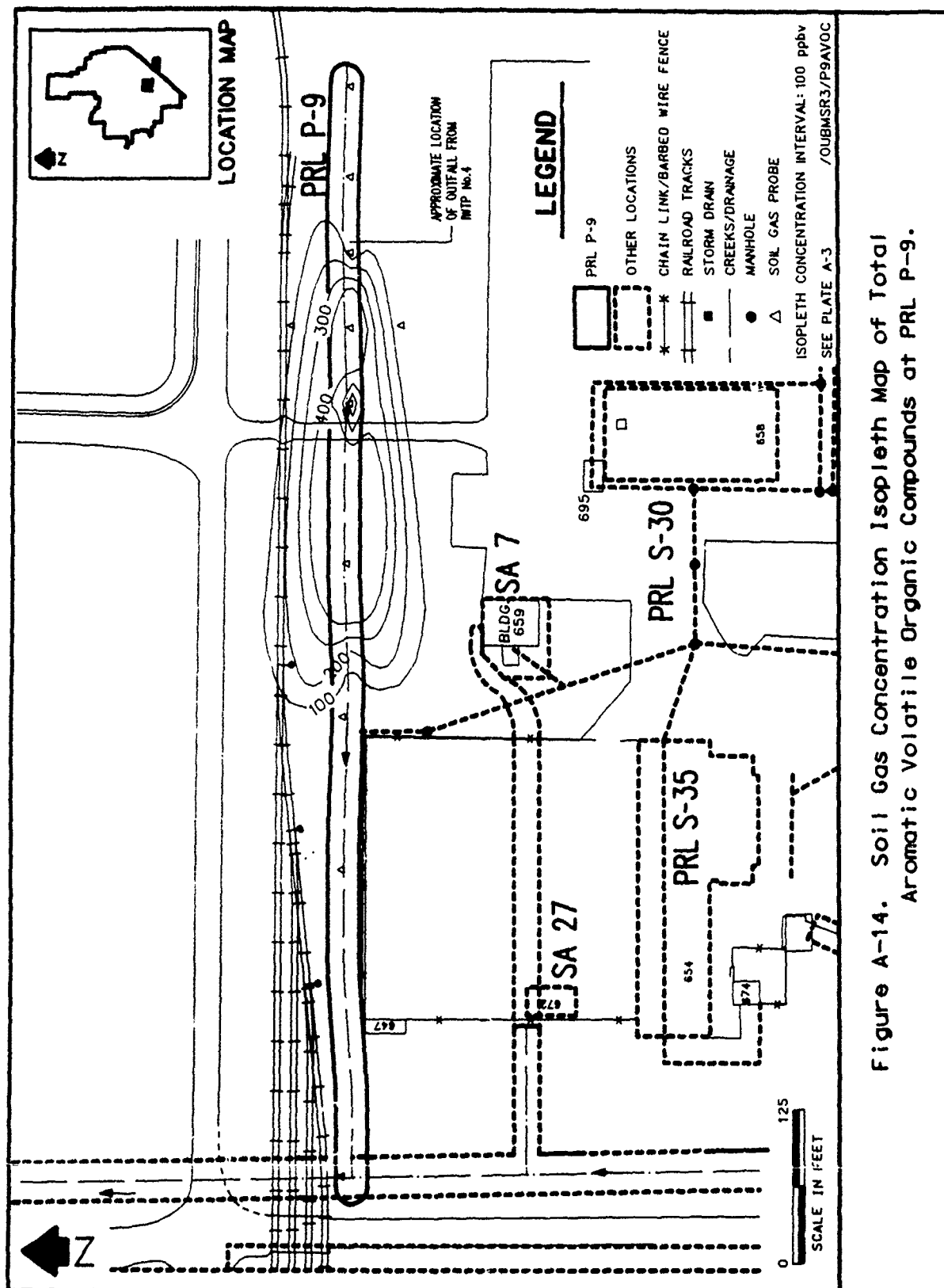


Figure A-14. Soil Gas Concentration Isopleth Map of Total Aromatic Volatile Organic Compounds at PRL P-9.

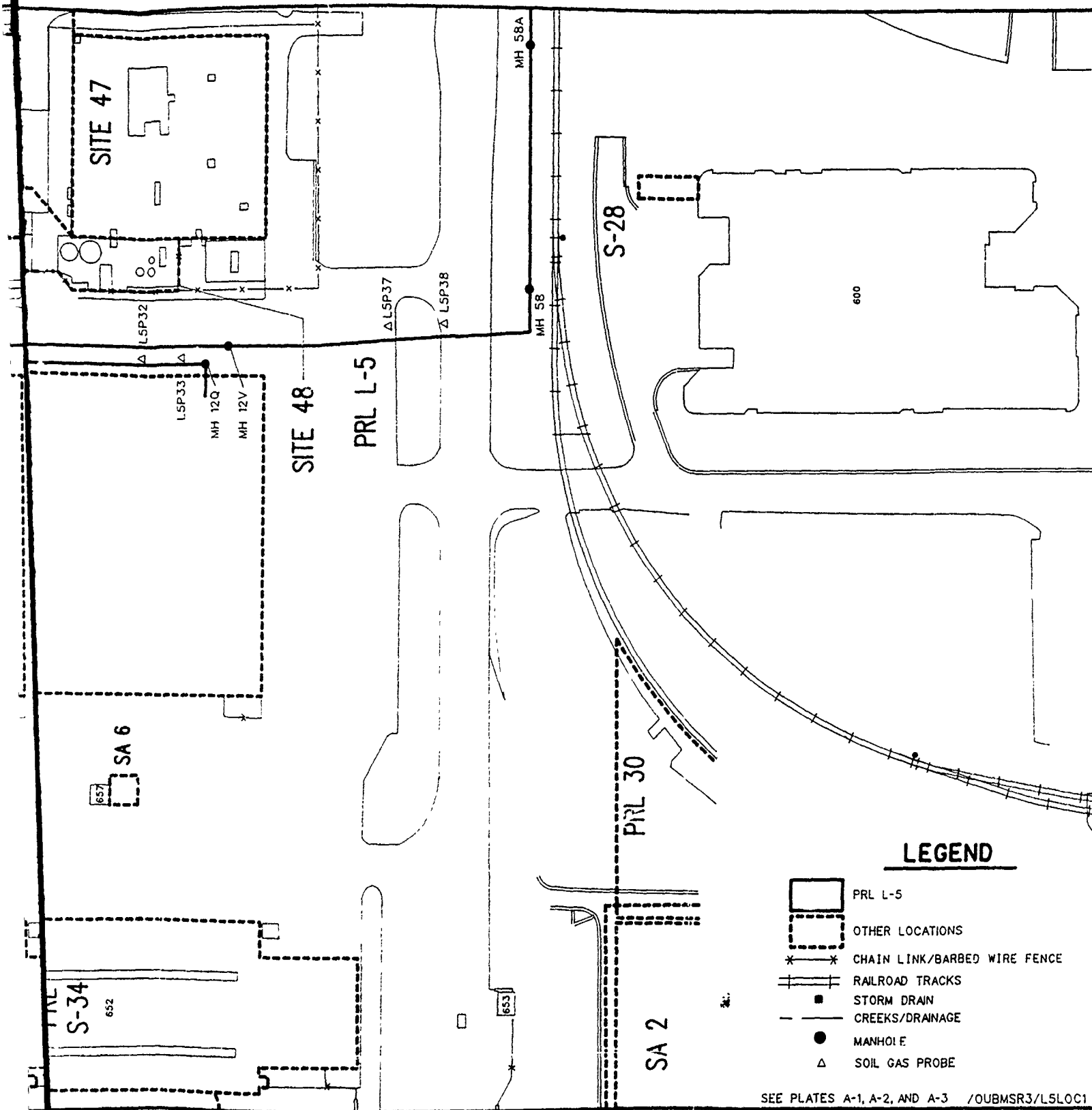
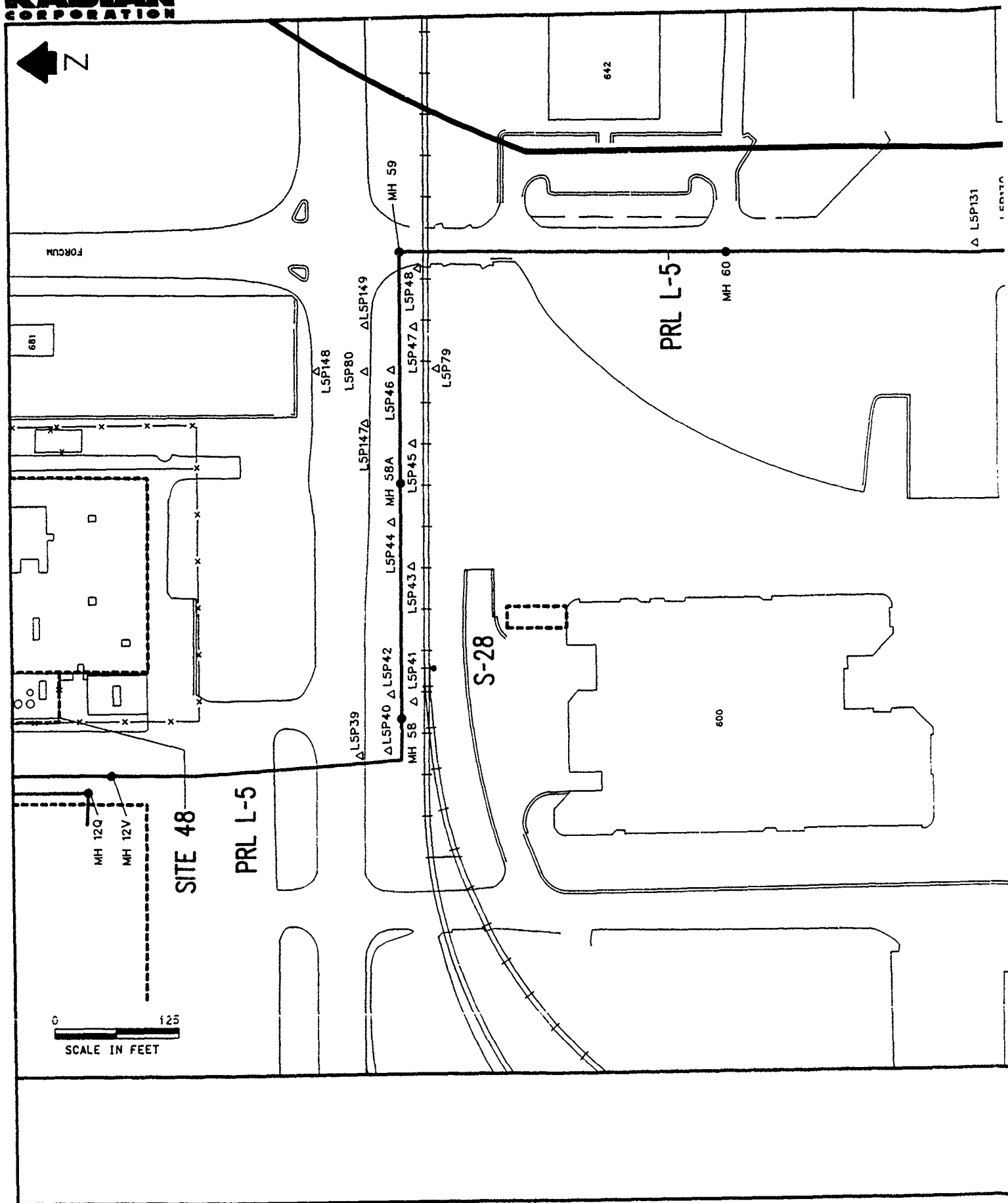


Figure A-15. Soil Gas Sampling Locations at PRL L-5 (North).



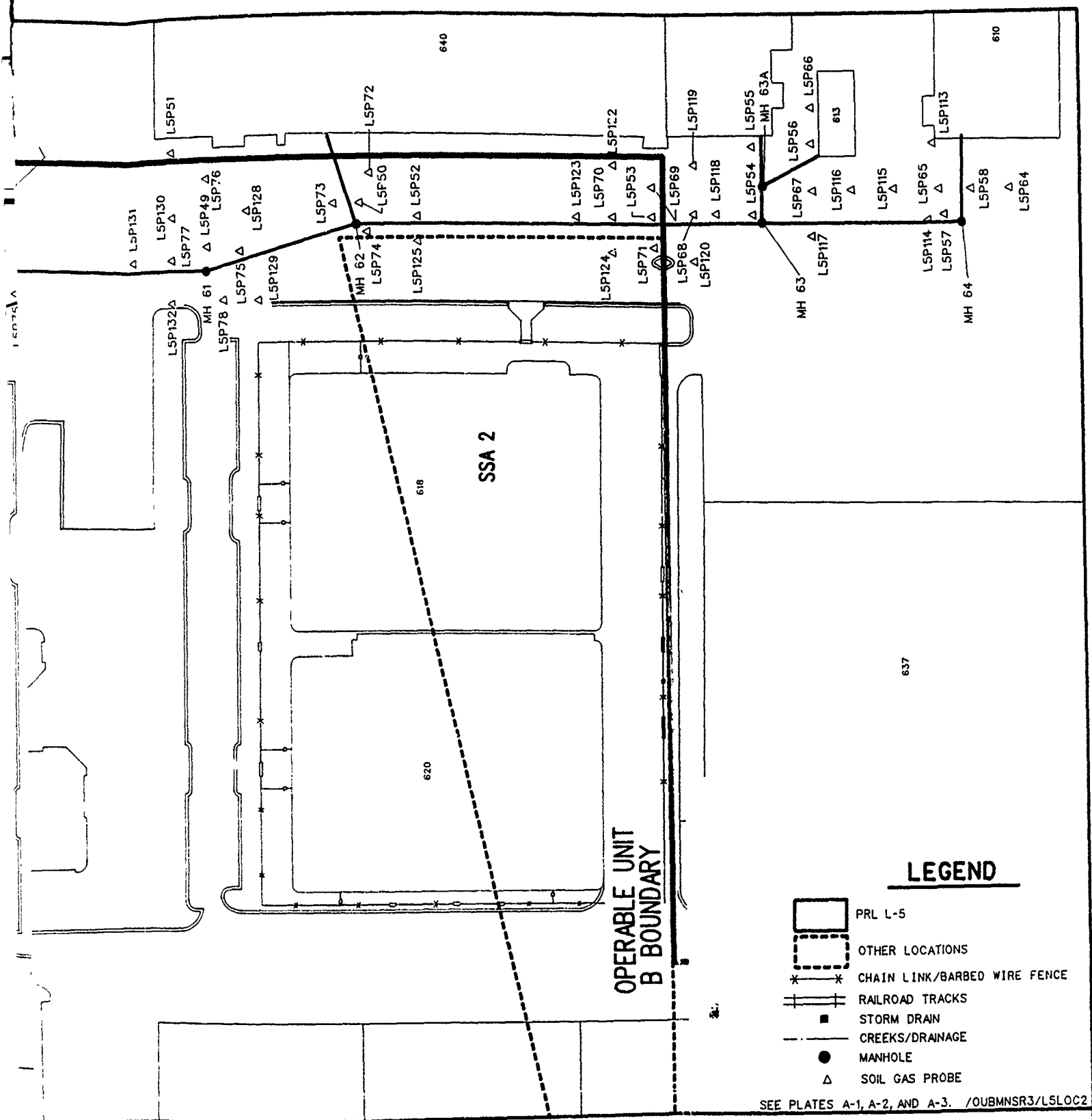


Figure A-16. Soil Gas Sampling Locations at PRL L-5 (South).



OU A

642

FORCUM

681

SITE 47

S-28

600

SITE 48

PRL L-5

PRL S-29

0 125
SCALE IN FEET

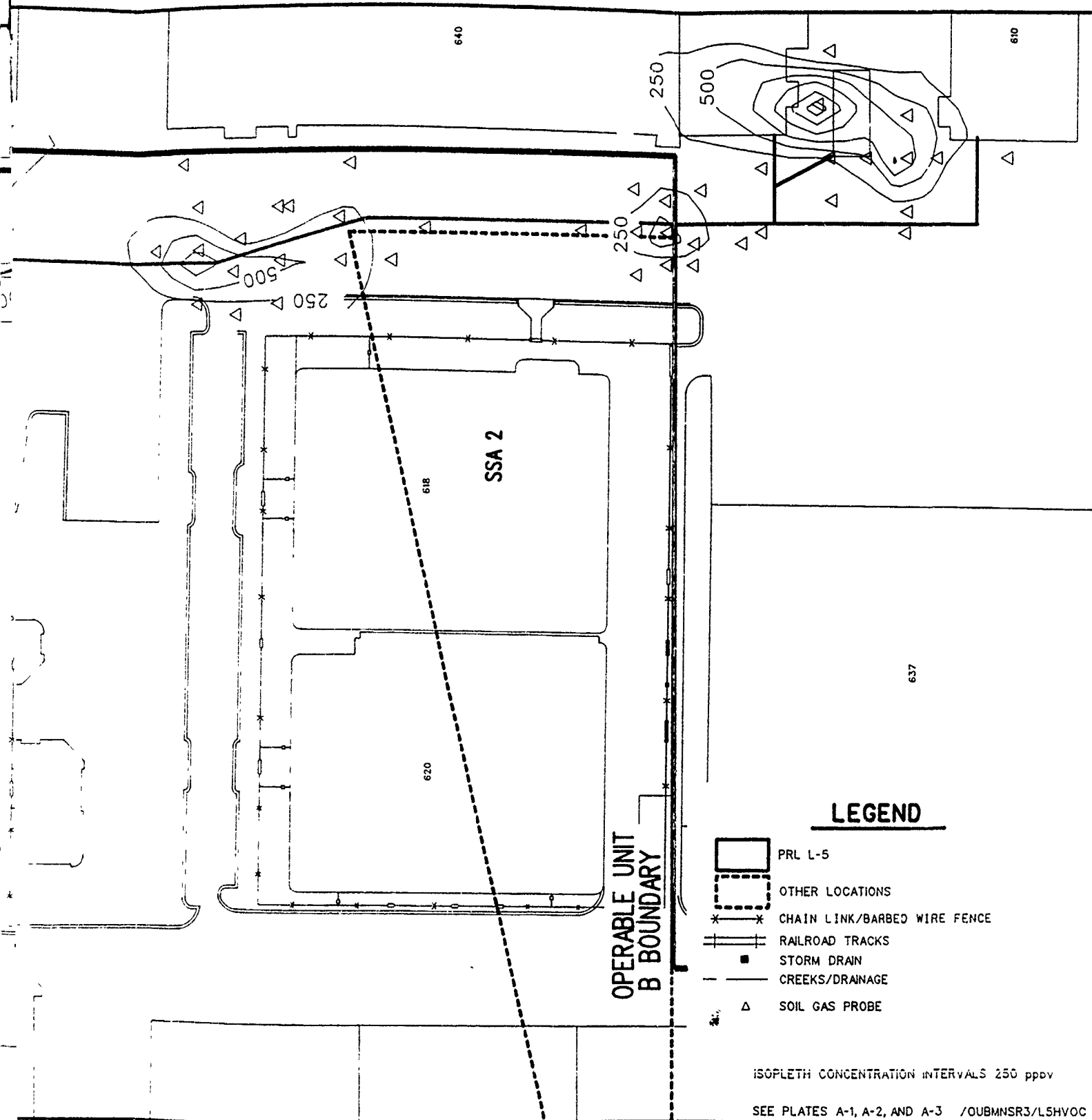
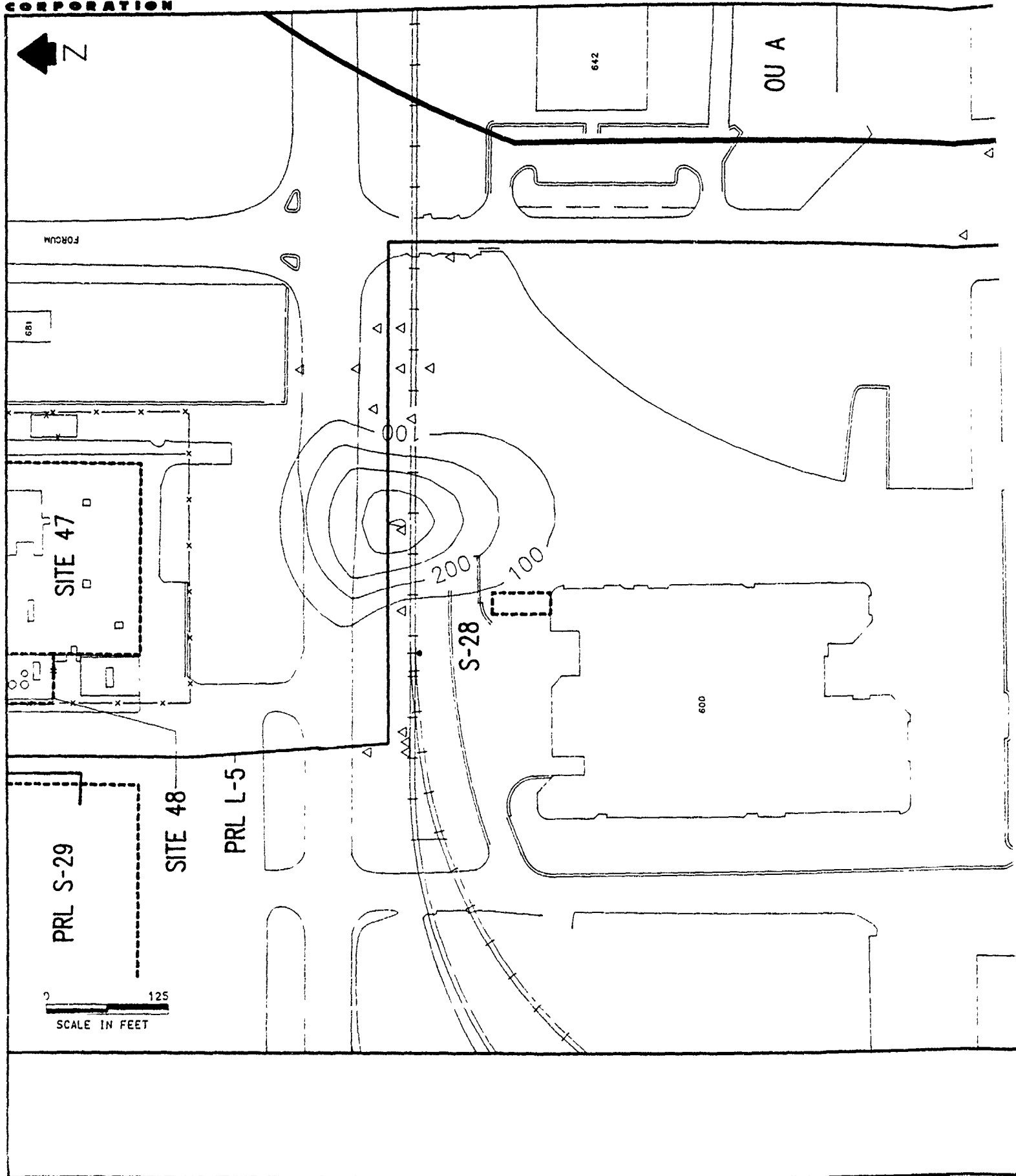


Figure A-17. Soil Gas Concentration Isopleth Map of Total Halogenated Volatile Organic Compounds at PRL L-5 (South).



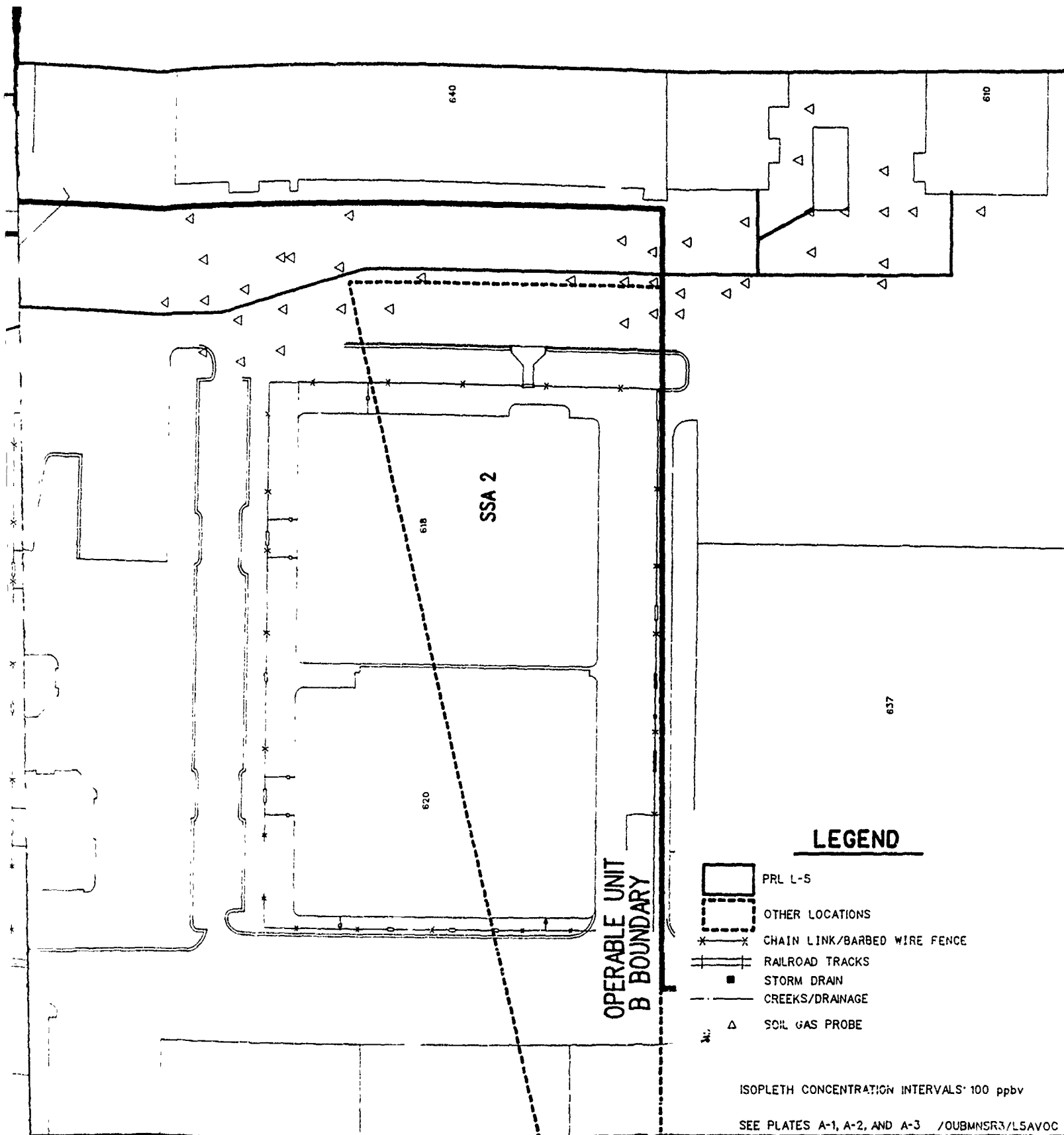
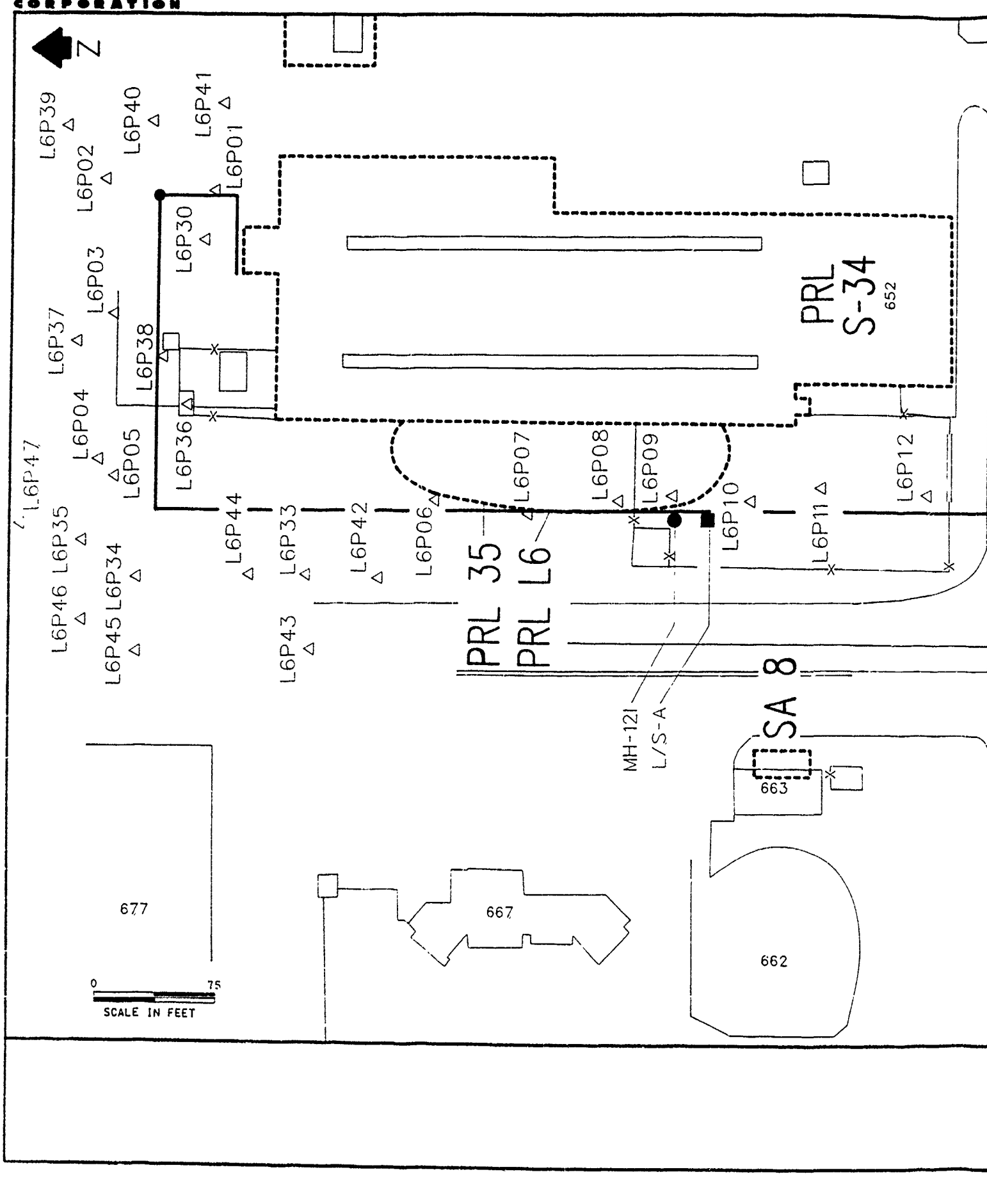
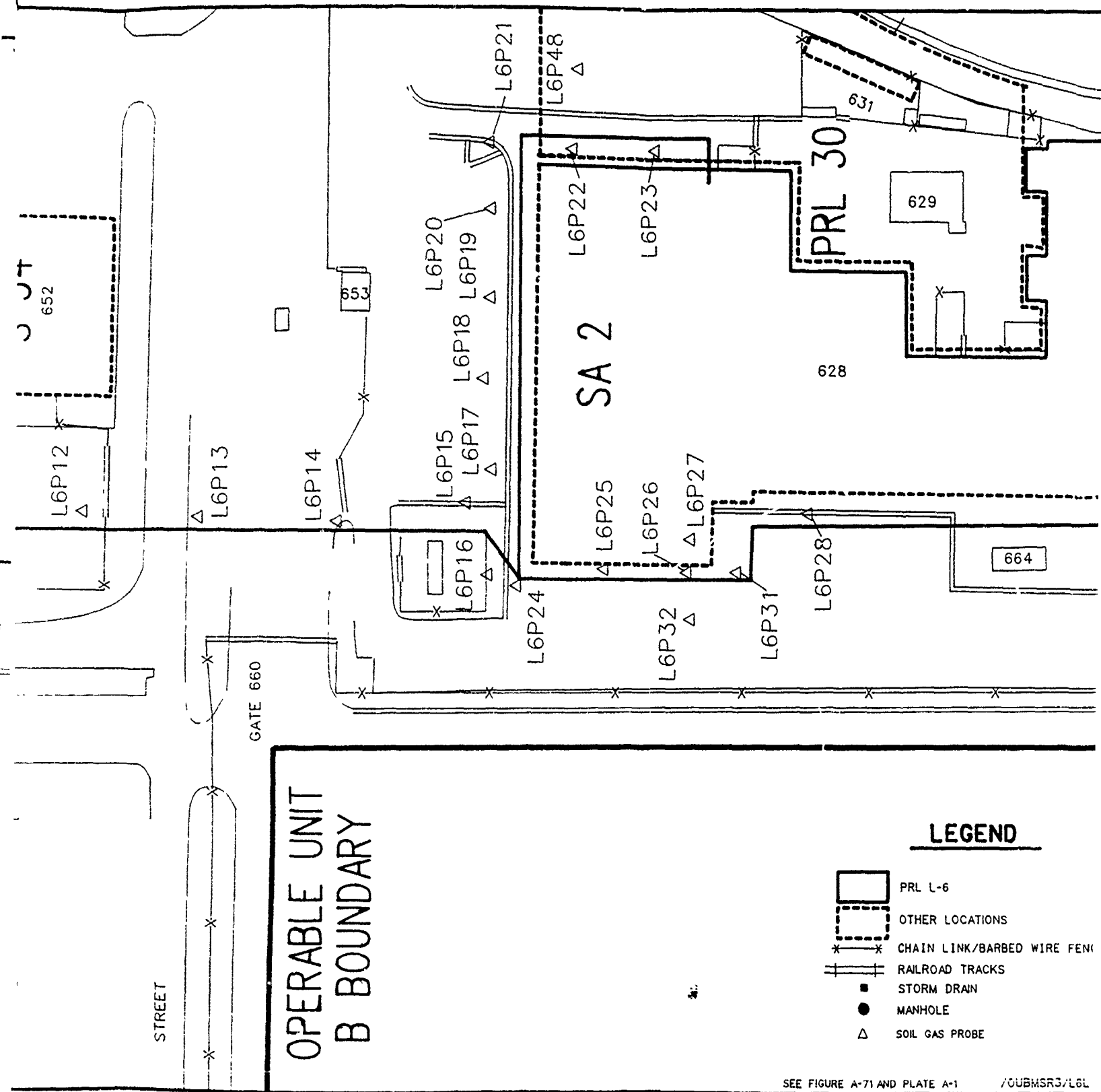


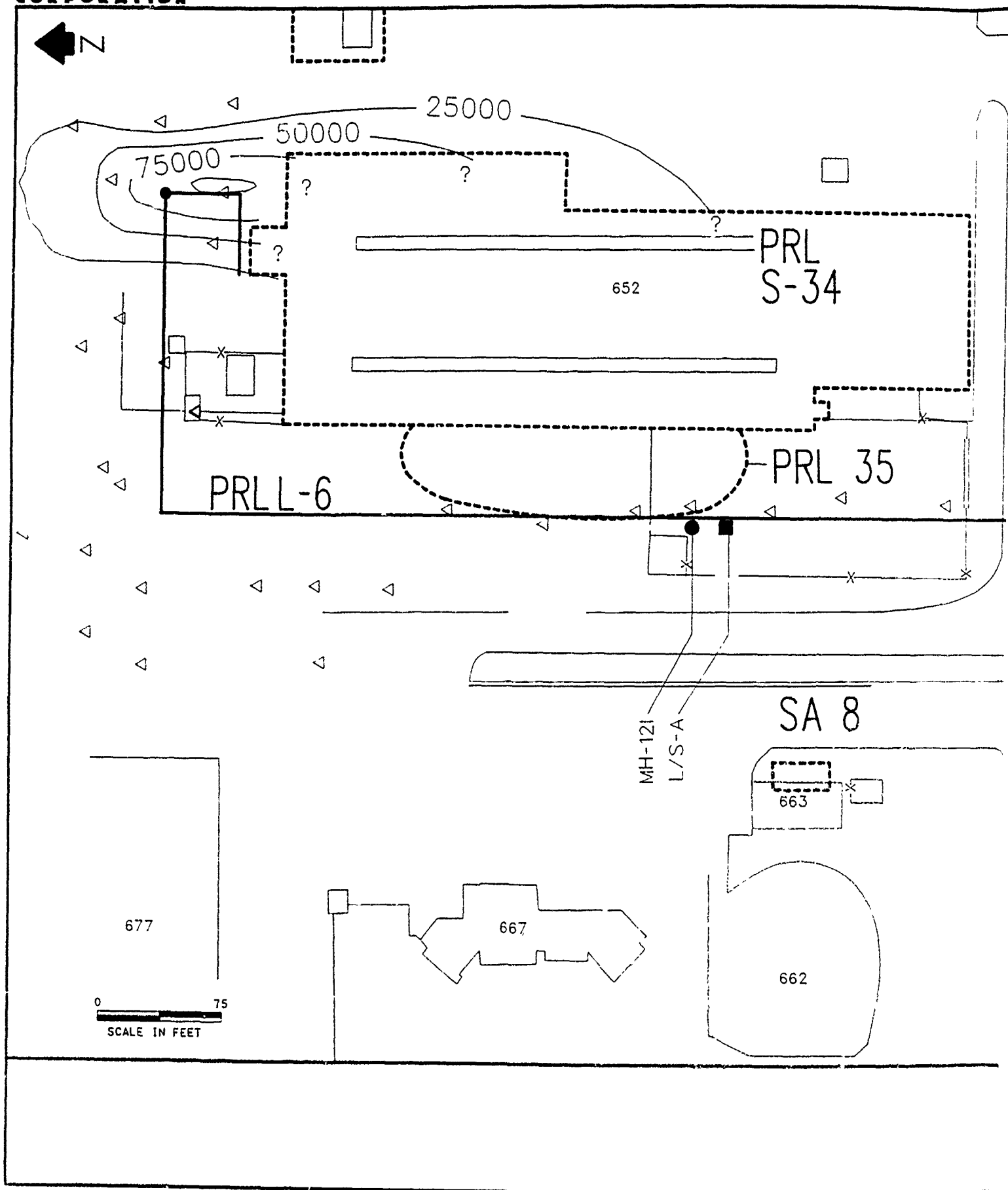
Figure A-18. Soil Gas Concentration Isopleth Map of Total Aromatic Volatile Organic Compounds at PRL L-5 (South).





SEE FIGURE A-71 AND PLATE A-1 /00BMSR3/L6L

Figure A-19. Soil Gas Sampling Locations at PRL L-6



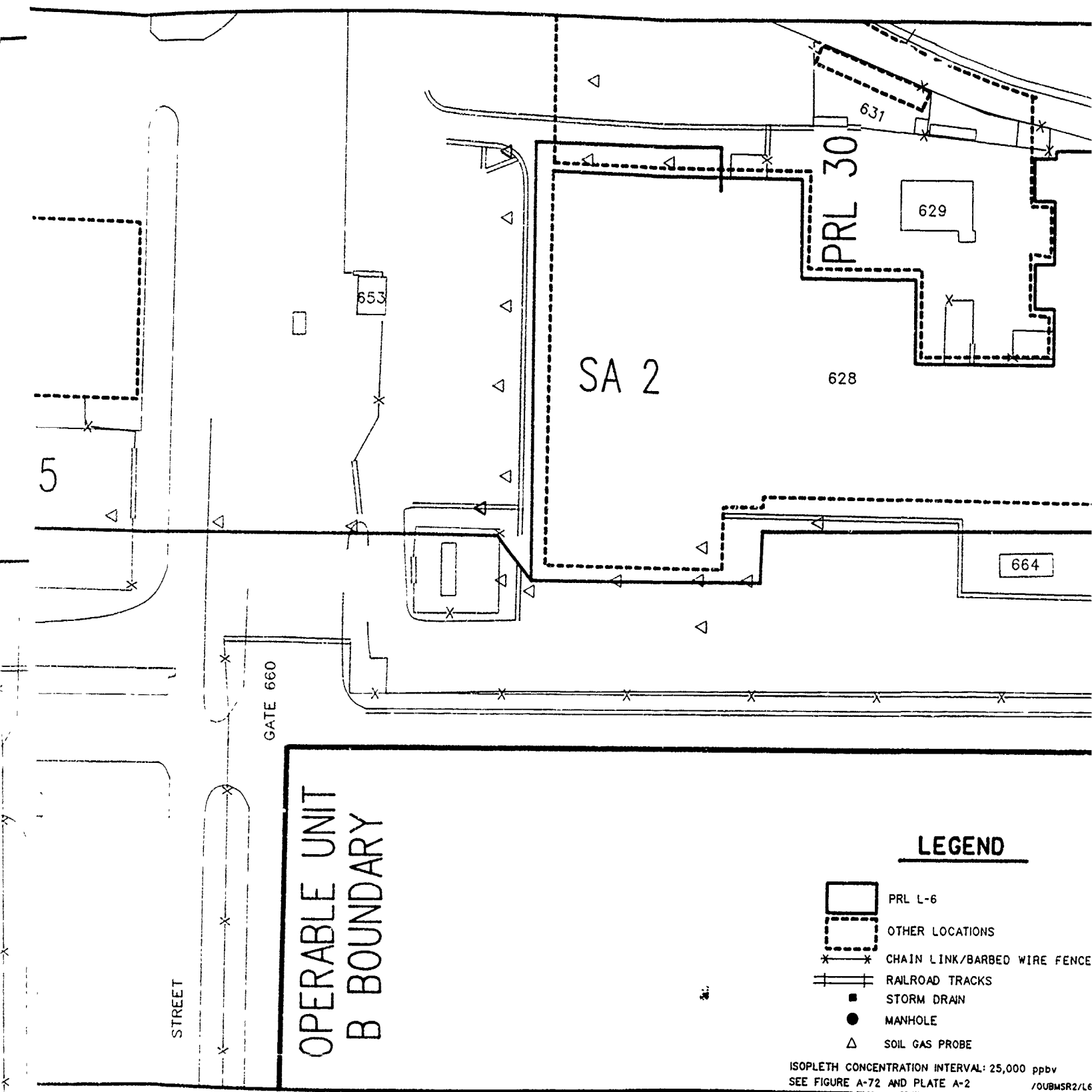
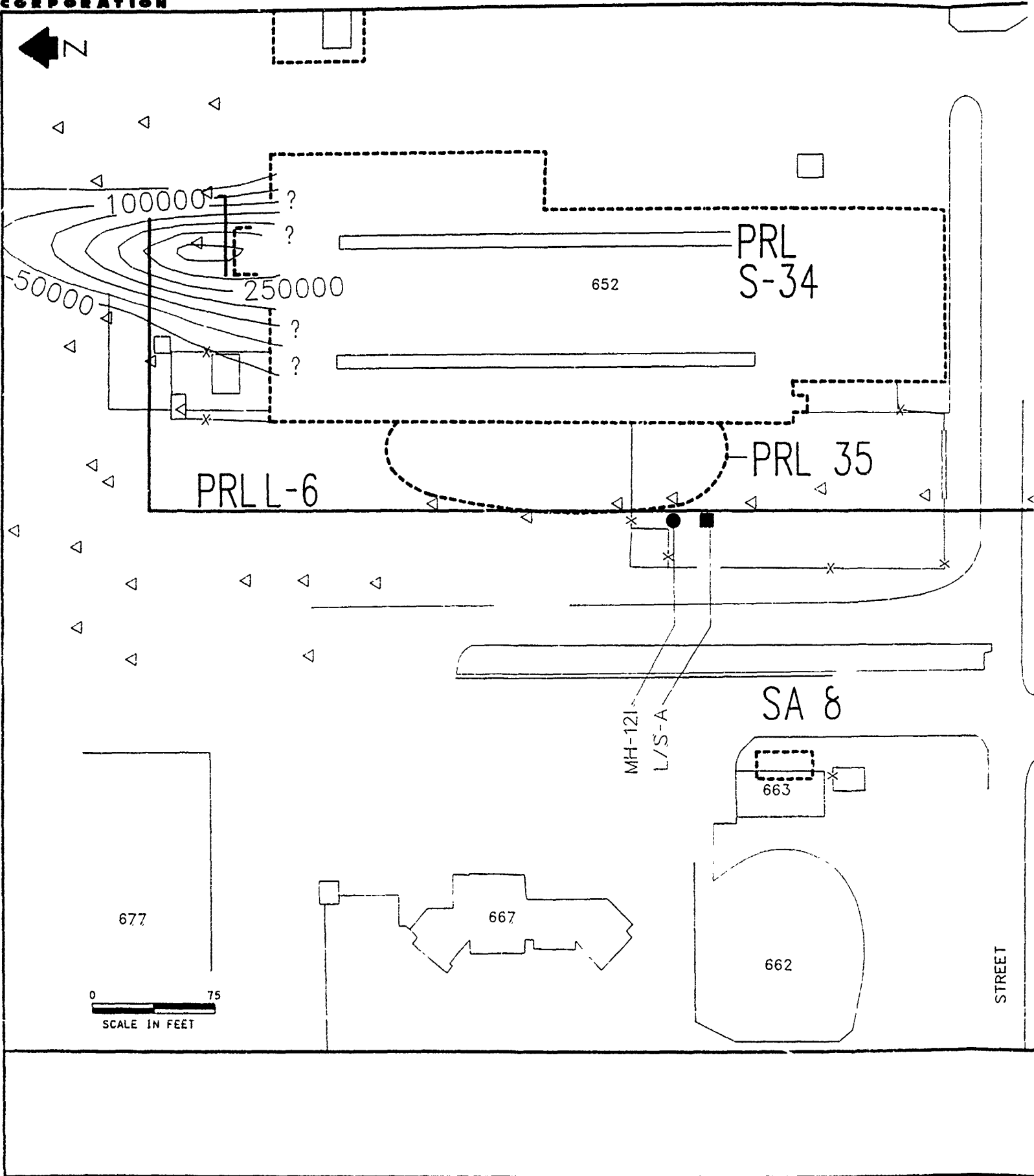


Figure A-20. Soil Gas Concentration Isopleth Map of Total Halogenated Volatile Organic Compounds at PRL L-6.



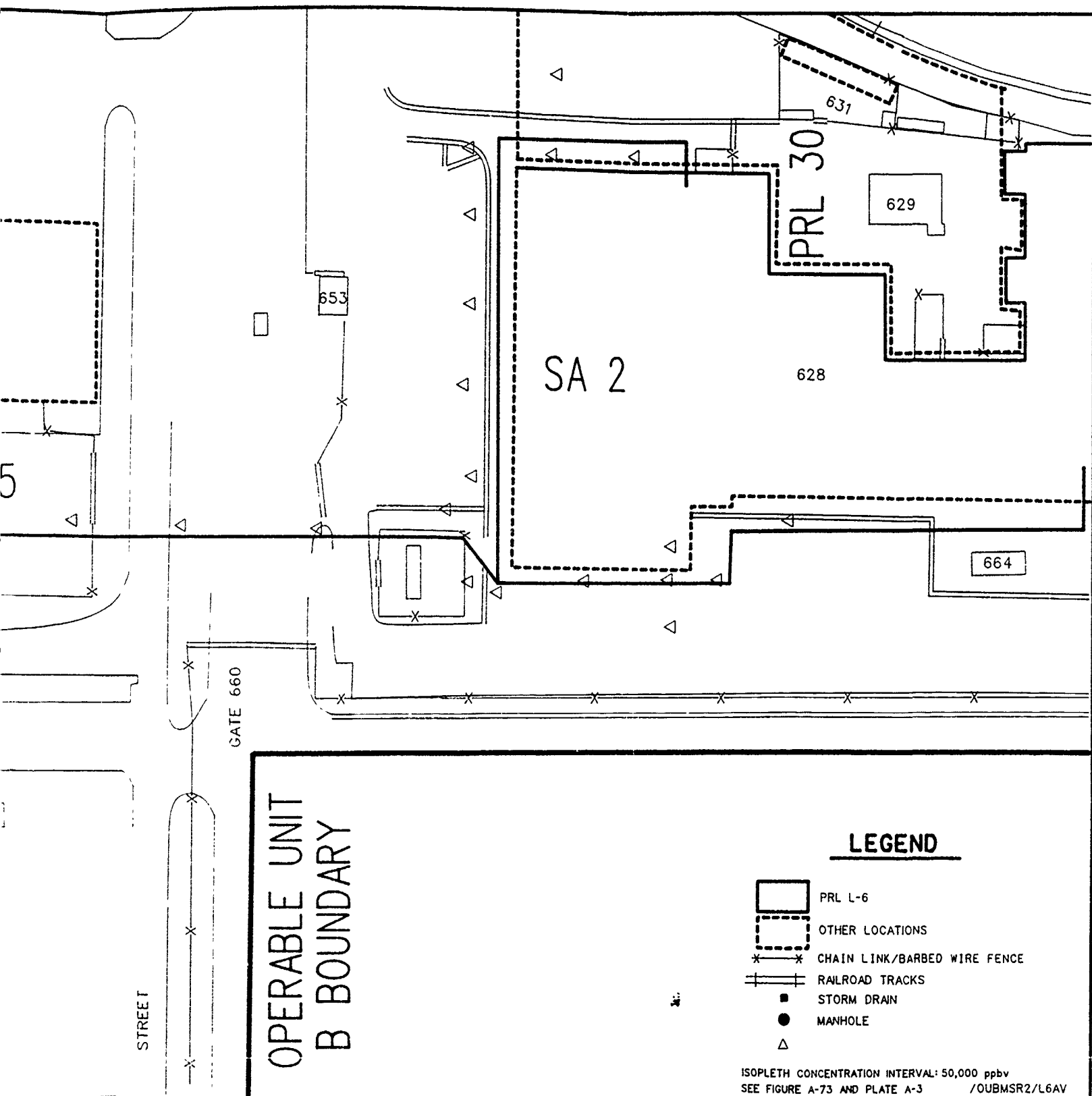
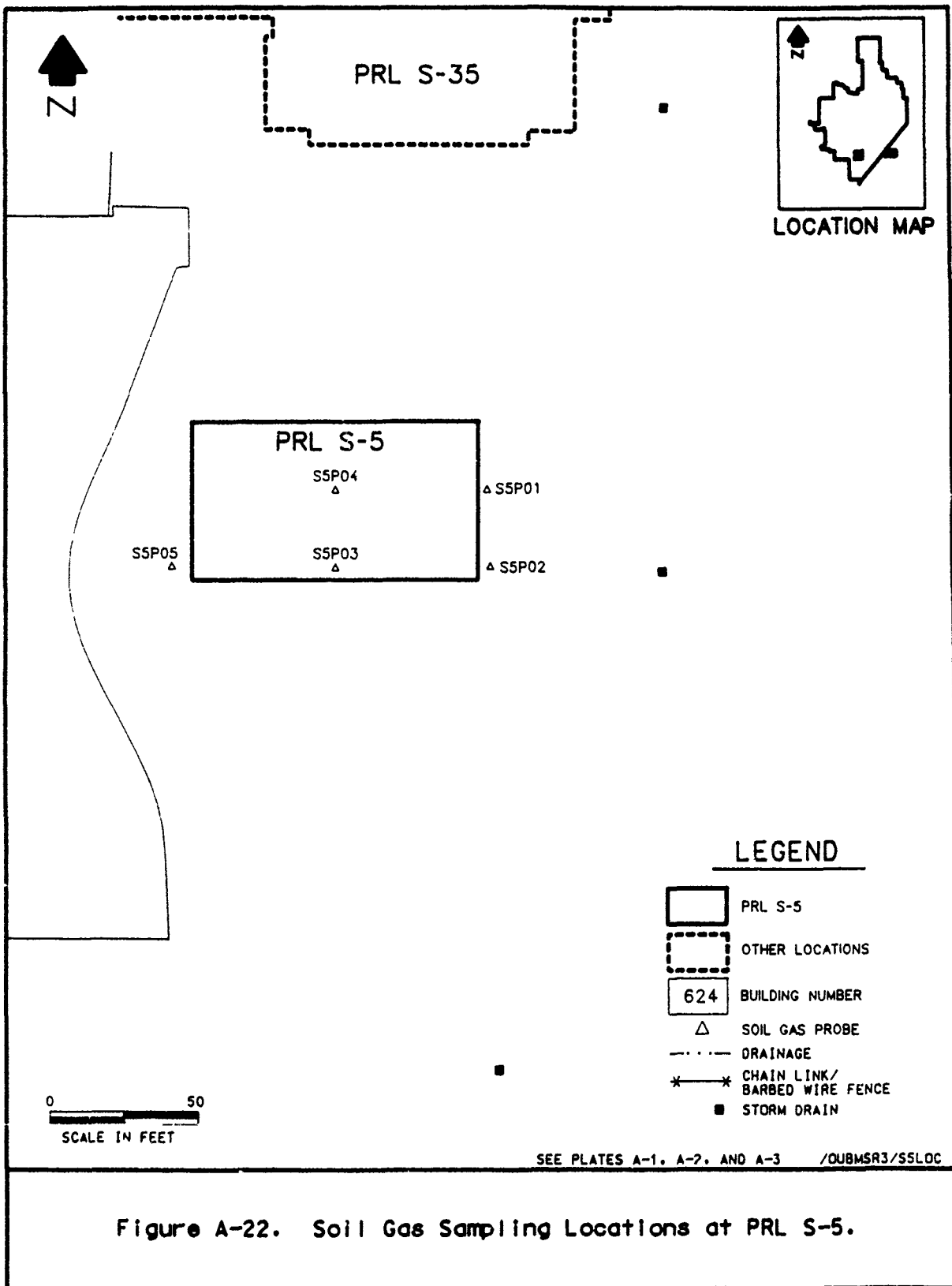


Figure A-21. Soil Gas Concentration Isopleth Map of Total Aromatic Volatile Organic Compounds at PRL L-6.



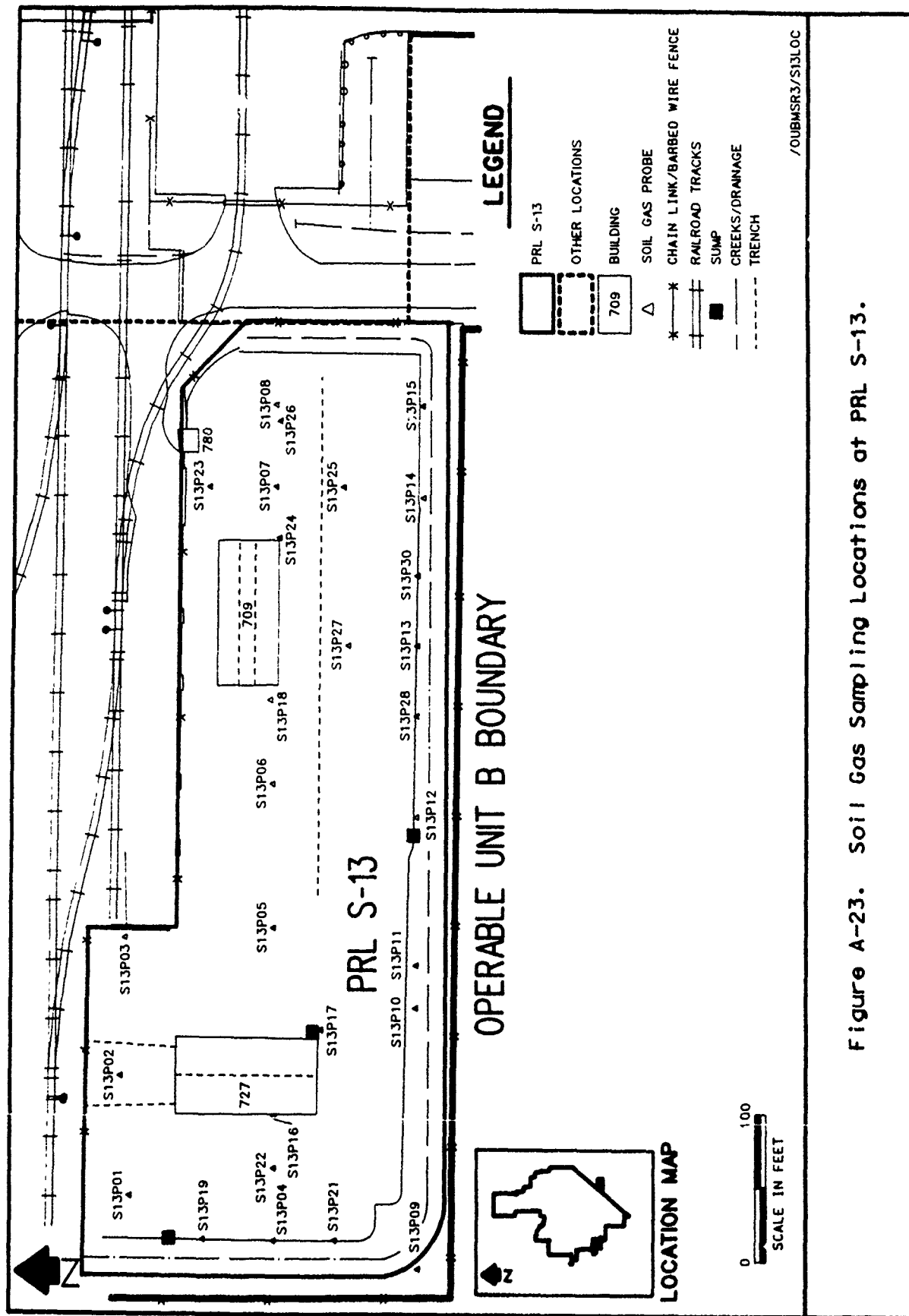


Figure A-23. Soil Gas Sampling Locations at PRL S-13.

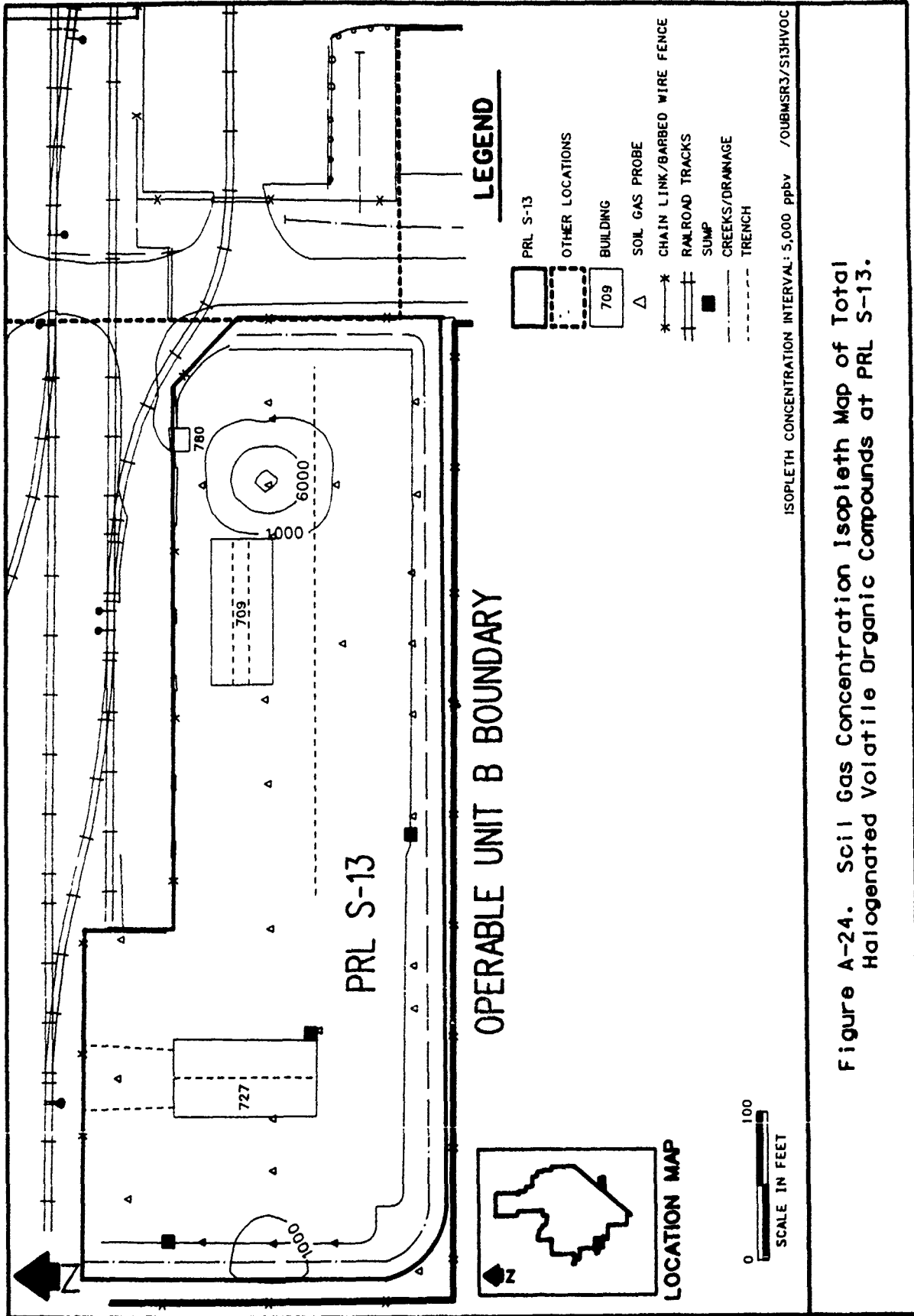
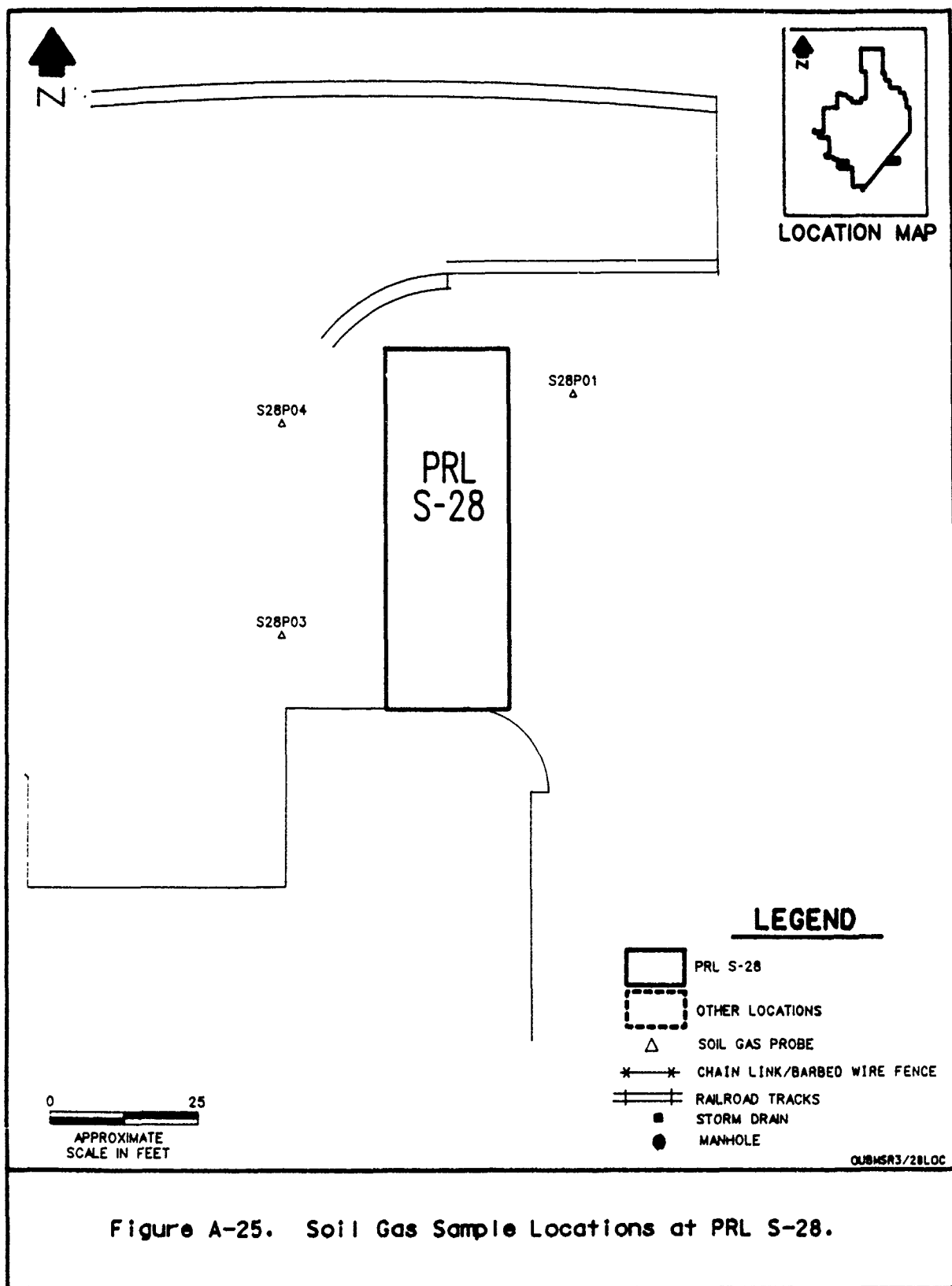
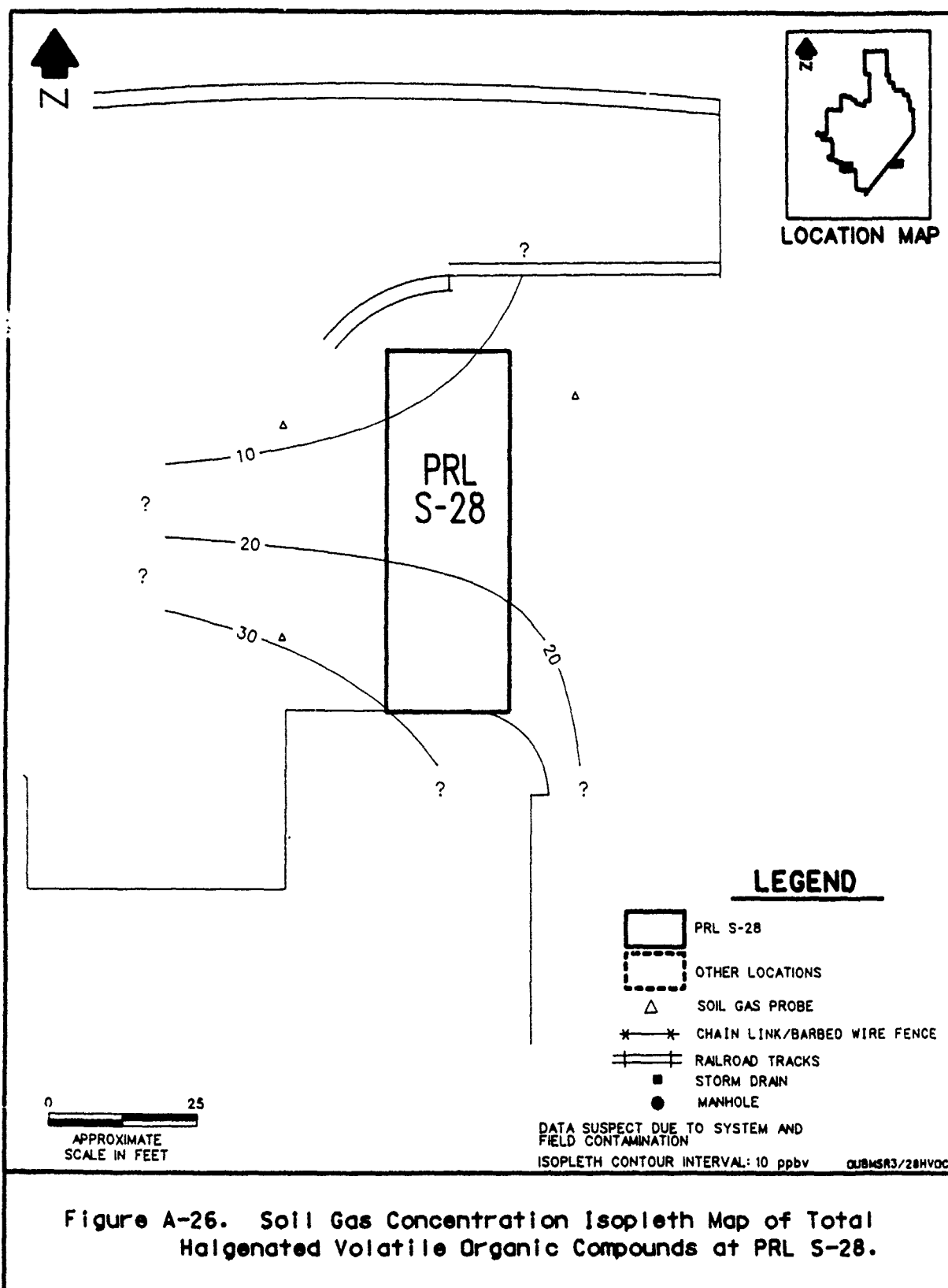
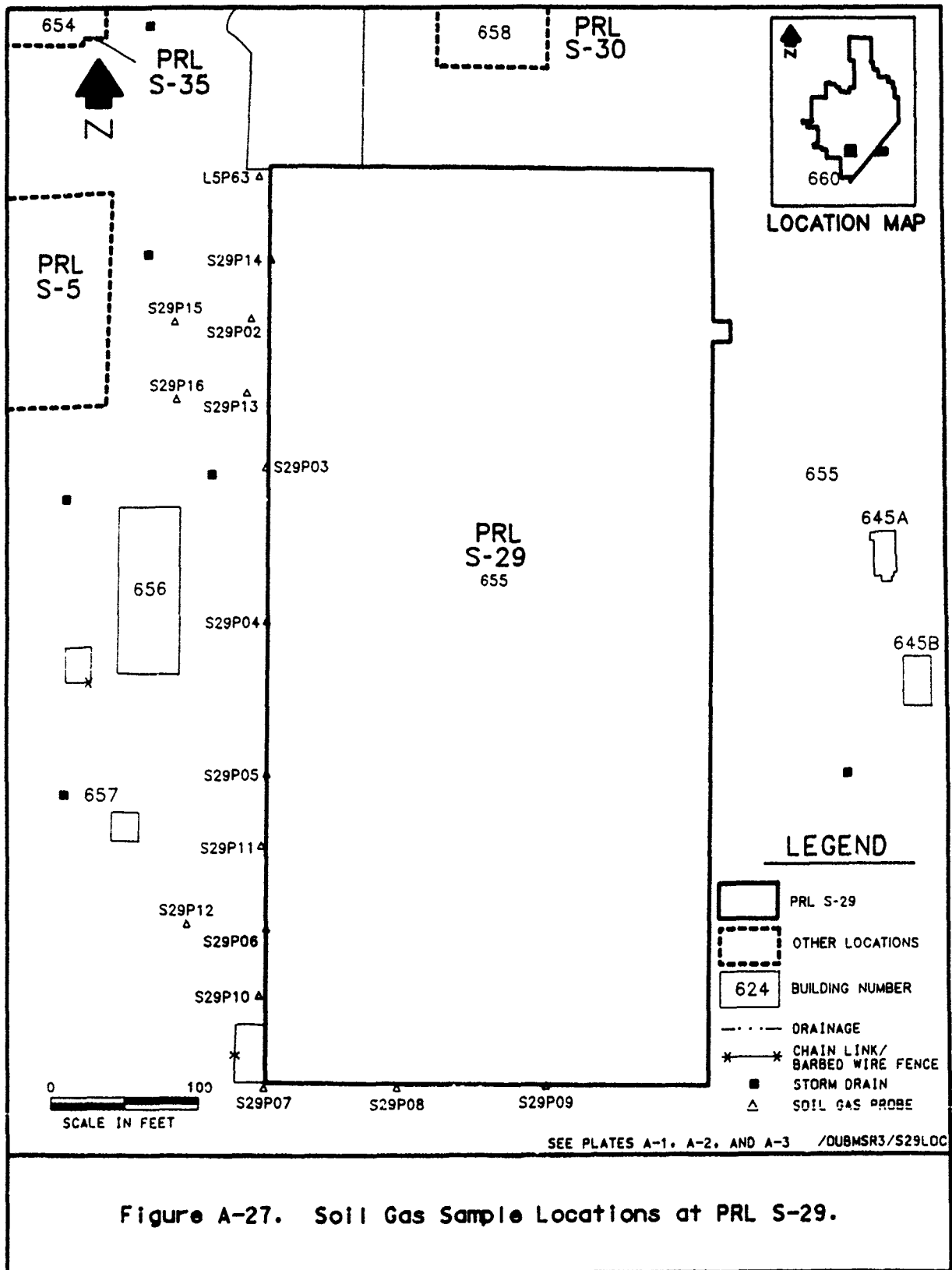


Figure A-24. Soil Gas Concentration Isopleth Map of Total Halogenated Volatile Organic Compounds at PRL S-13.







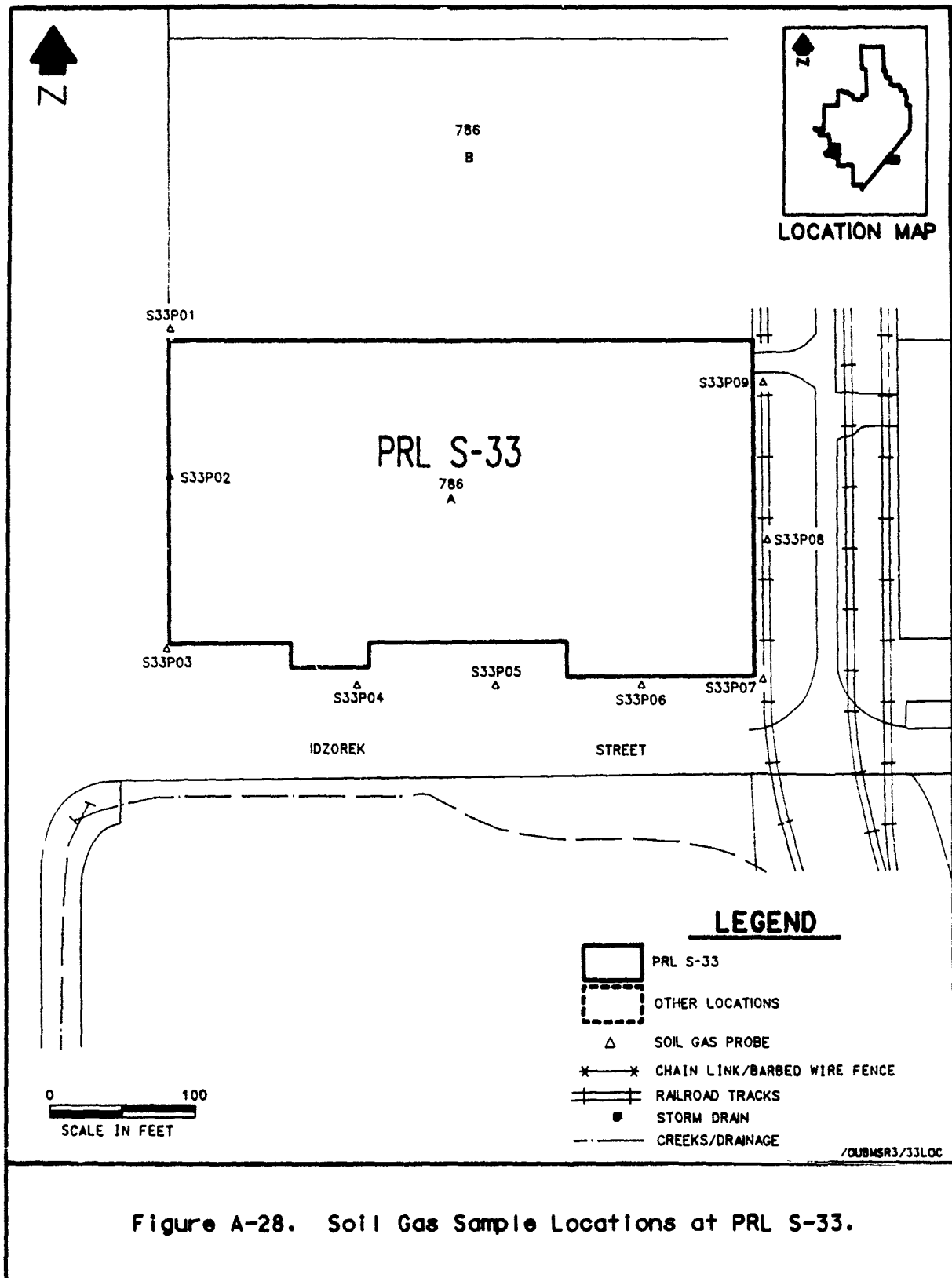
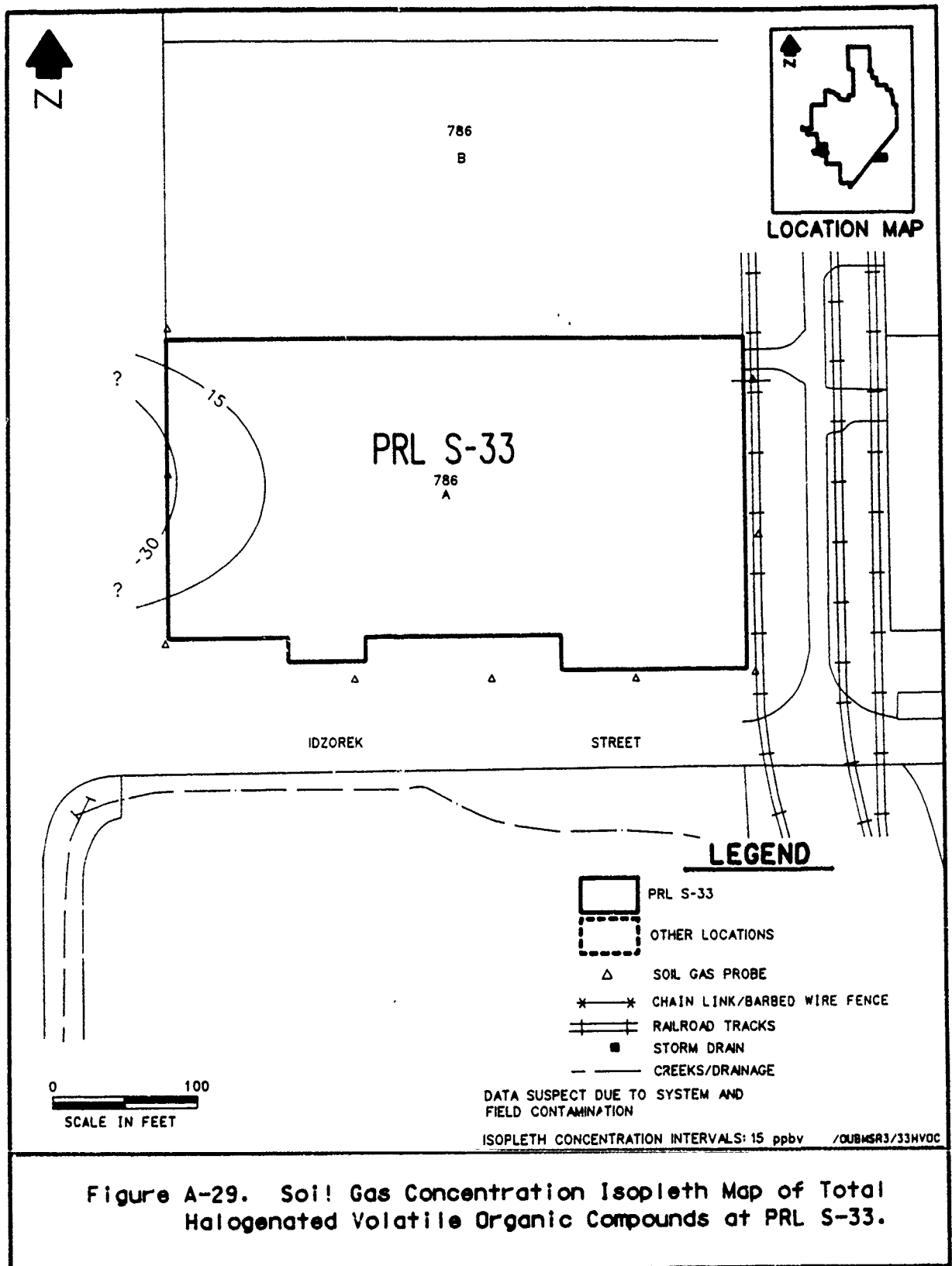
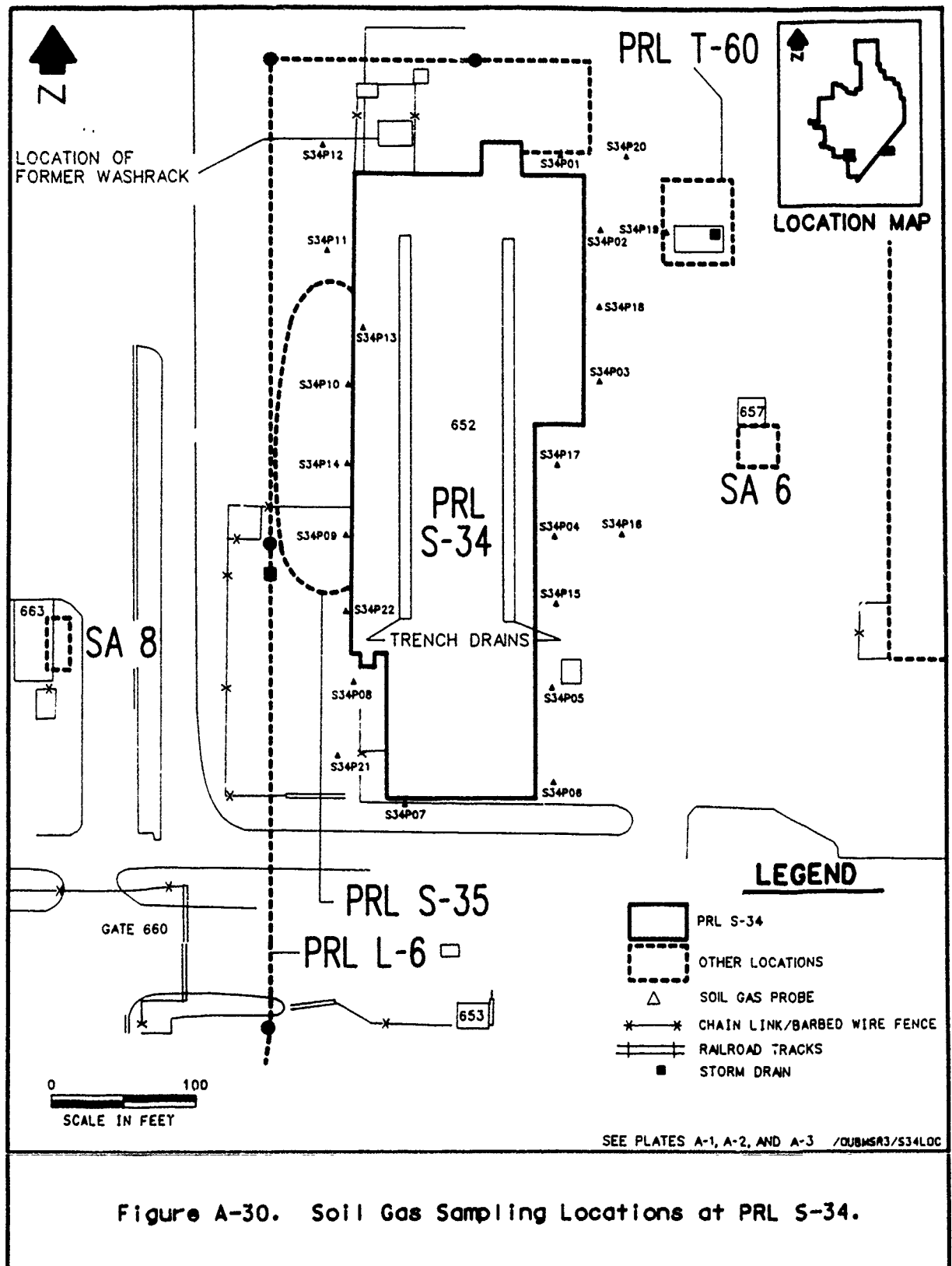
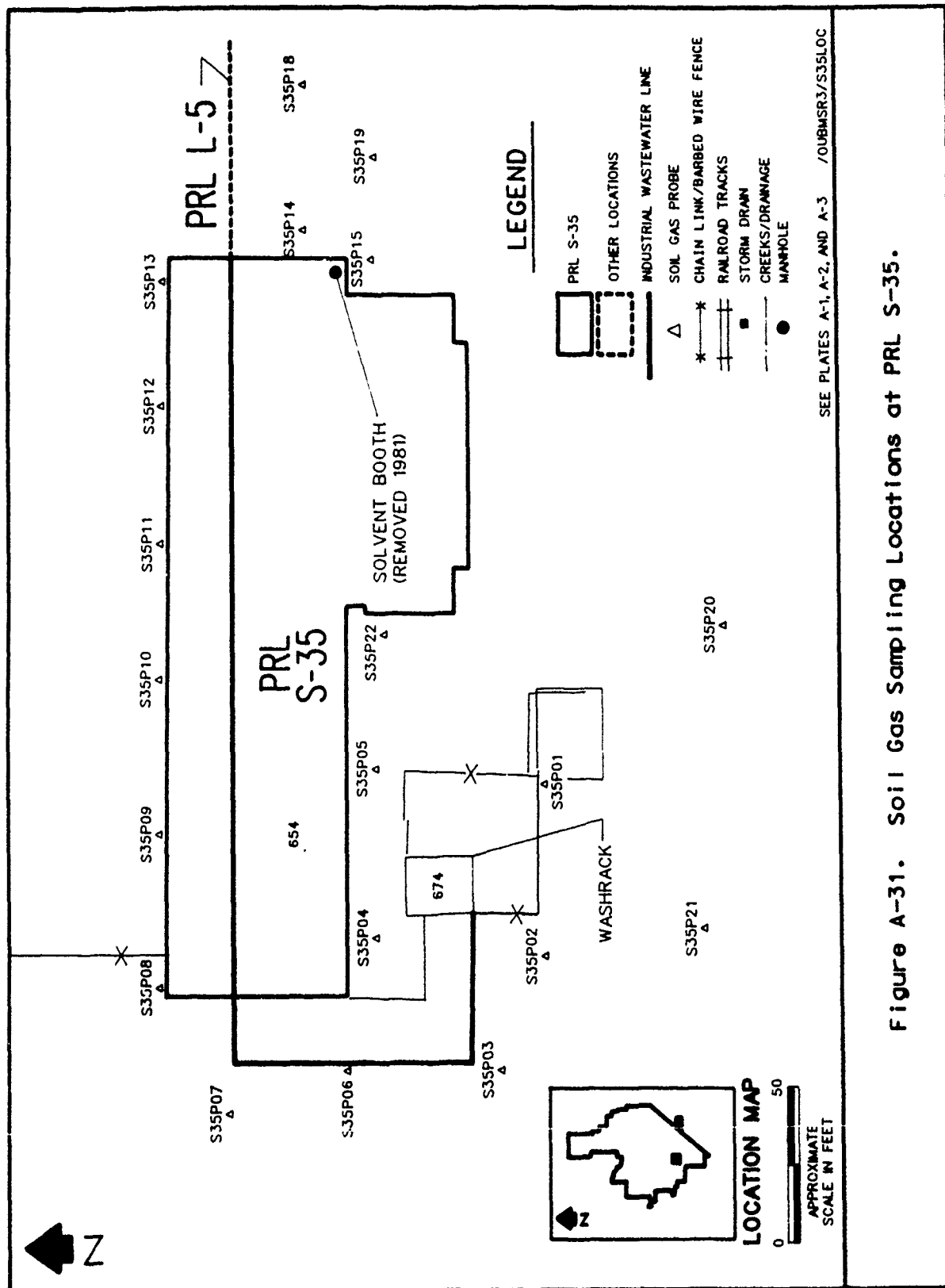
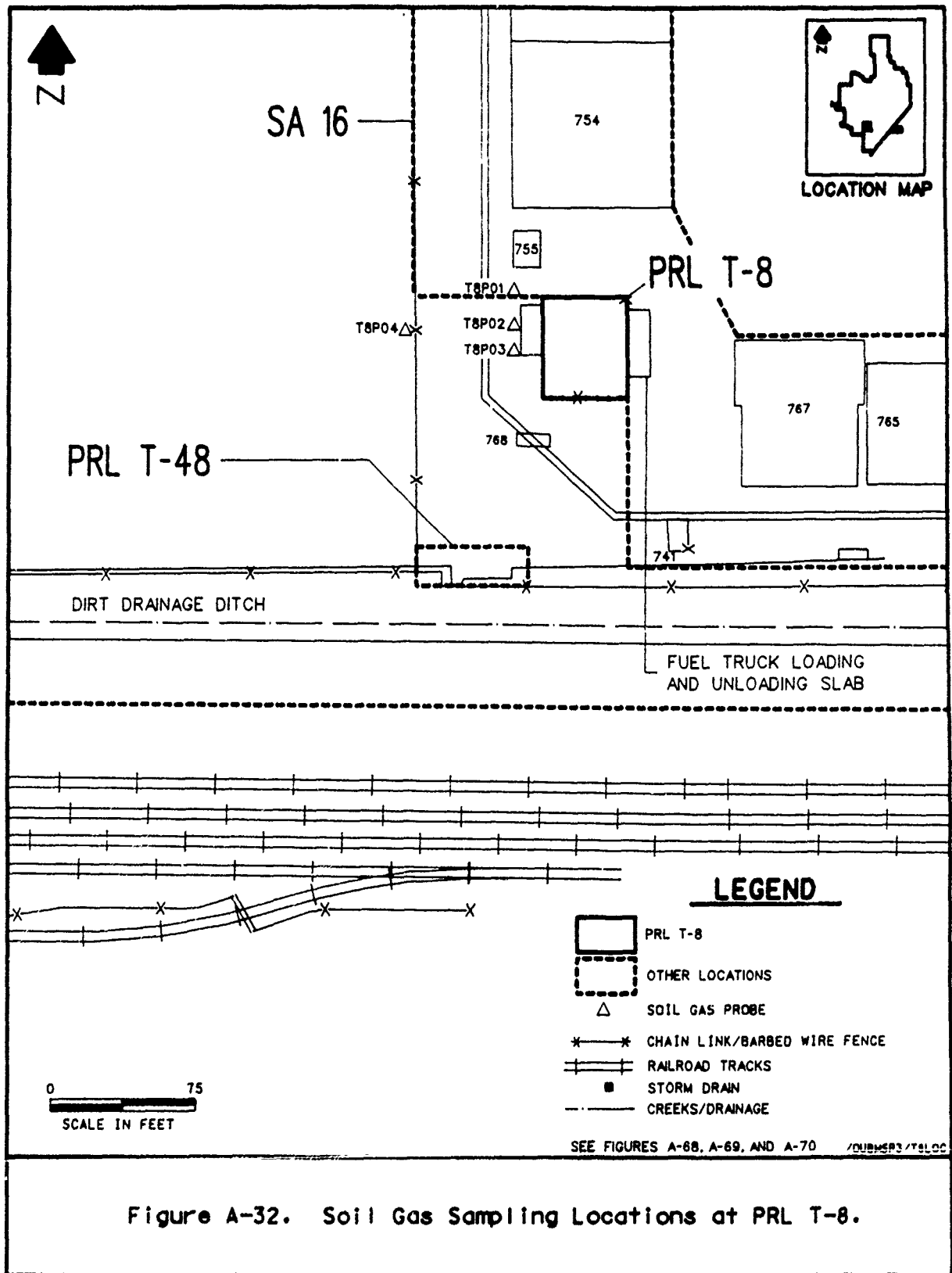


Figure A-28. Soil Gas Sample Locations at PRL S-33.









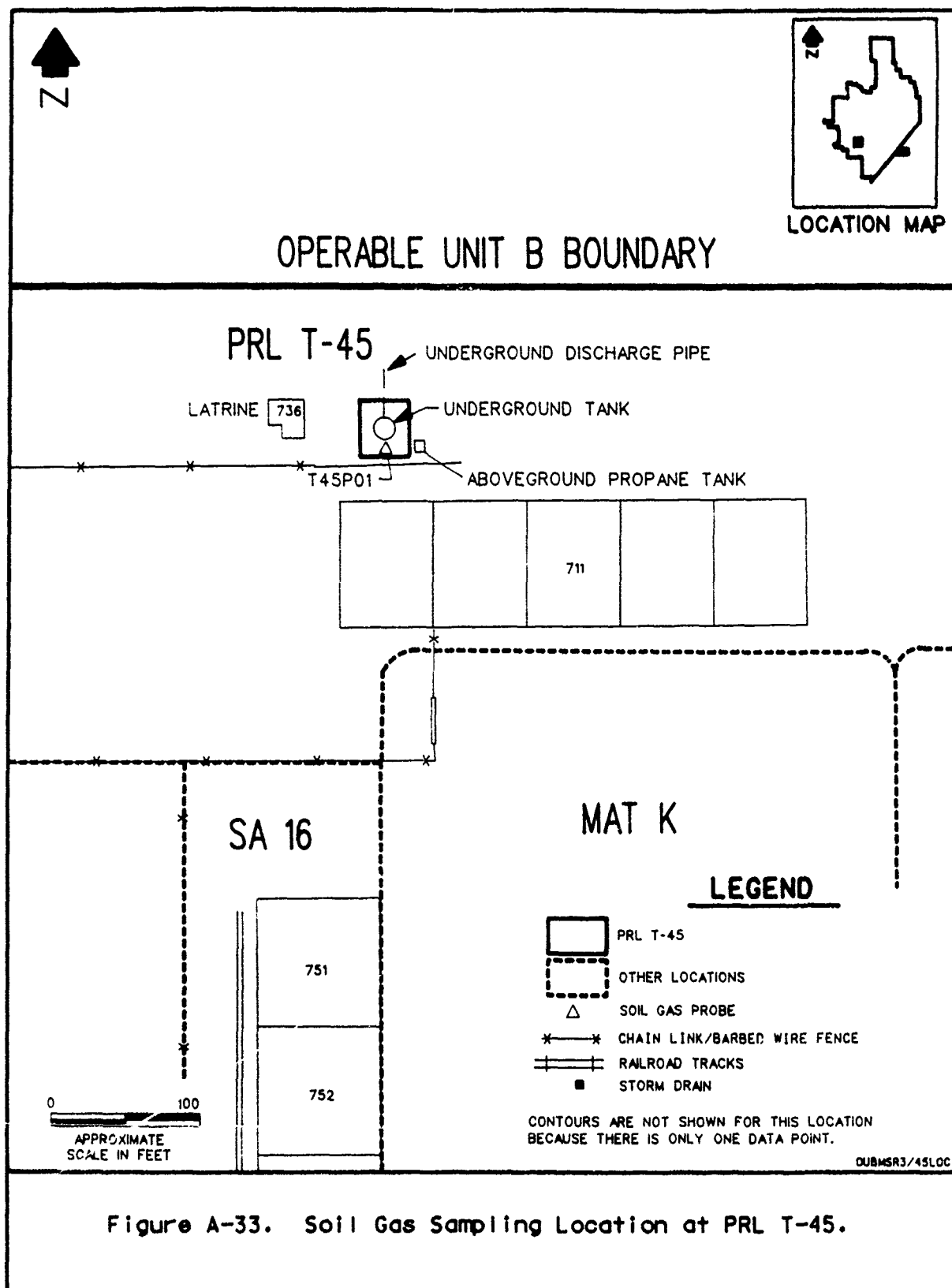
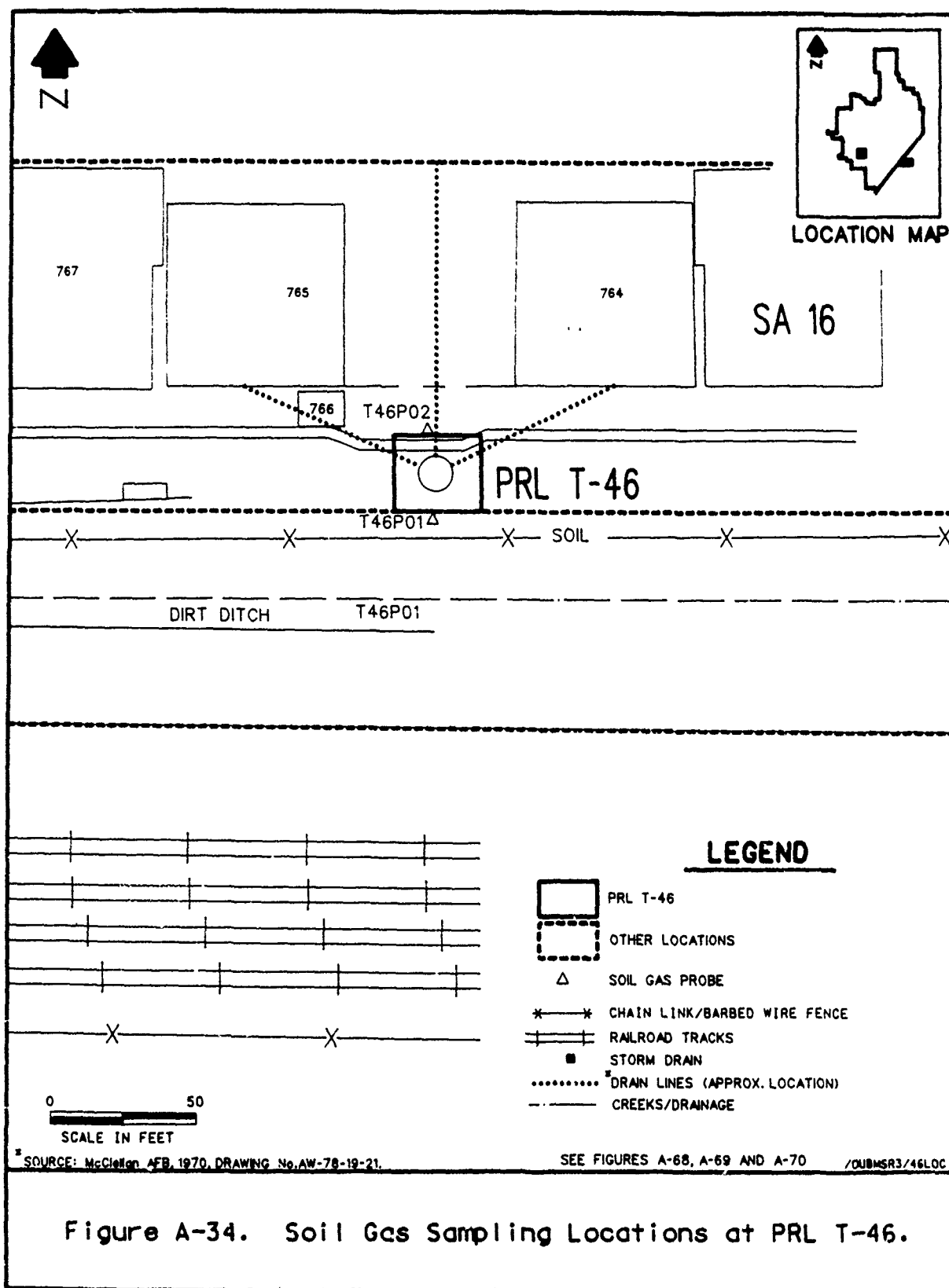
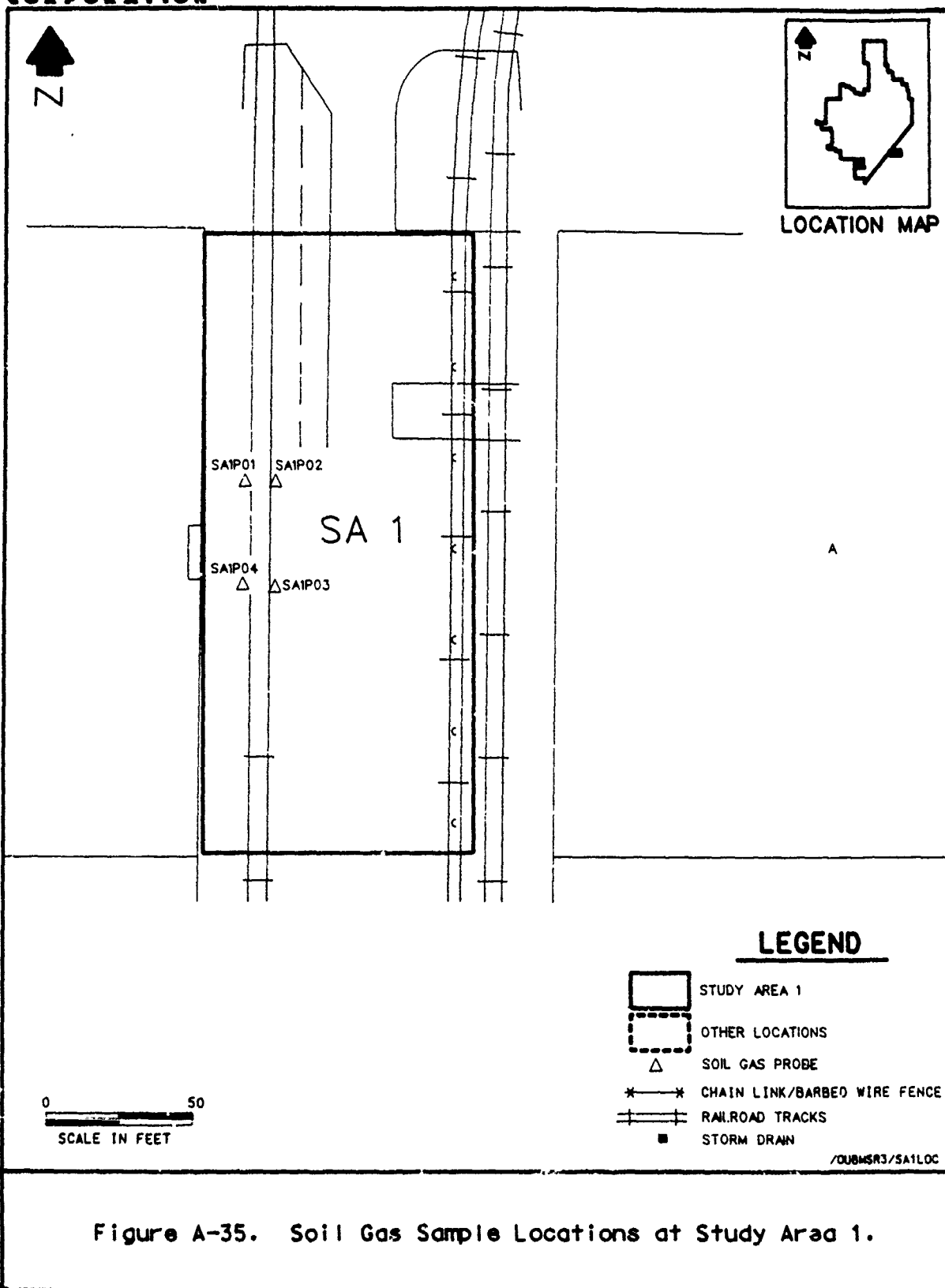
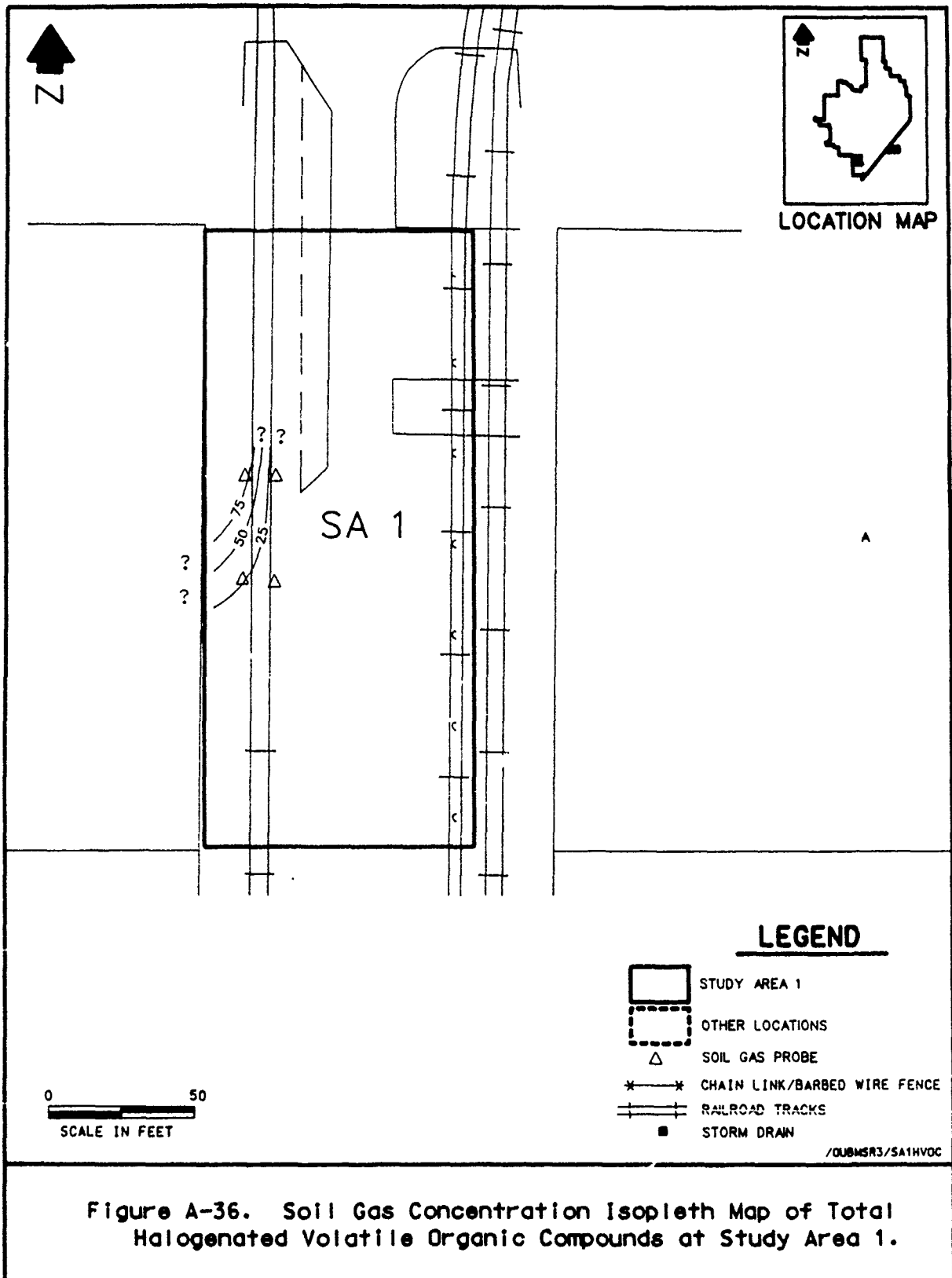
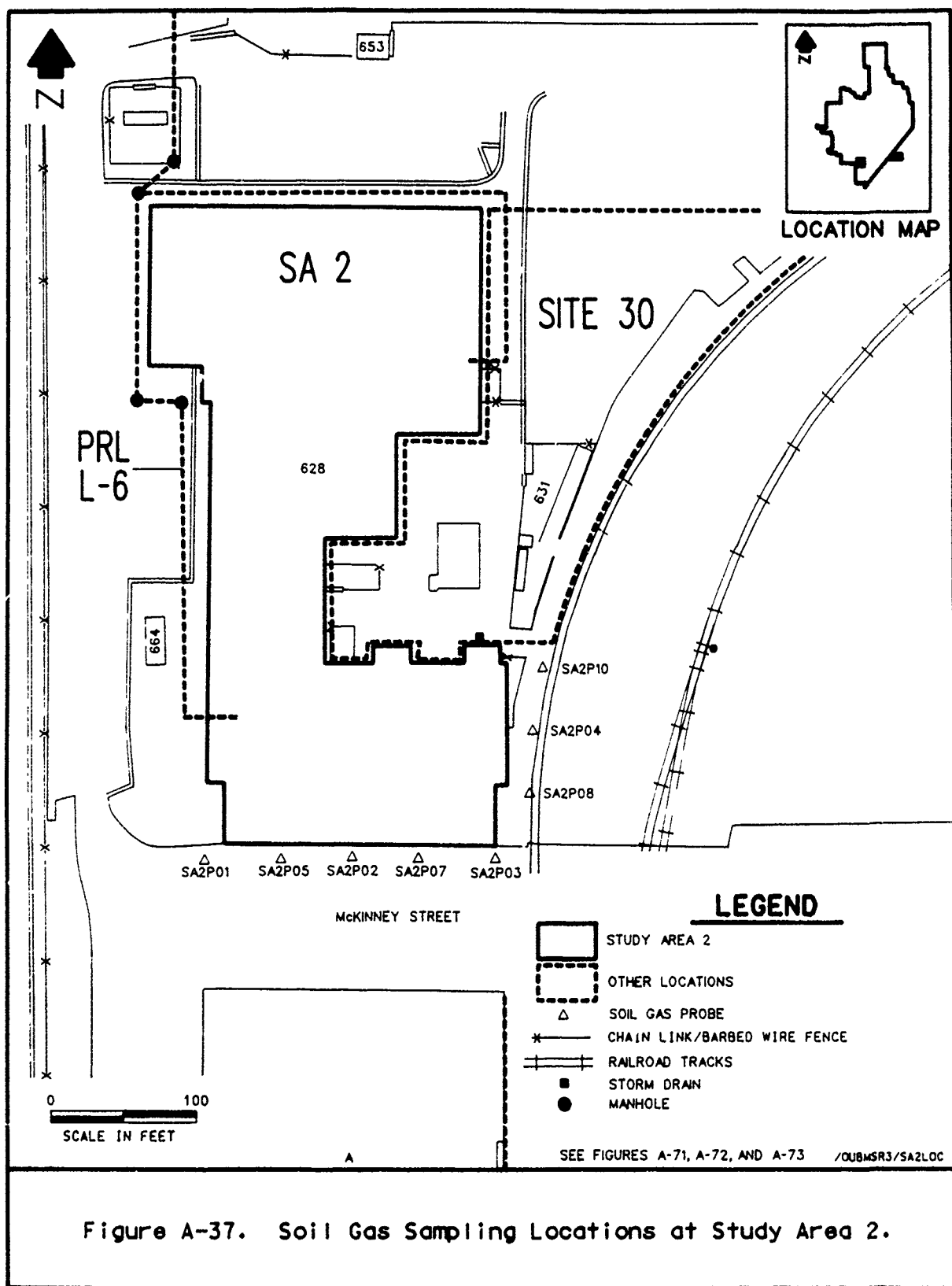


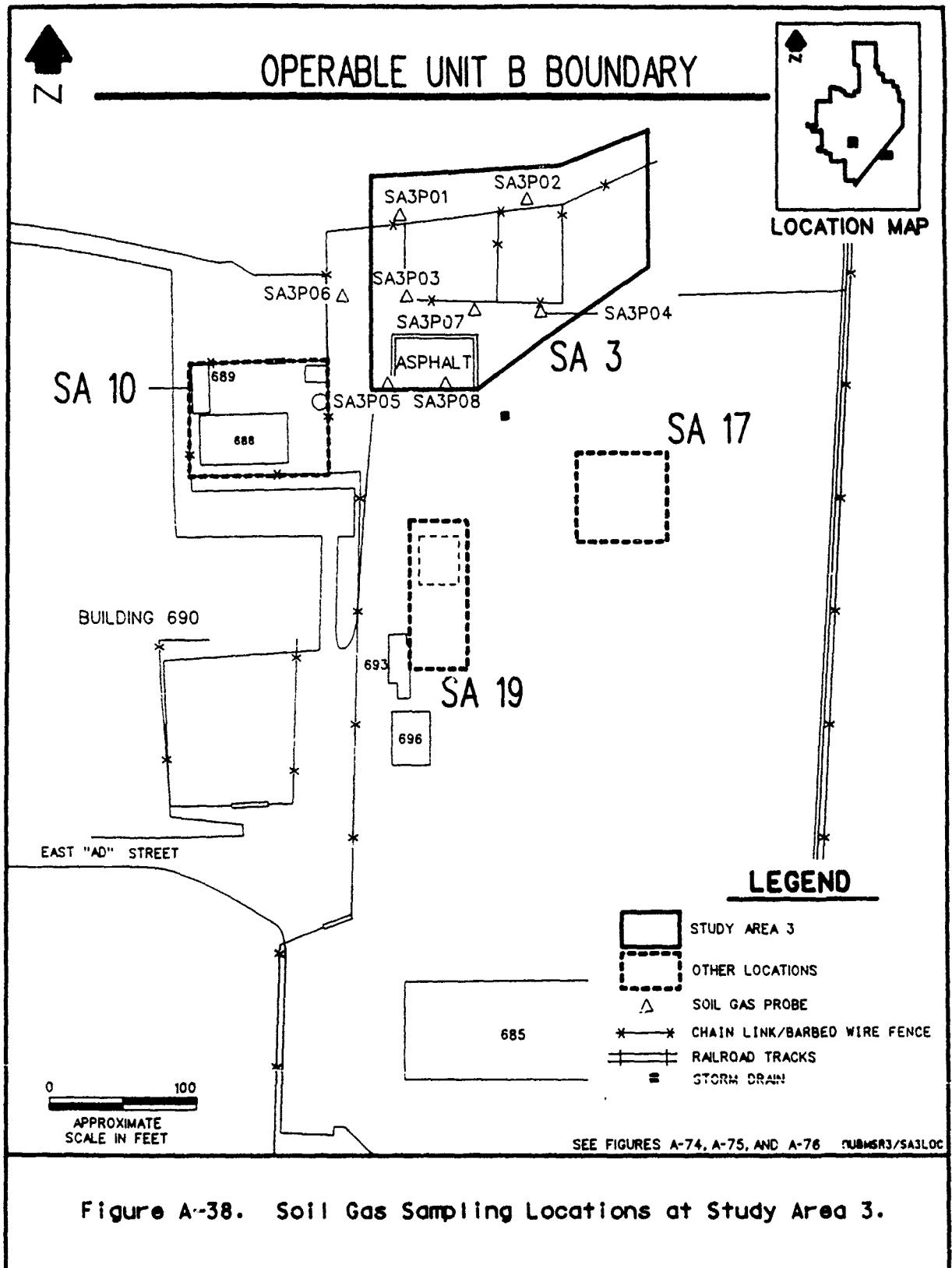
Figure A-33. Soil Gas Sampling Location at PRL T-45.

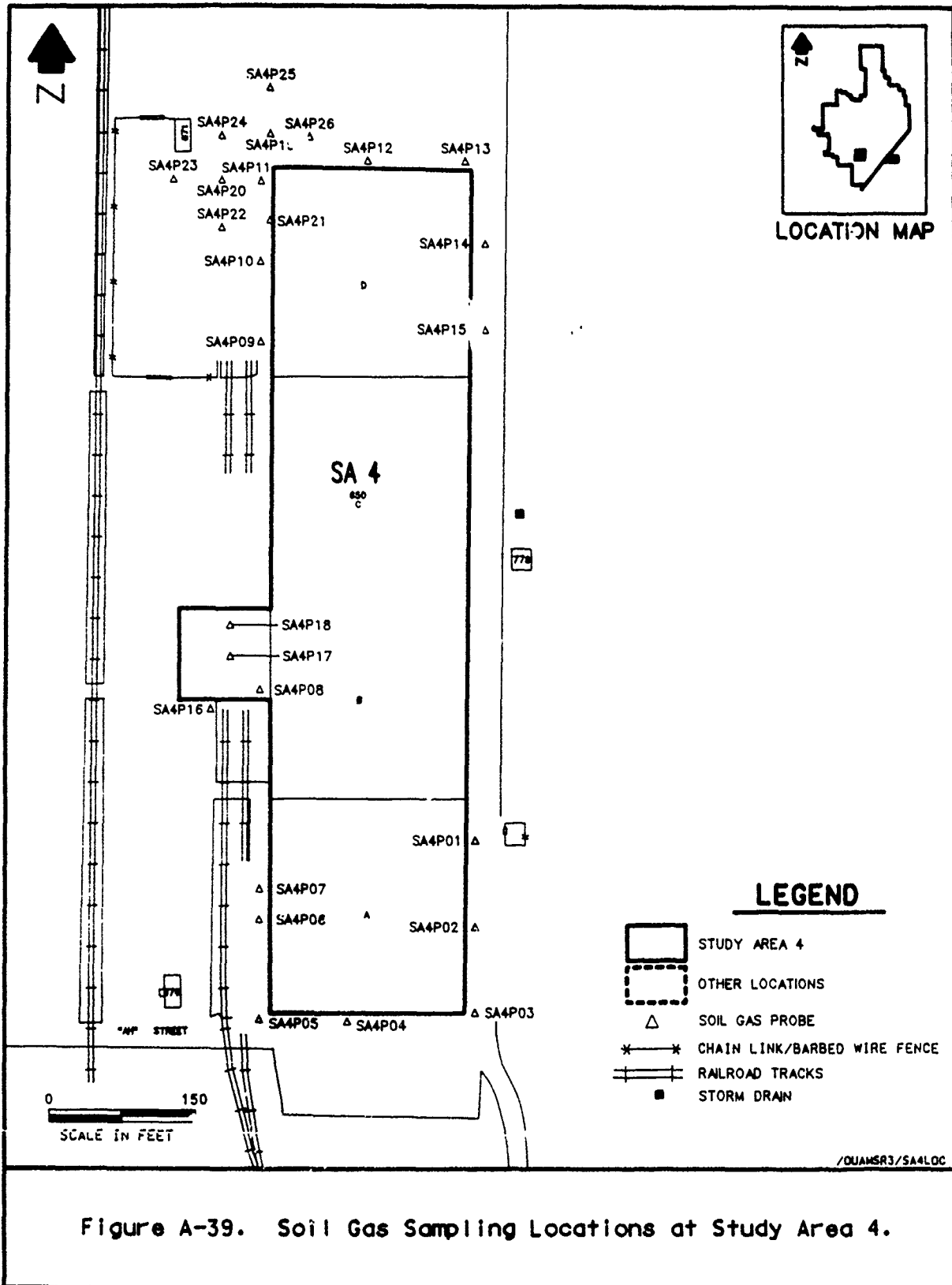


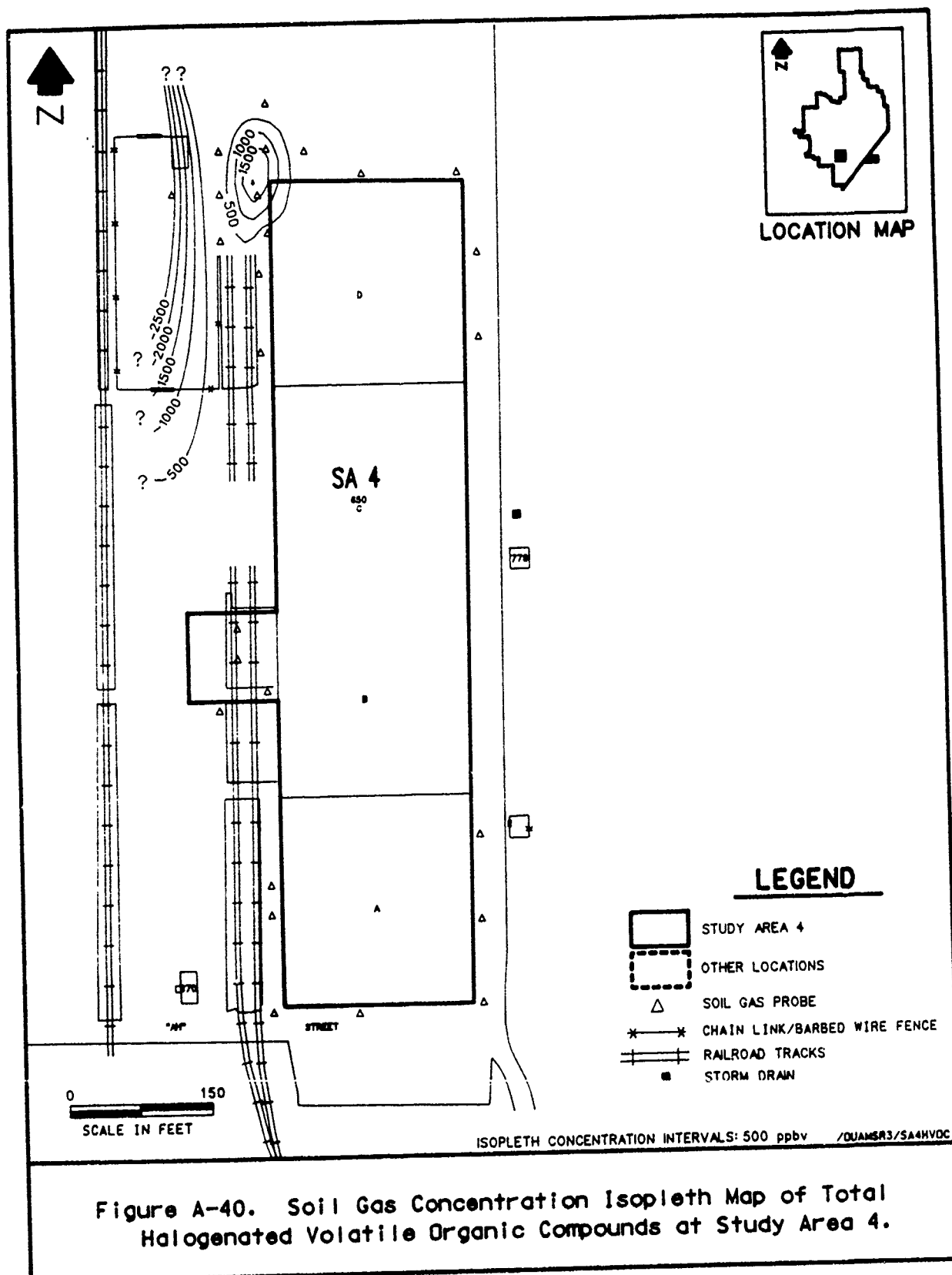


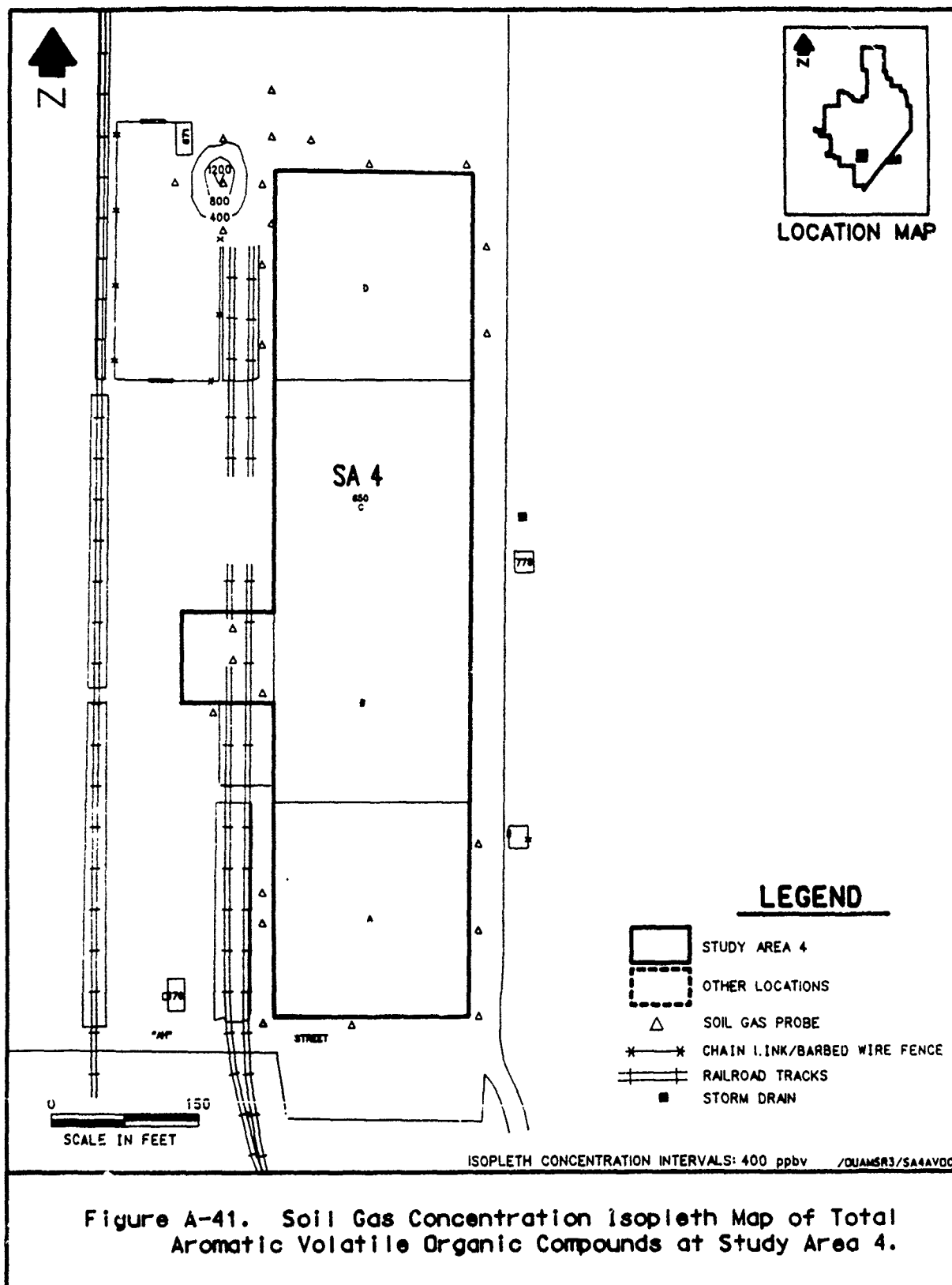


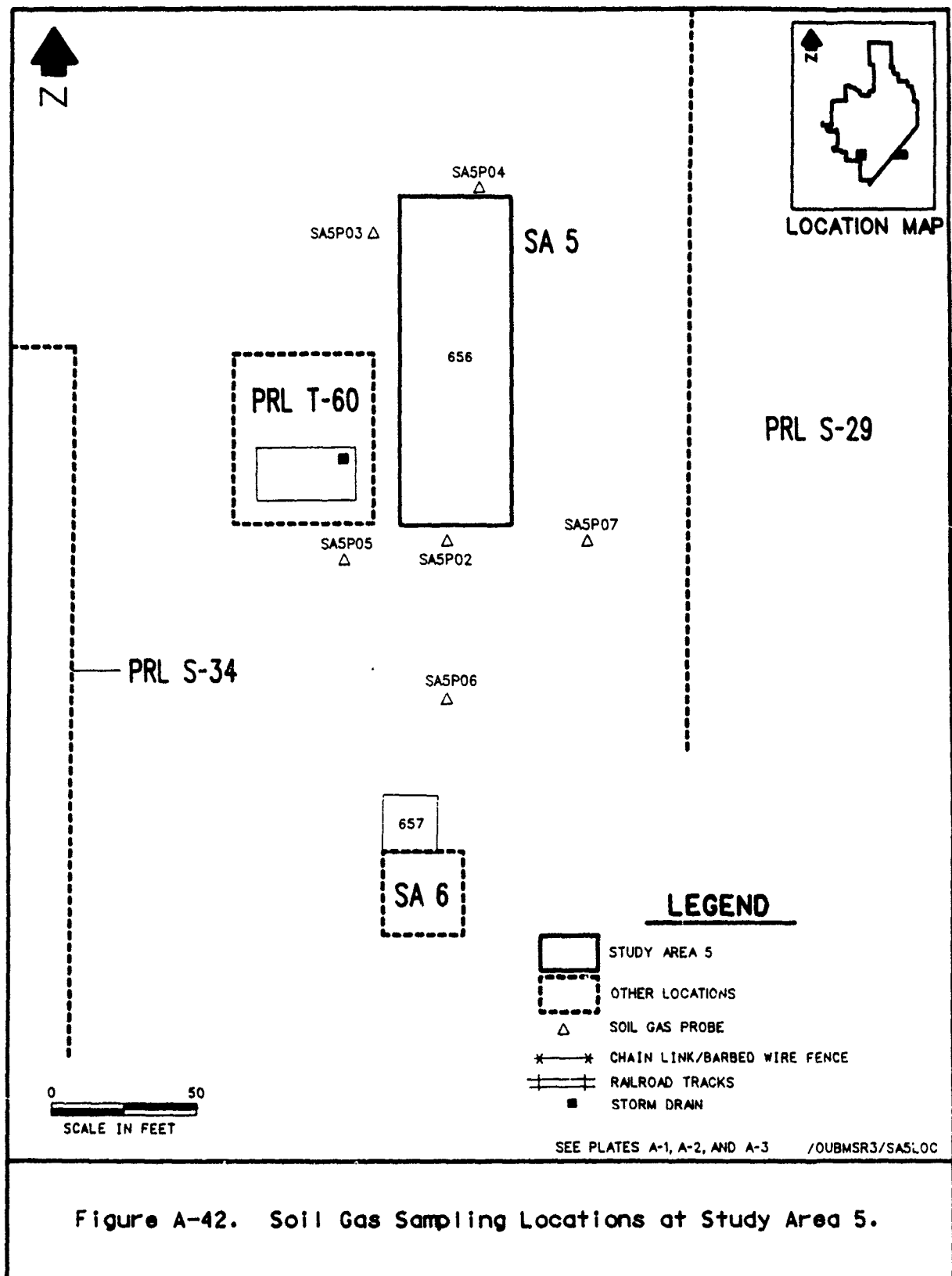












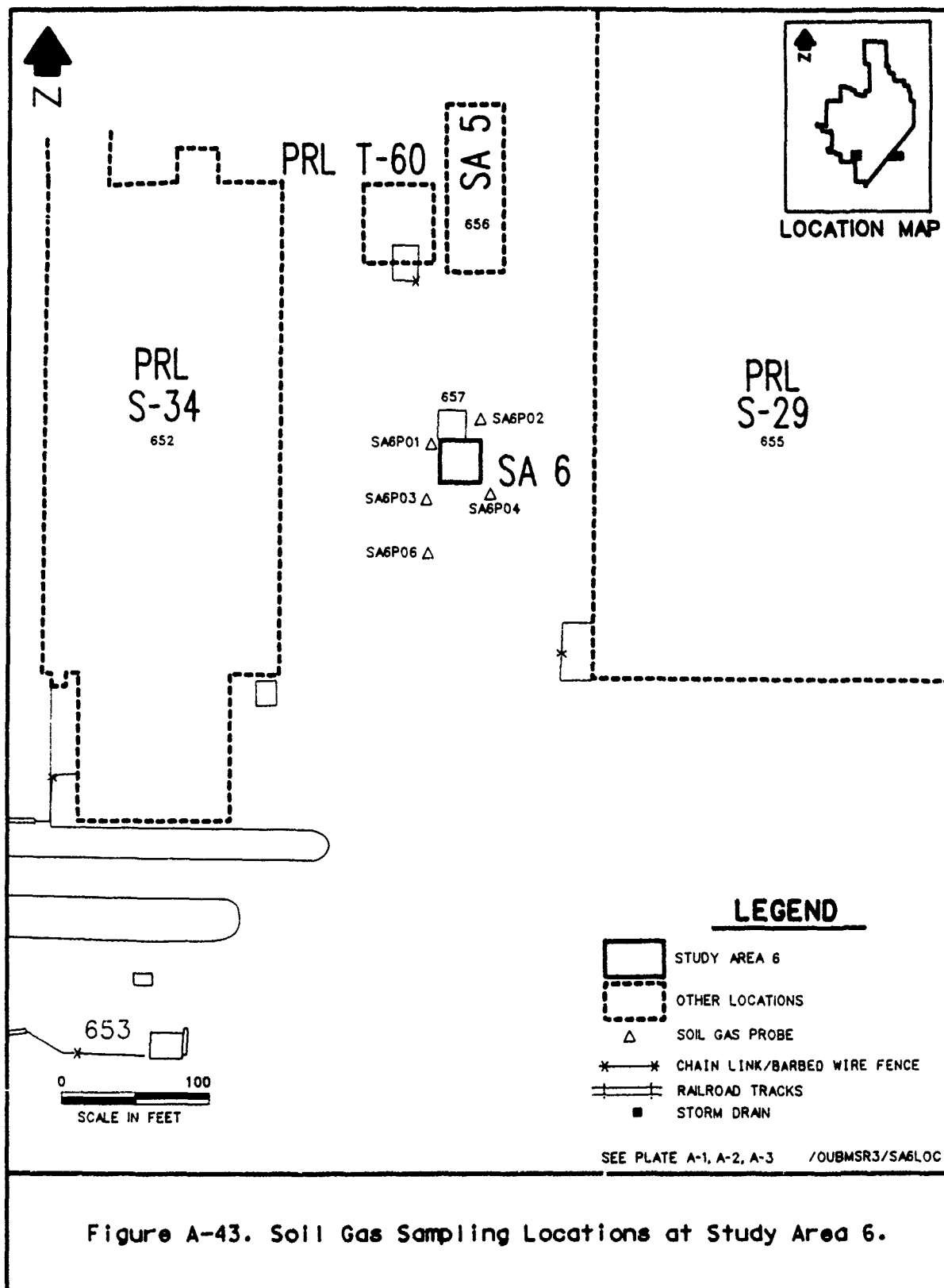
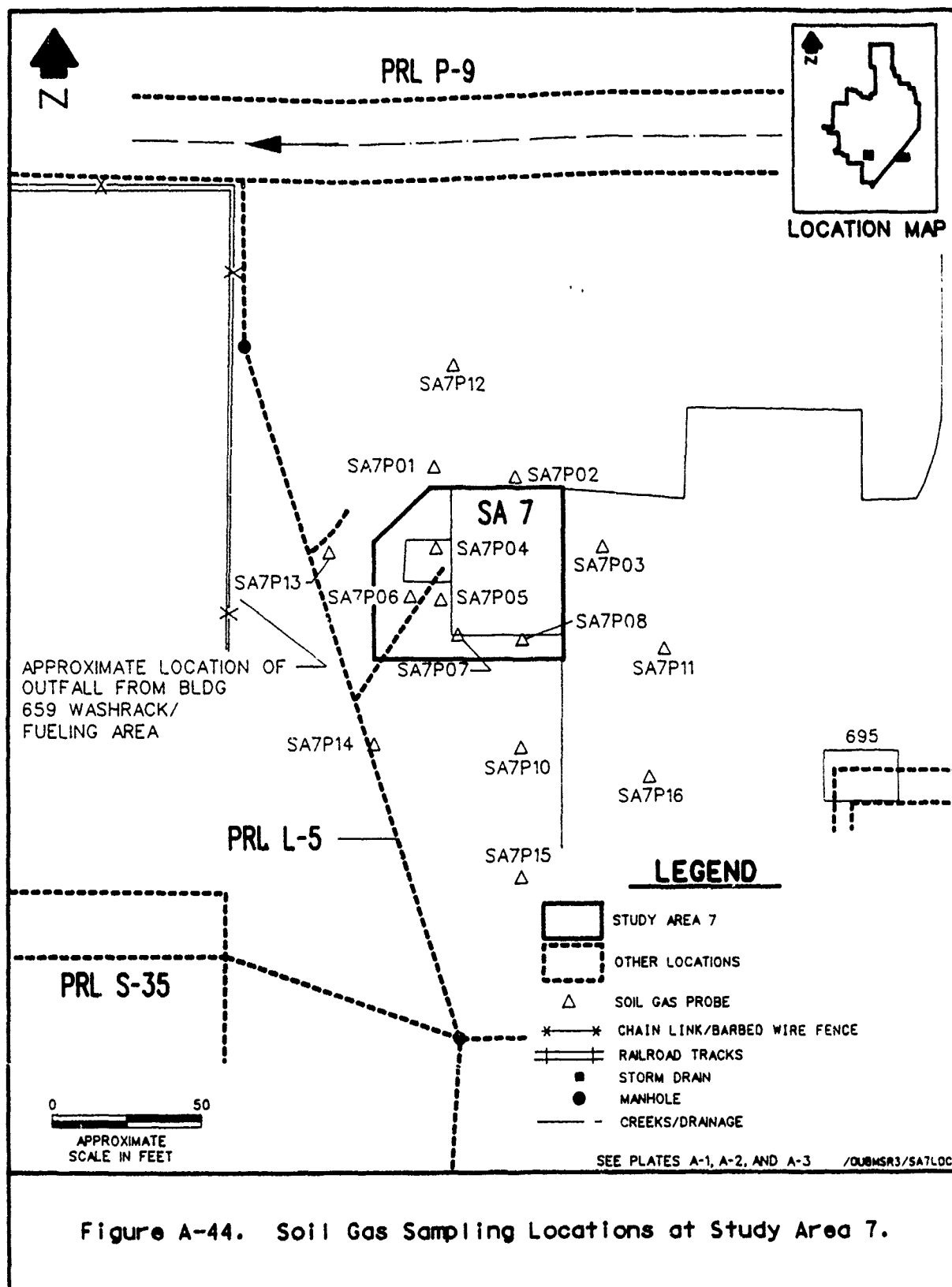
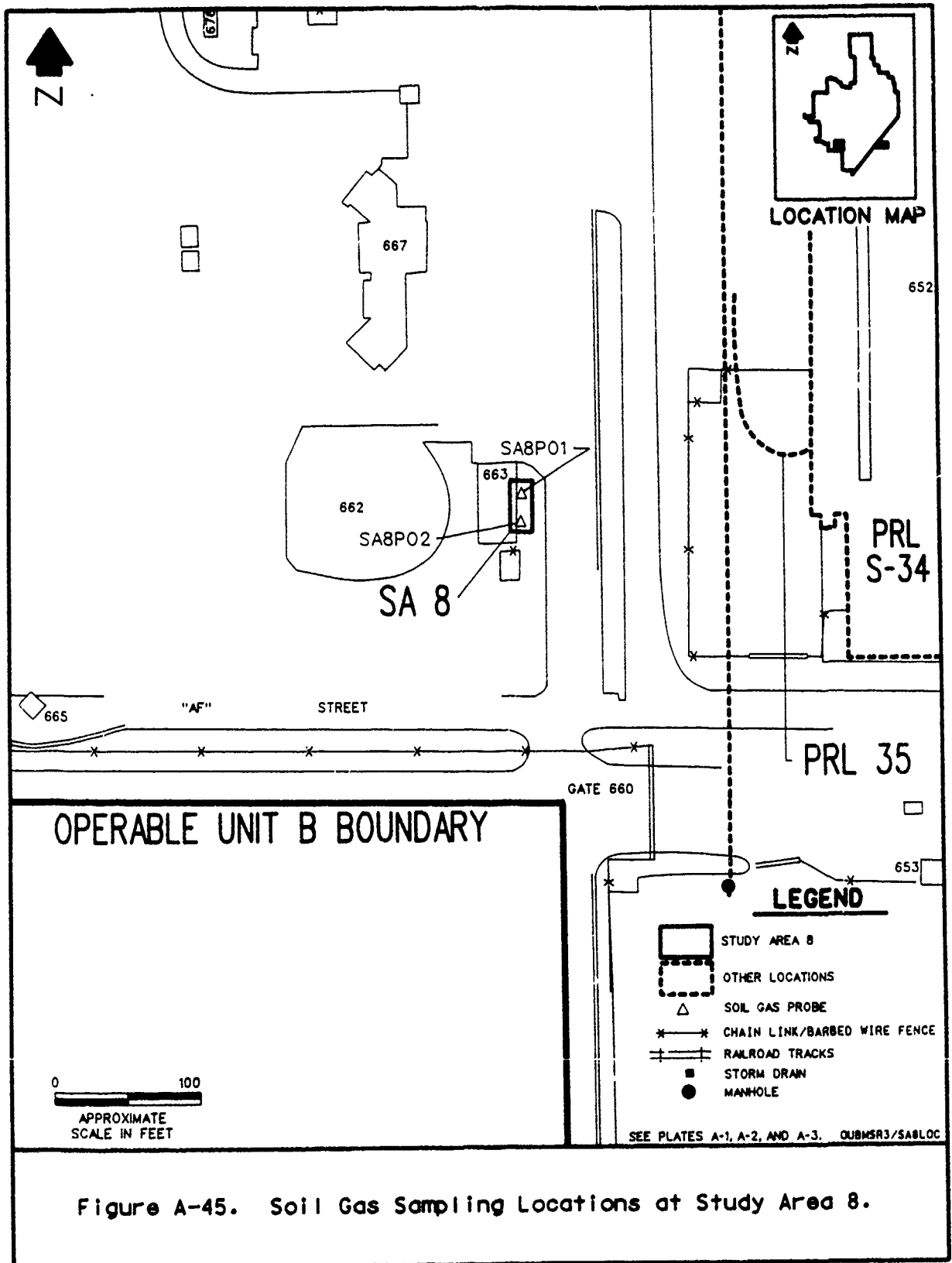
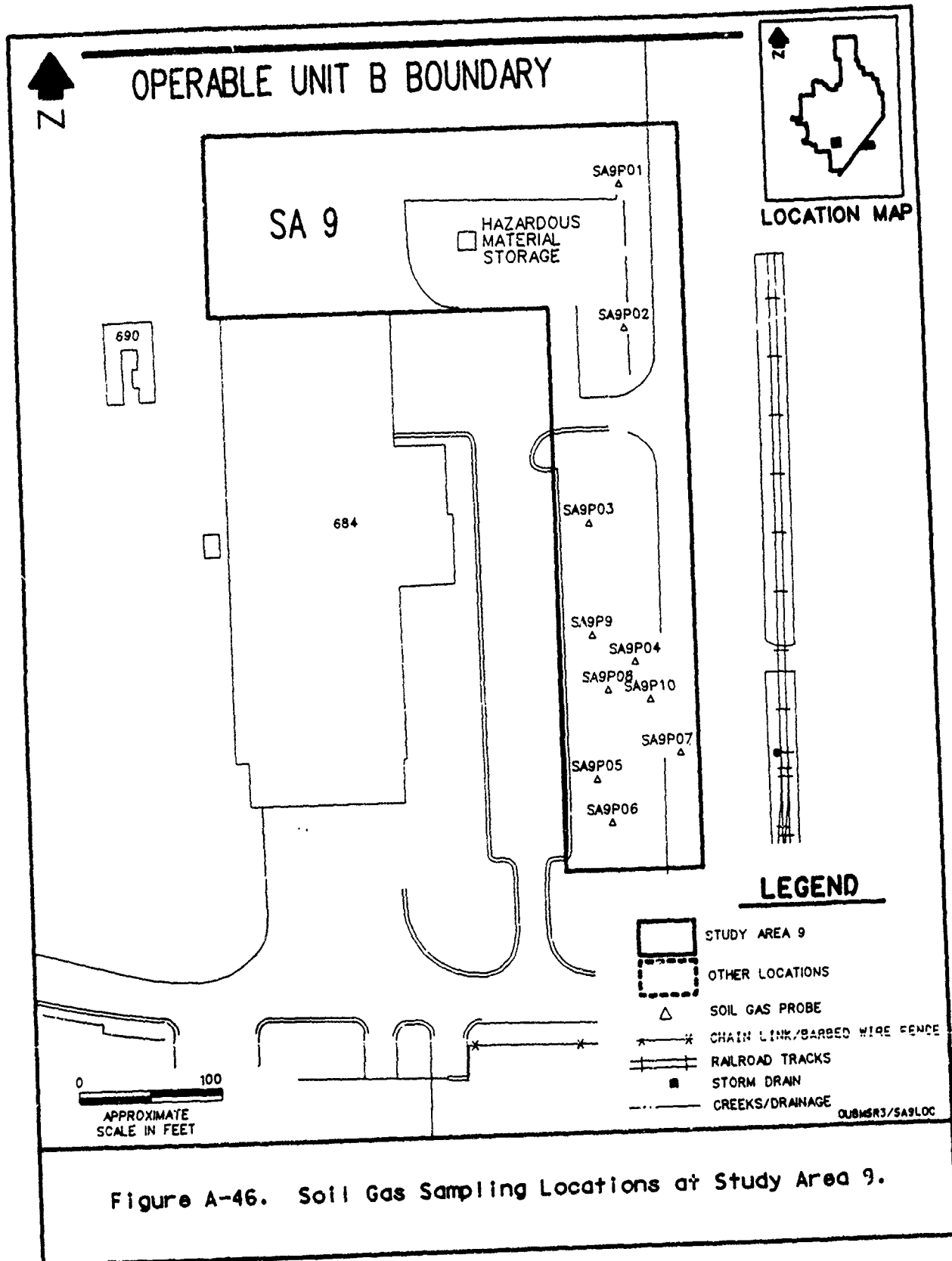
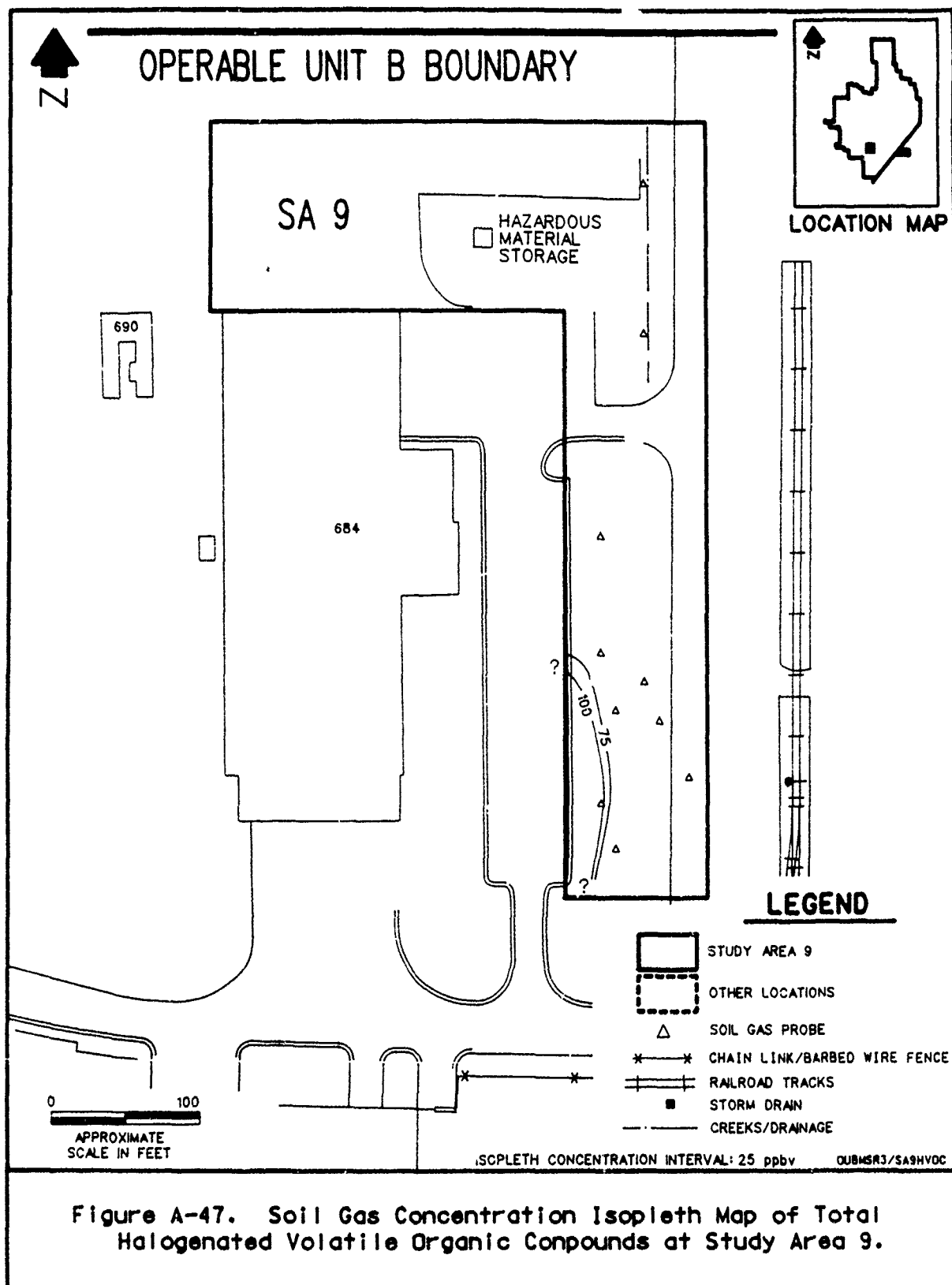


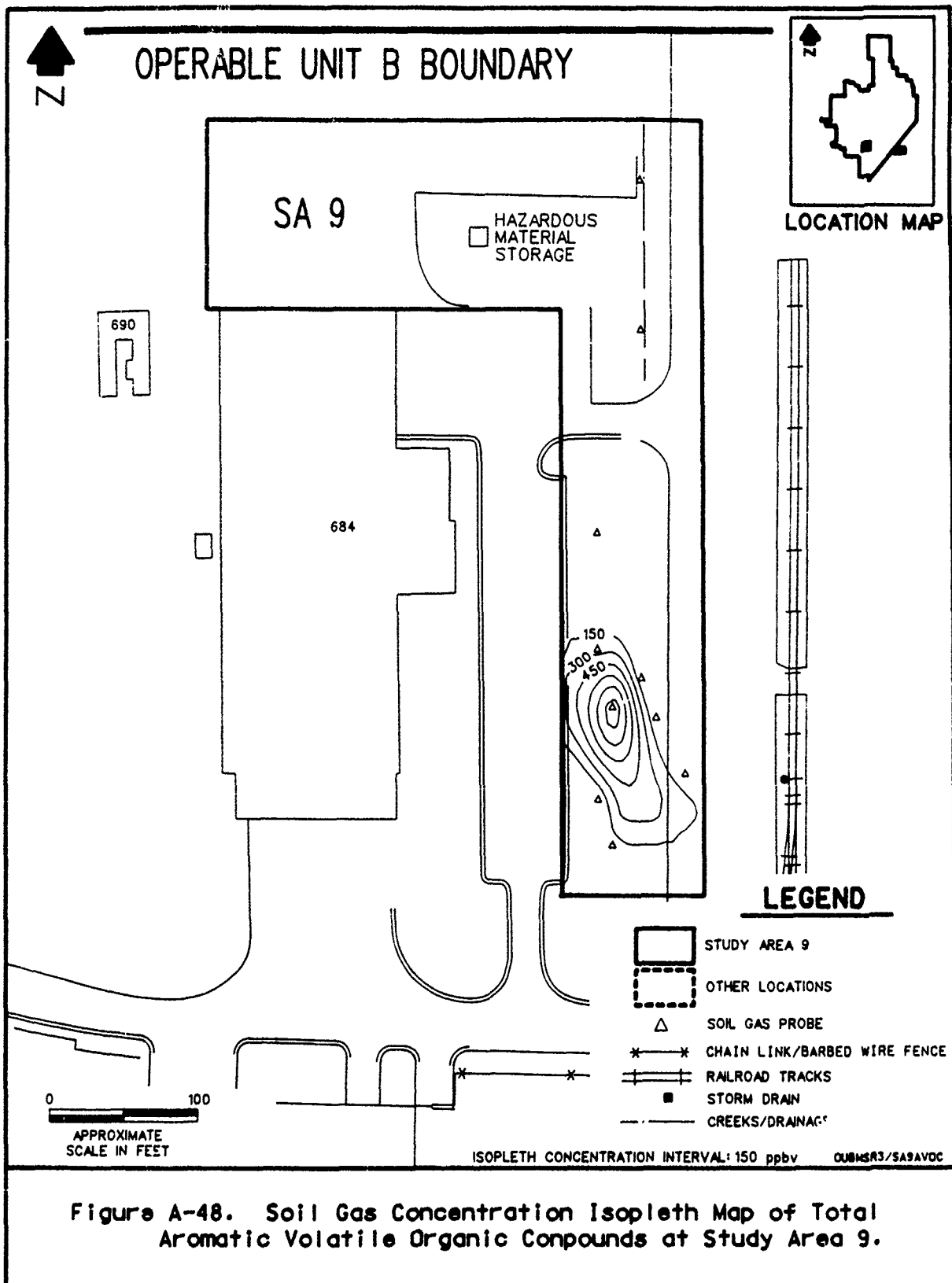
Figure A-43. Soil Gas Sampling Locations at Study Area 6.

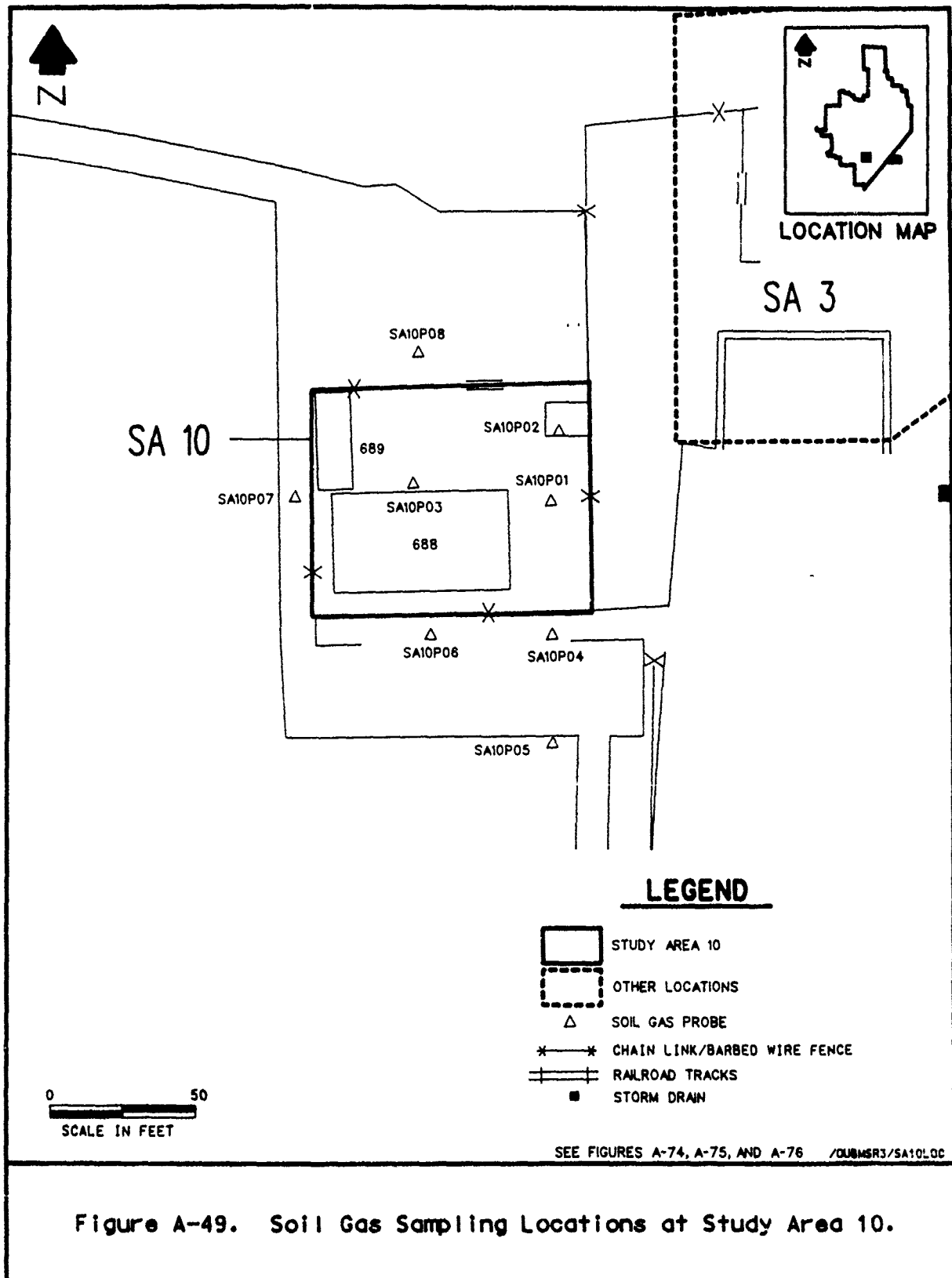


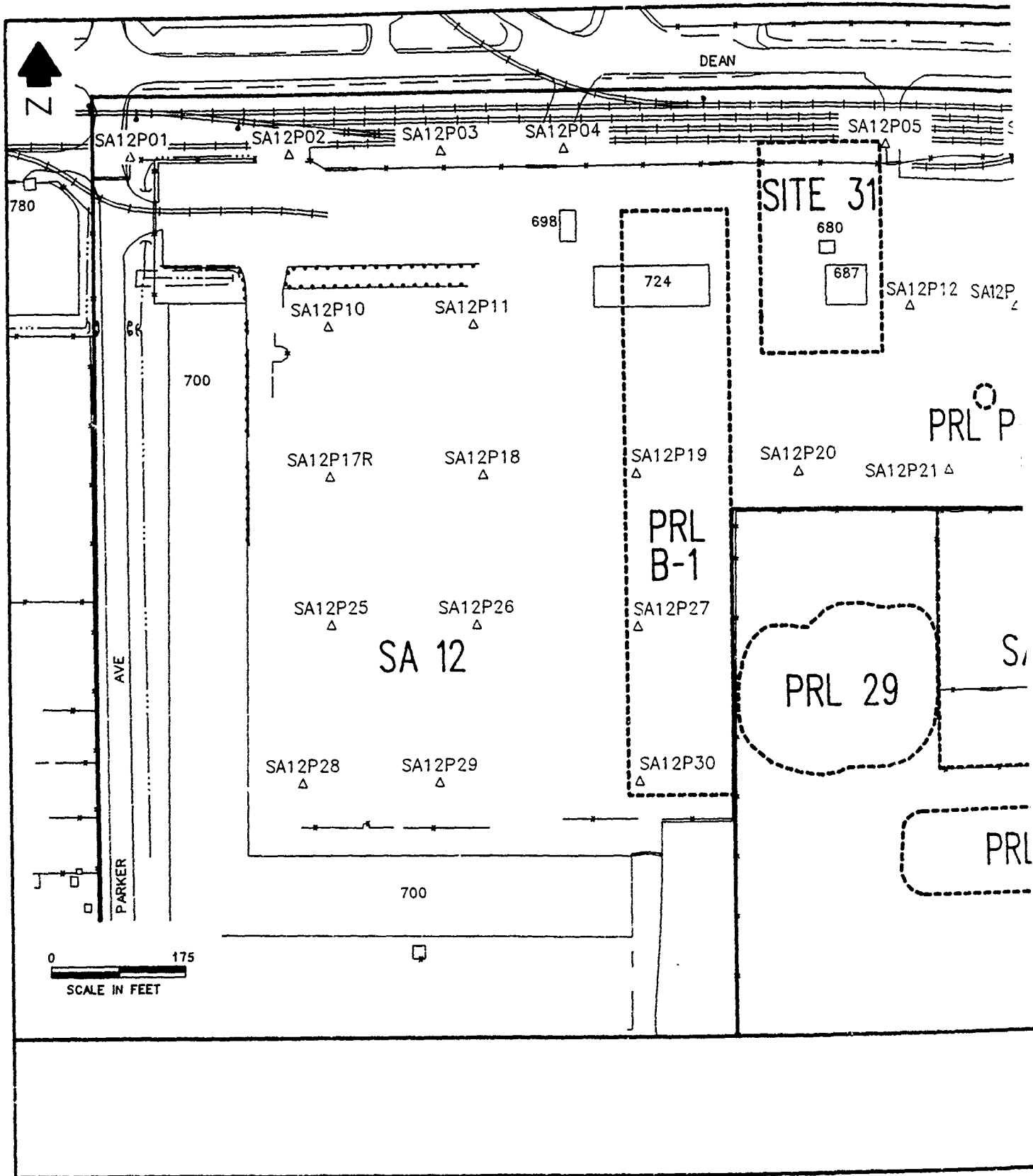












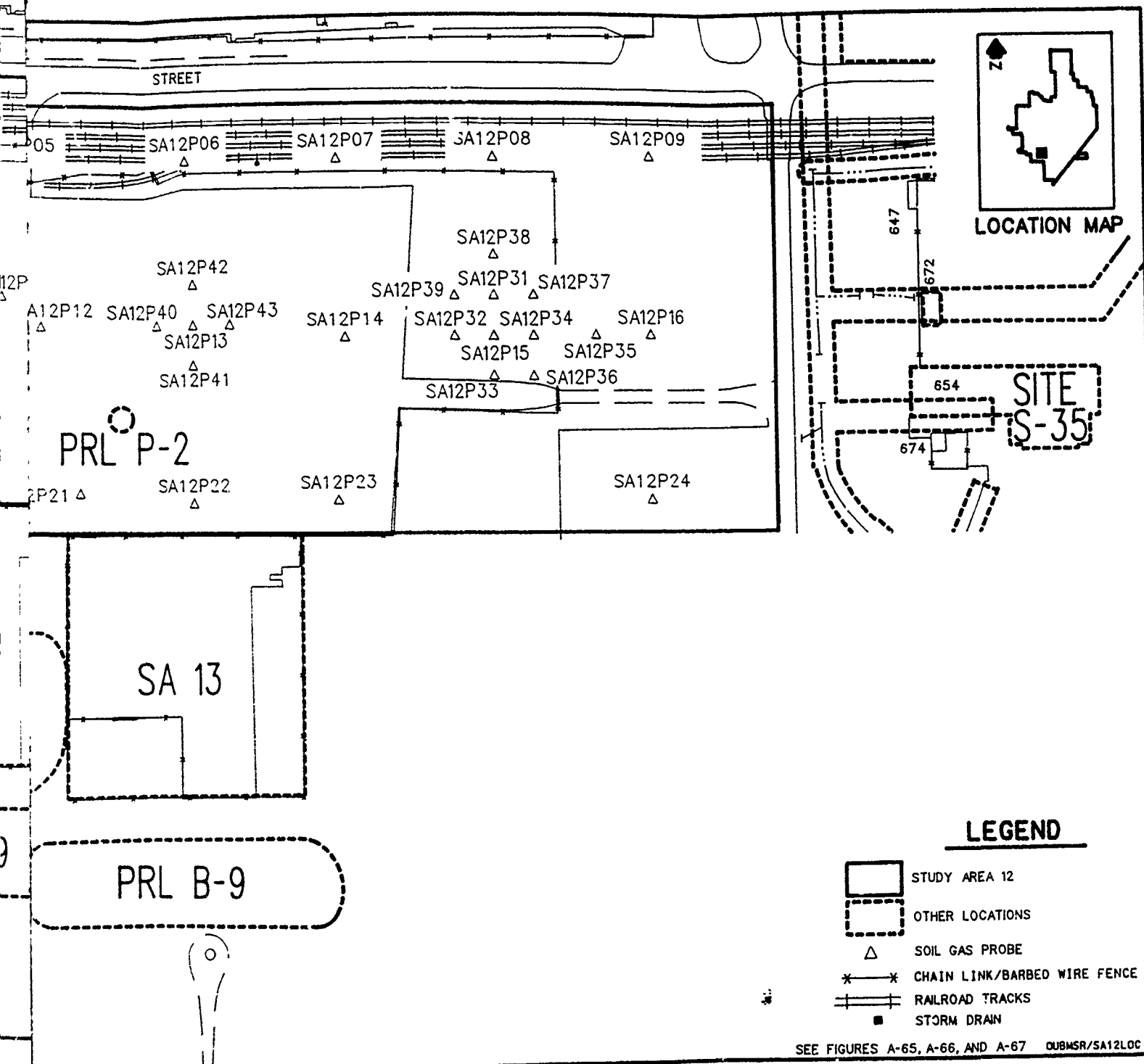
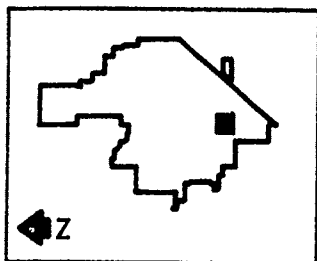
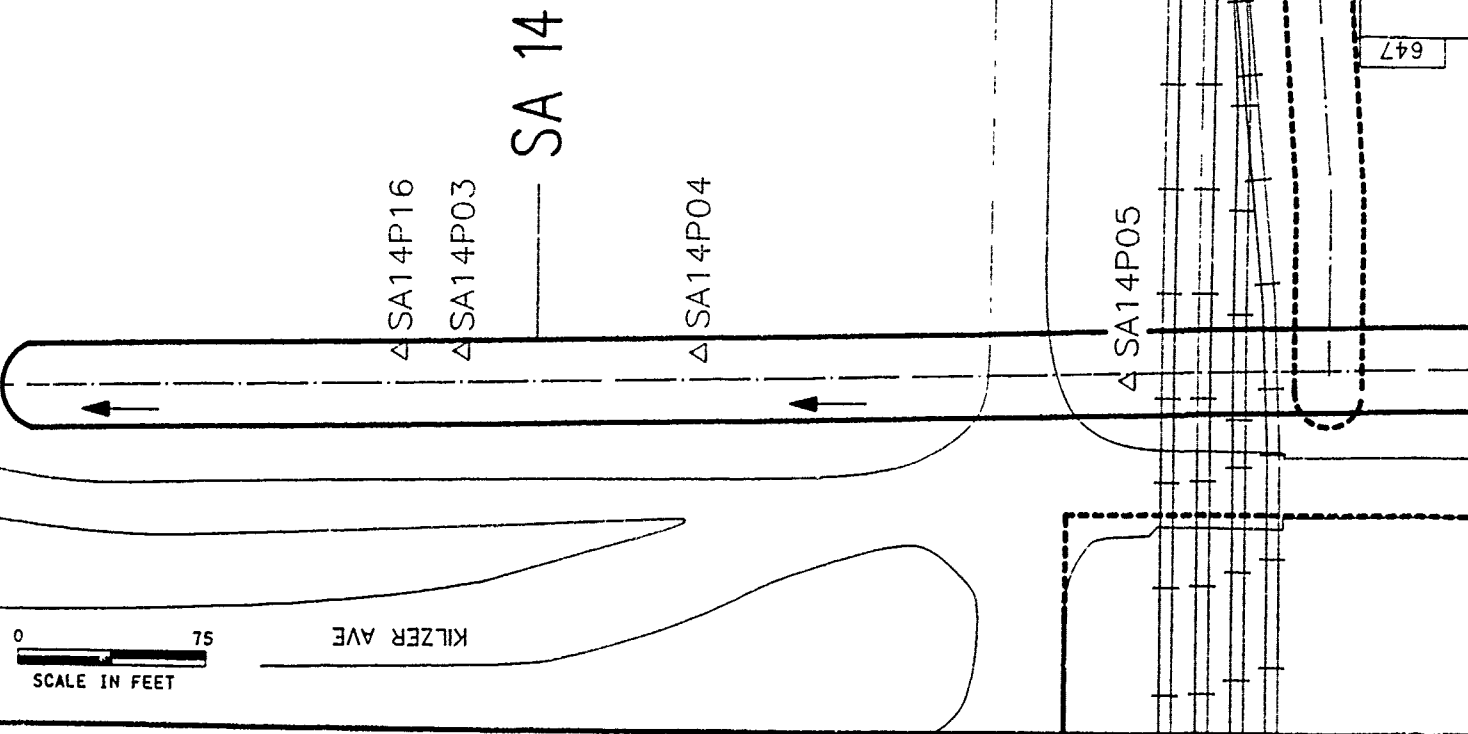
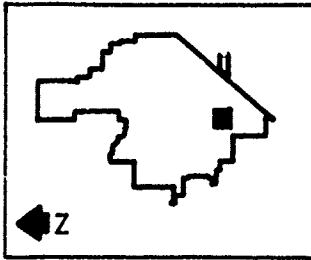


Figure A-51. Soil Gas Sampling Locations at Study Area 12.



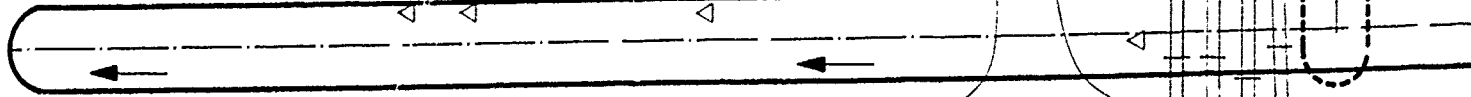
LOCATION MAP





LOCATION MAP

SA 14



0 75
SCALE IN FEET

KILZER AVE

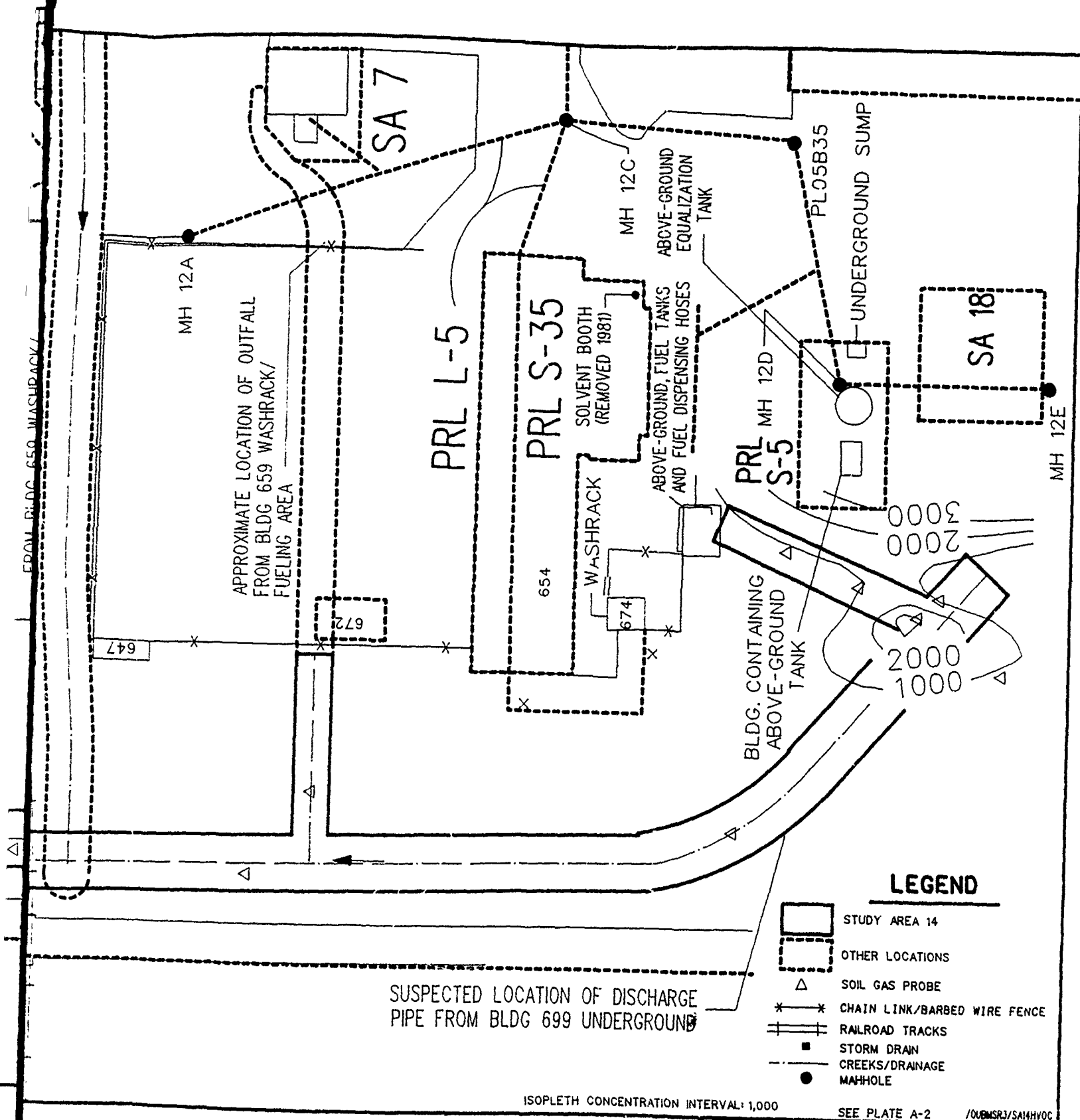
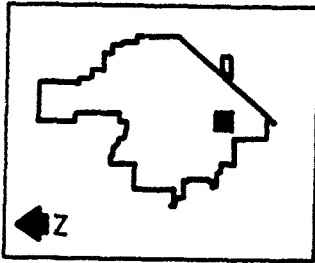


Figure A-53. Soil Gas Concentration Isopleth Map of Total Halogenated Volatile Organic Compounds at Study Area 14.



LOCATION MAP

SA 14



0 75
SCALE IN FEET

KILZER AVE

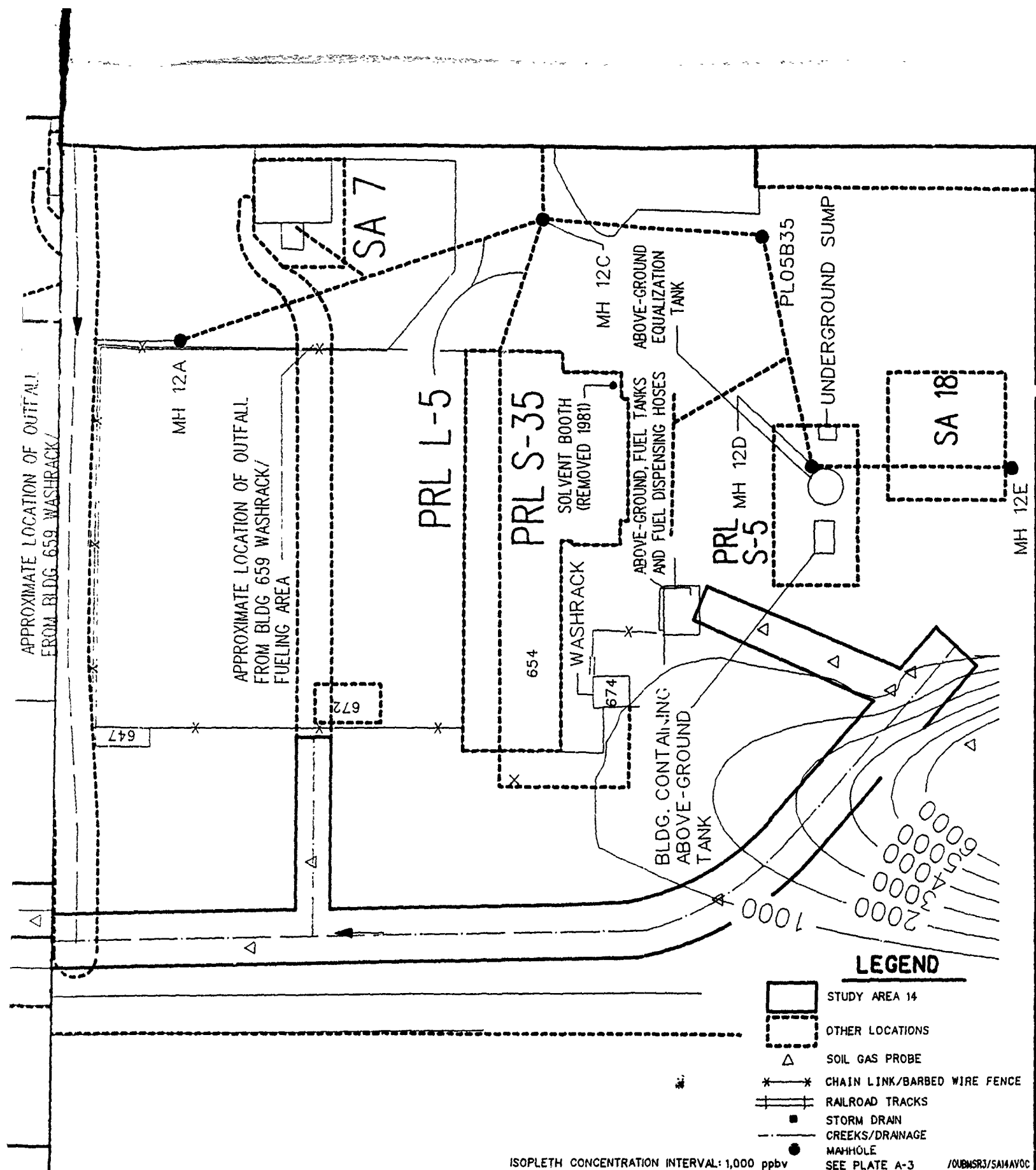
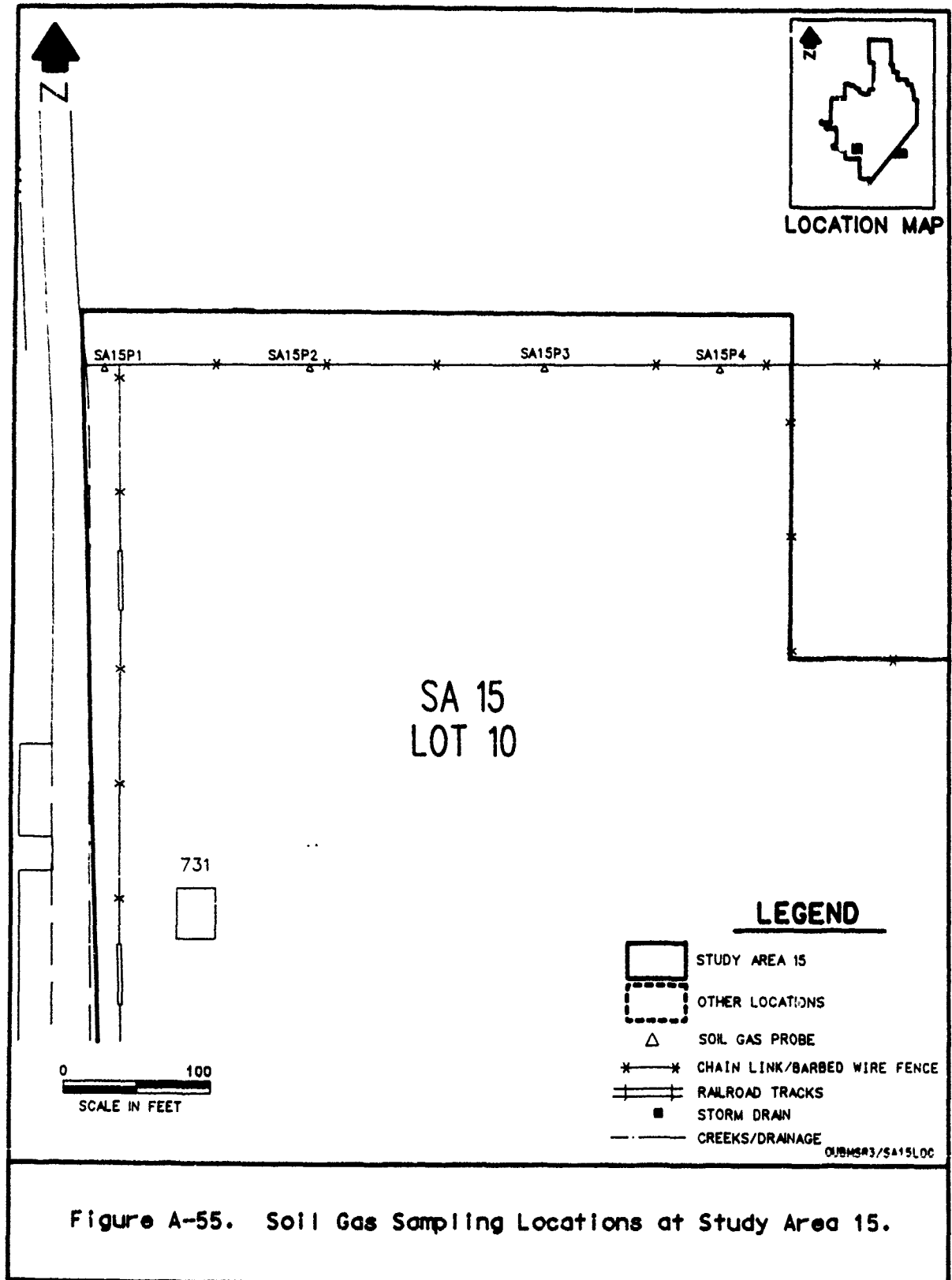
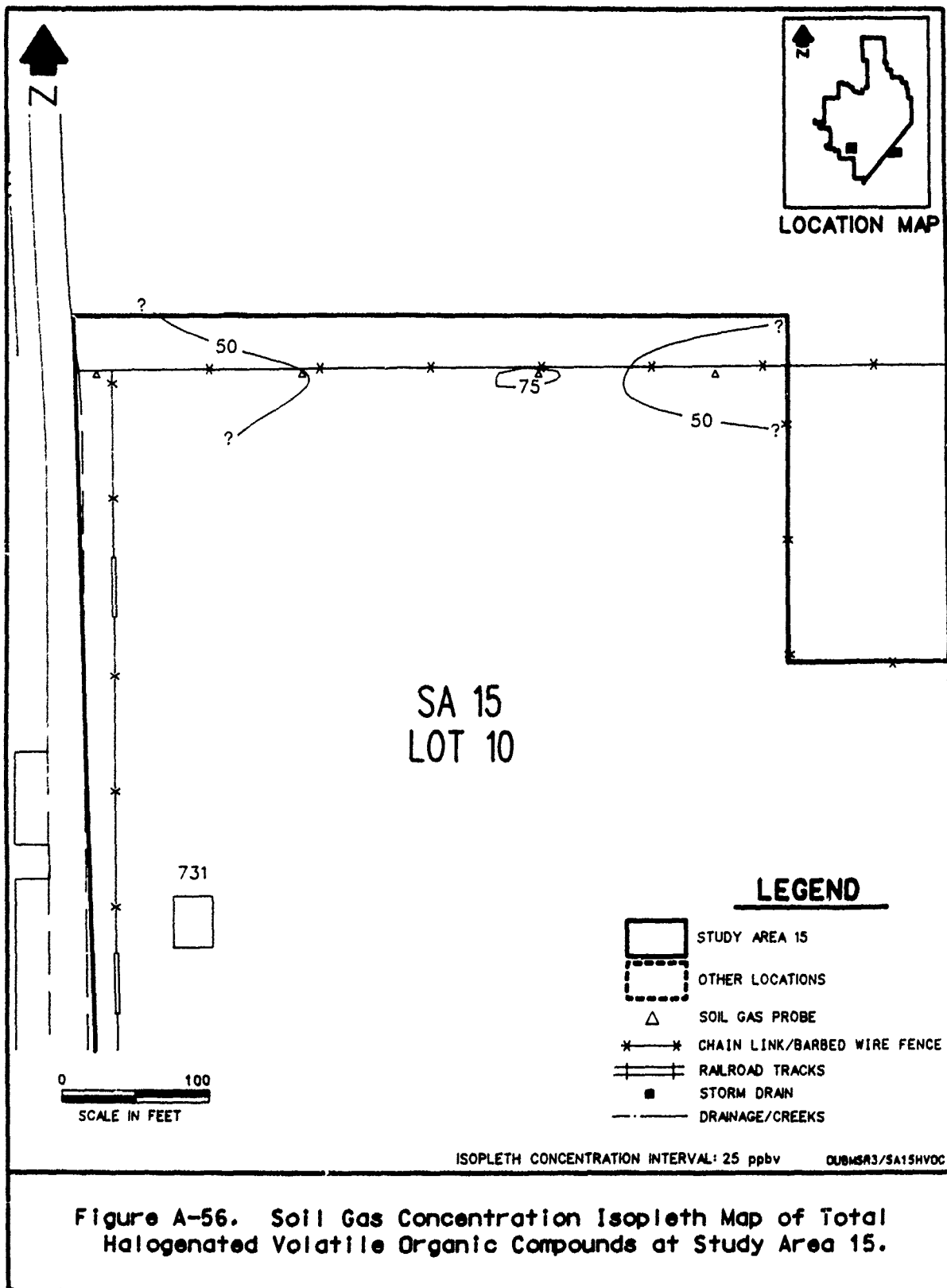
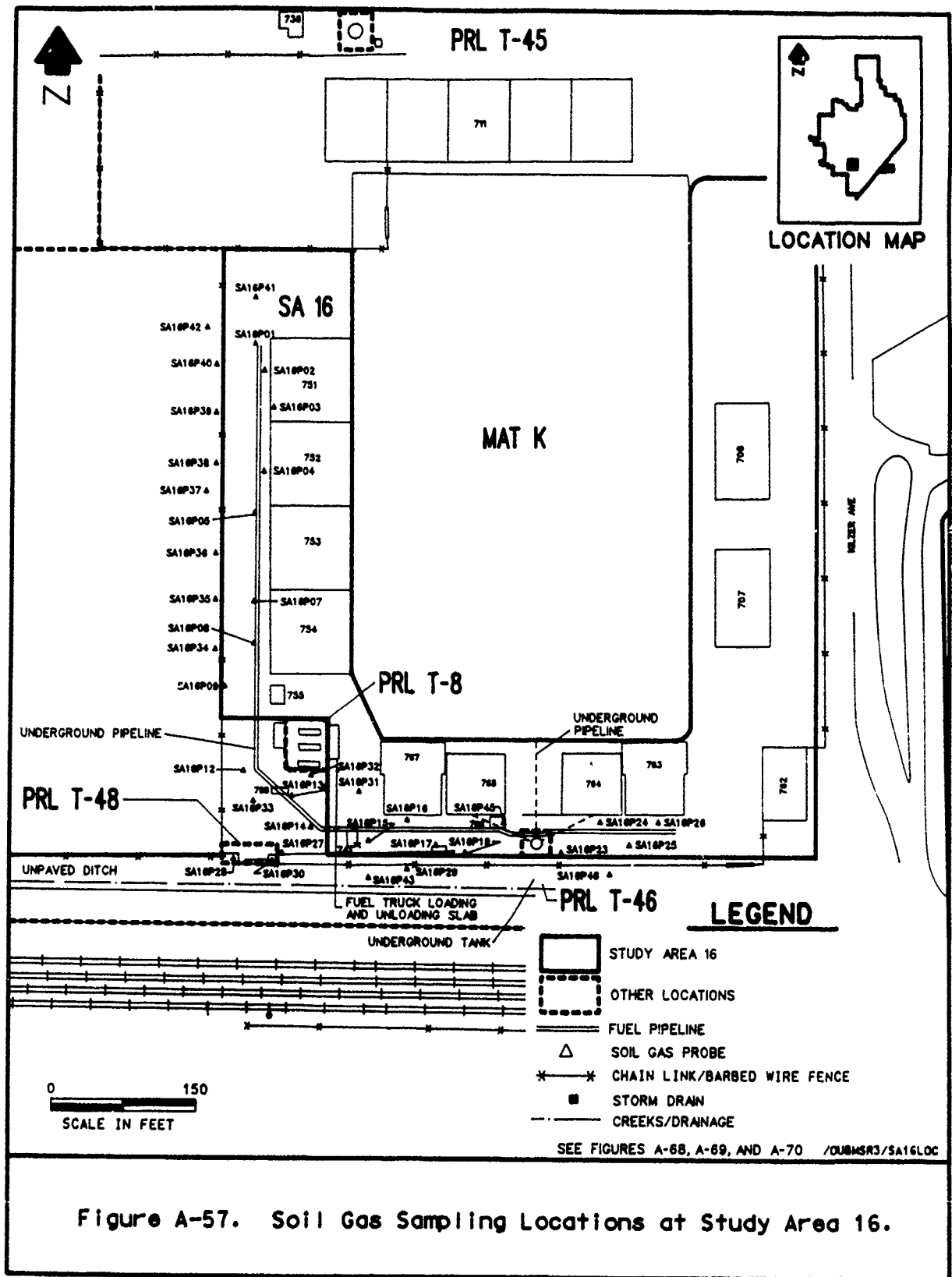
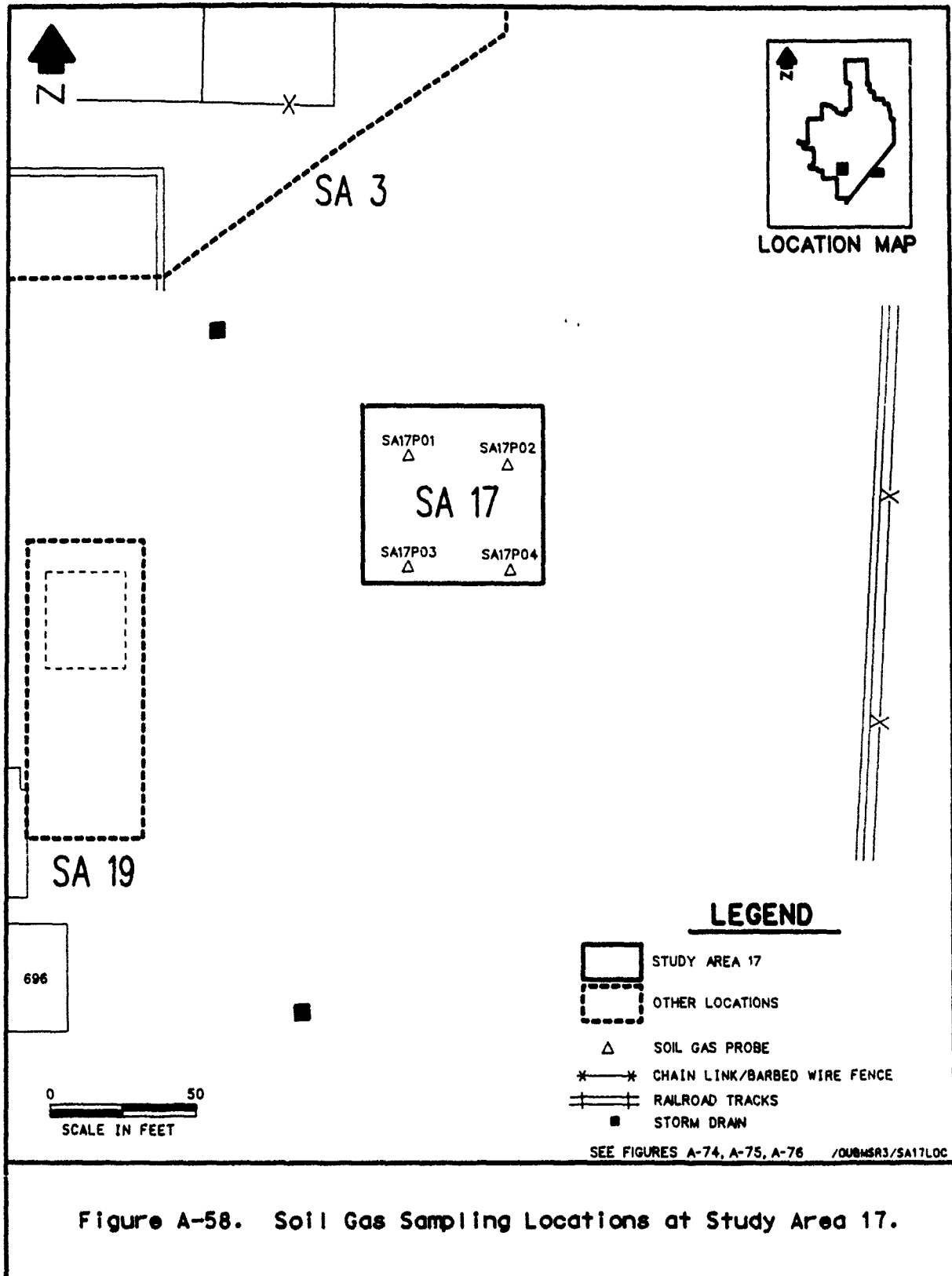


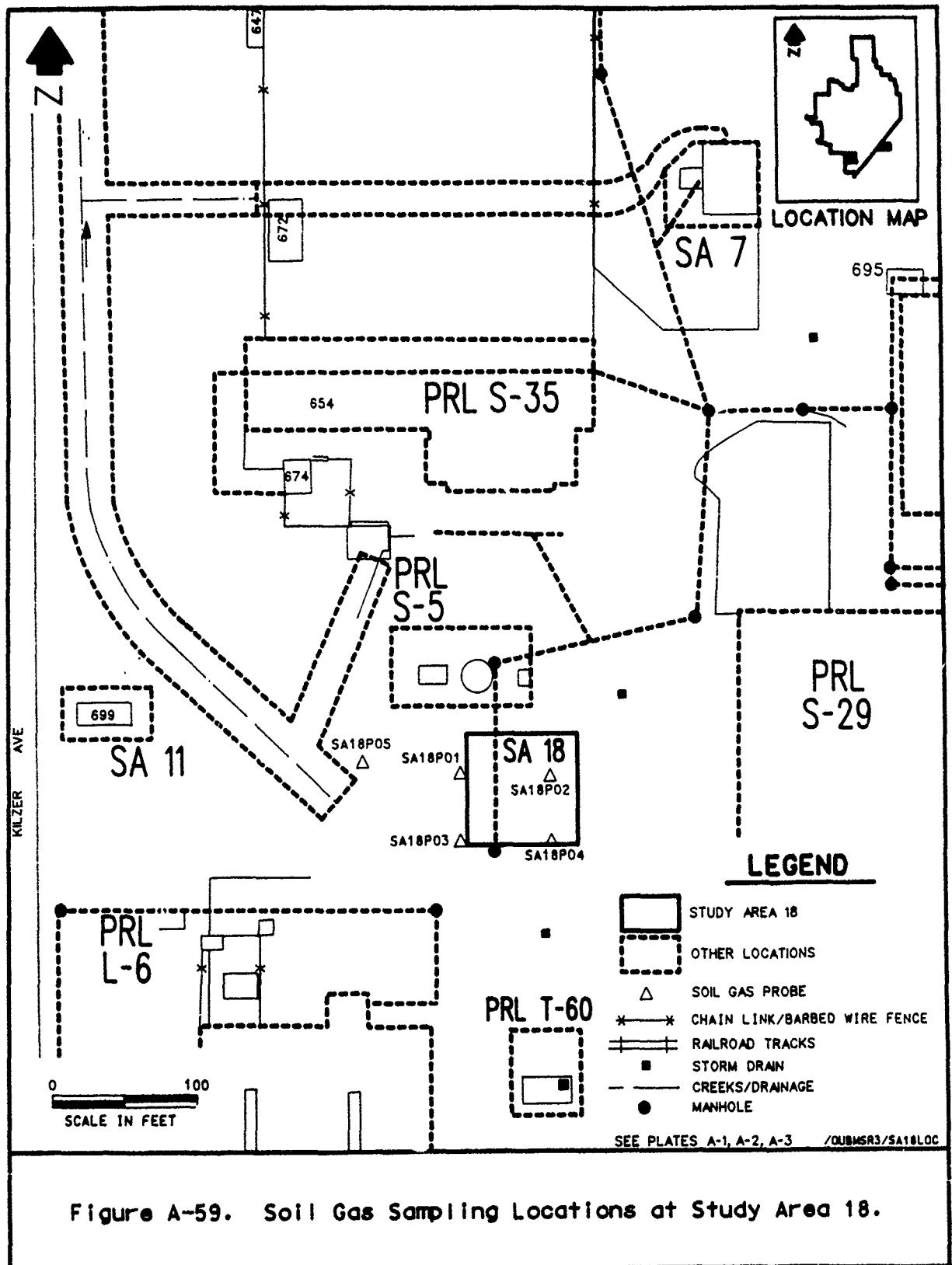
Figure A-54. Soil Gas Concentration Isopleth Map of Total Aromatic Volatile Organic Compounds at Study Area 14.

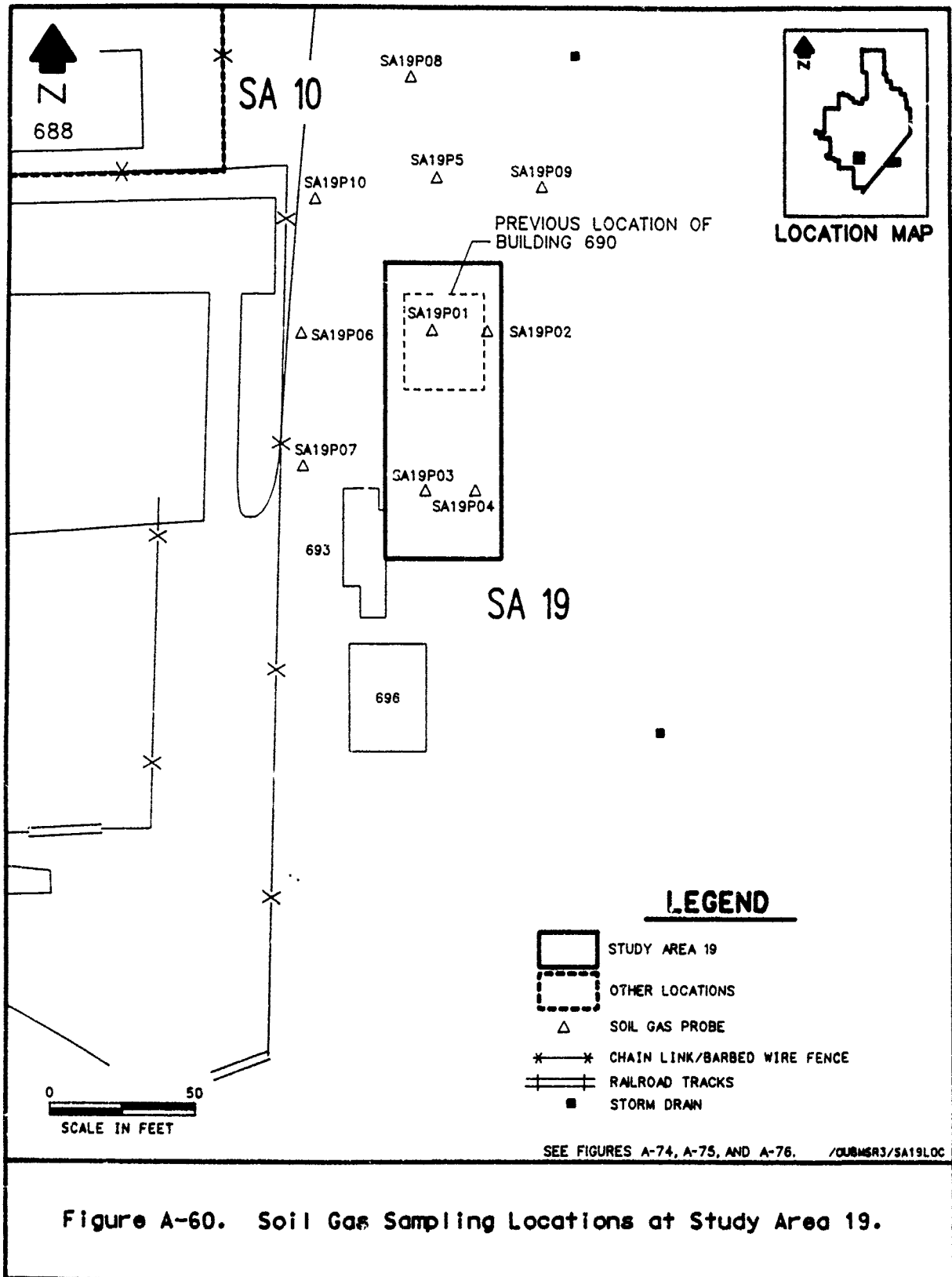


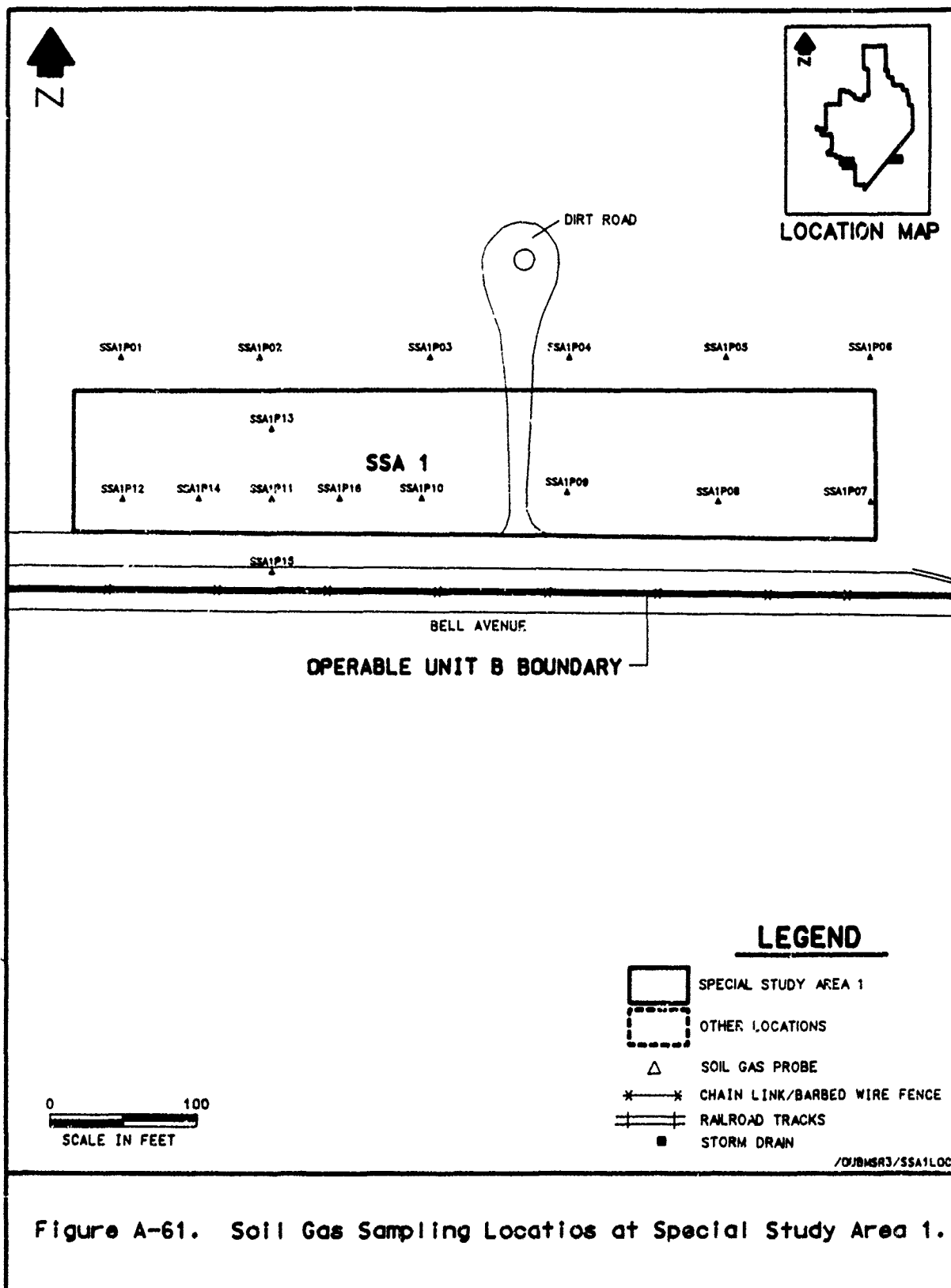


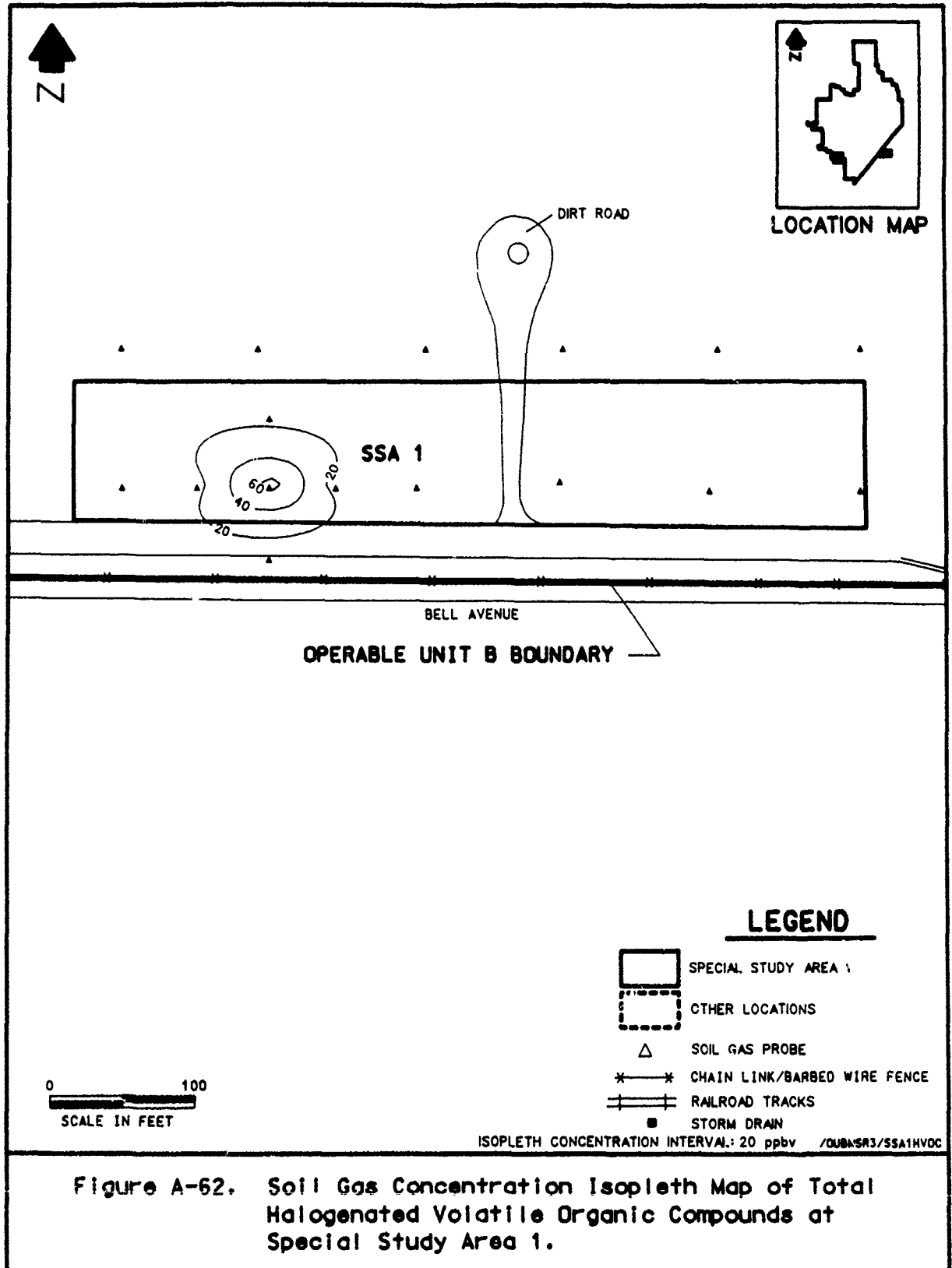












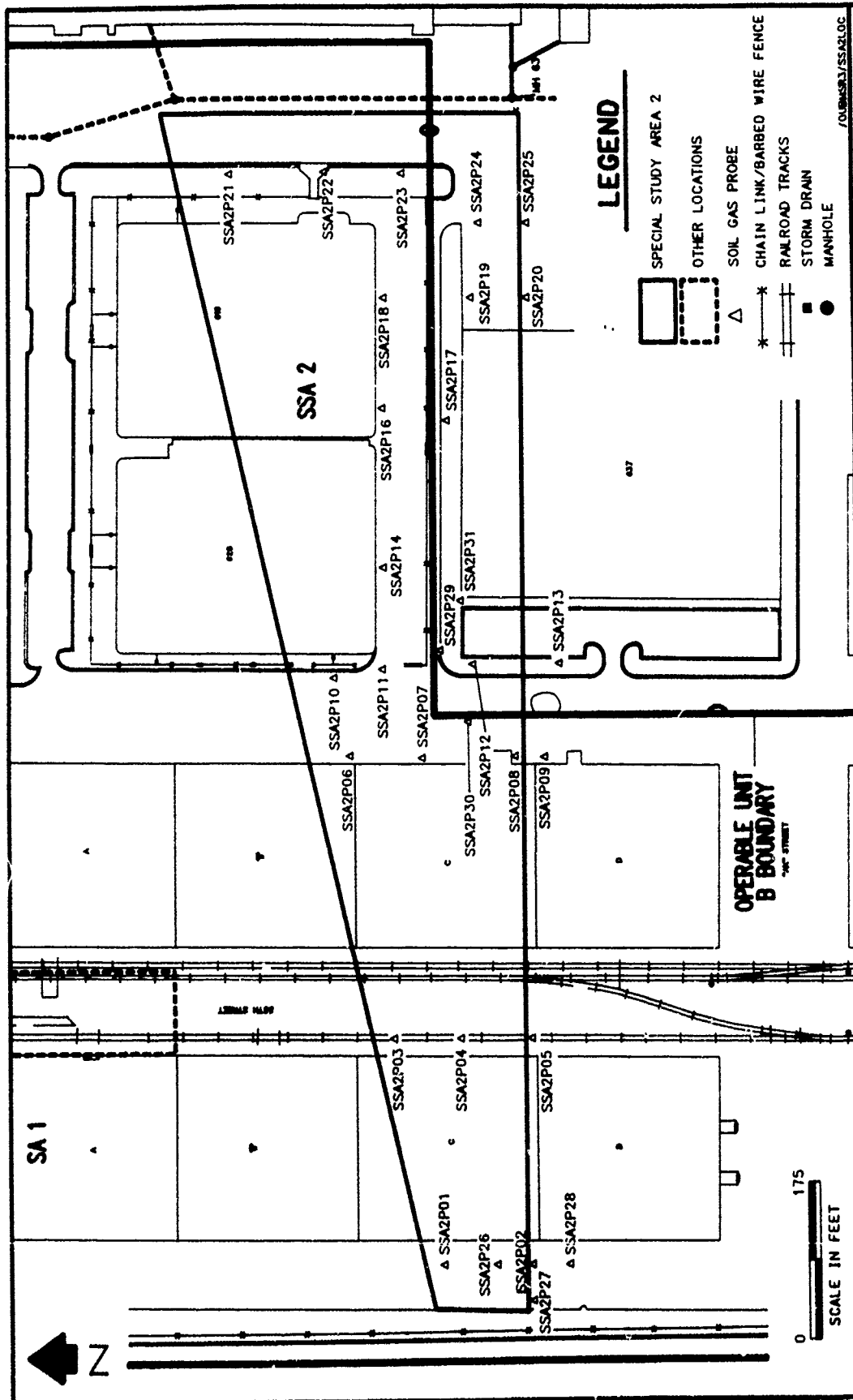


Figure A-63. Soil Gas Sampling Locations at Special Study Area 2.

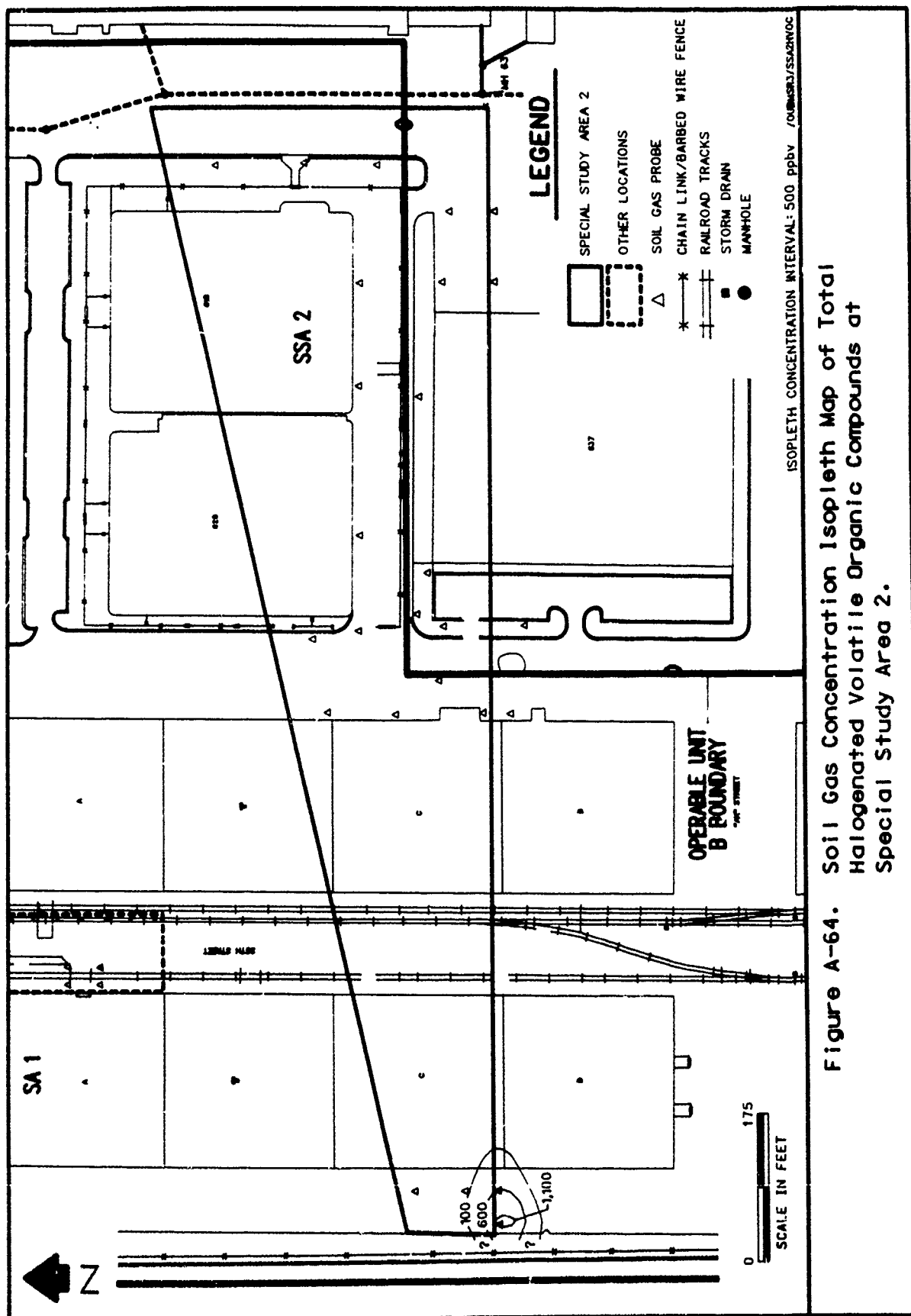
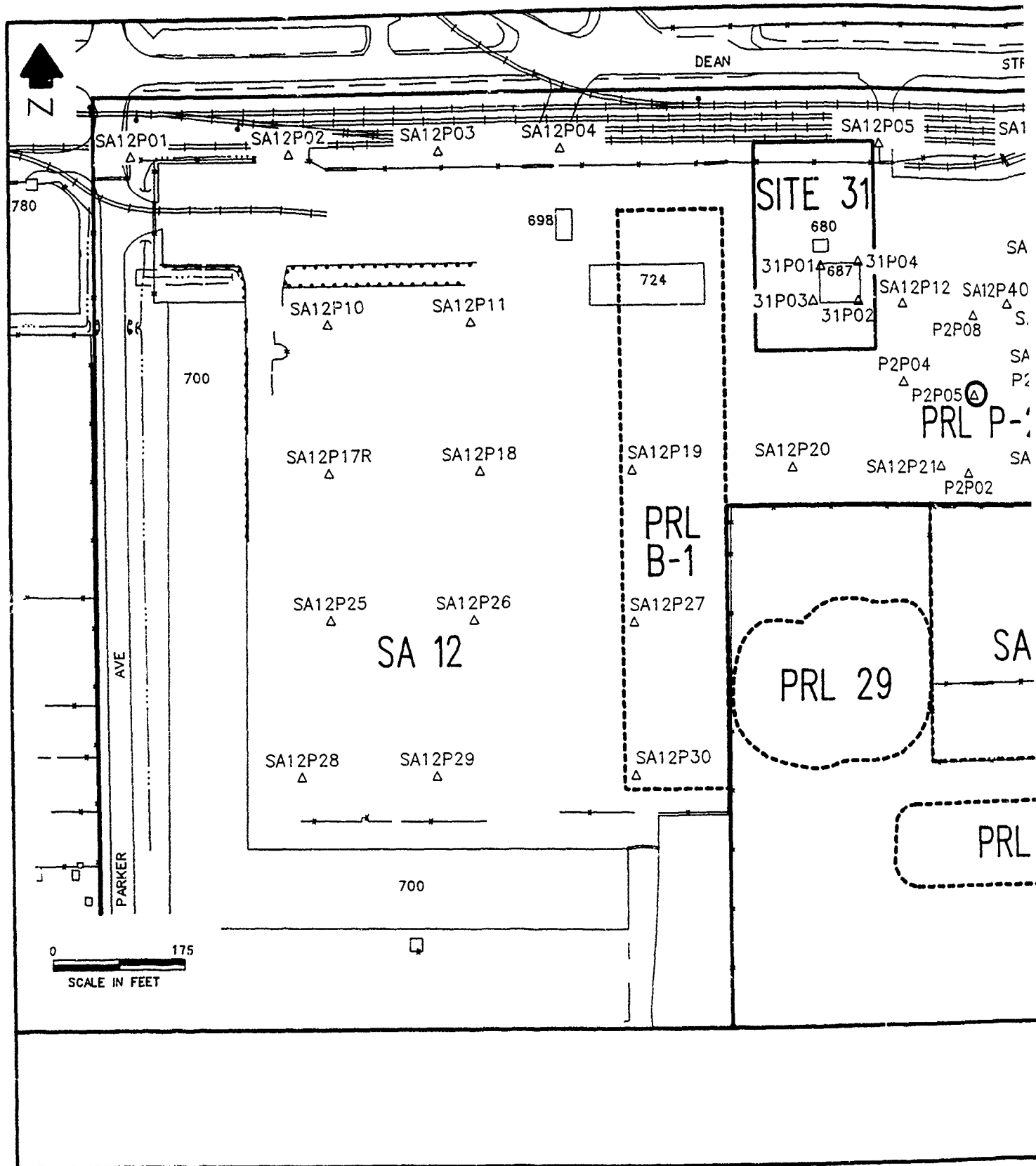


Figure A-64. Soil Gas Concentration Isopleth Map of Total Halogenated Volatile Organic Compounds at Special Study Area 2.



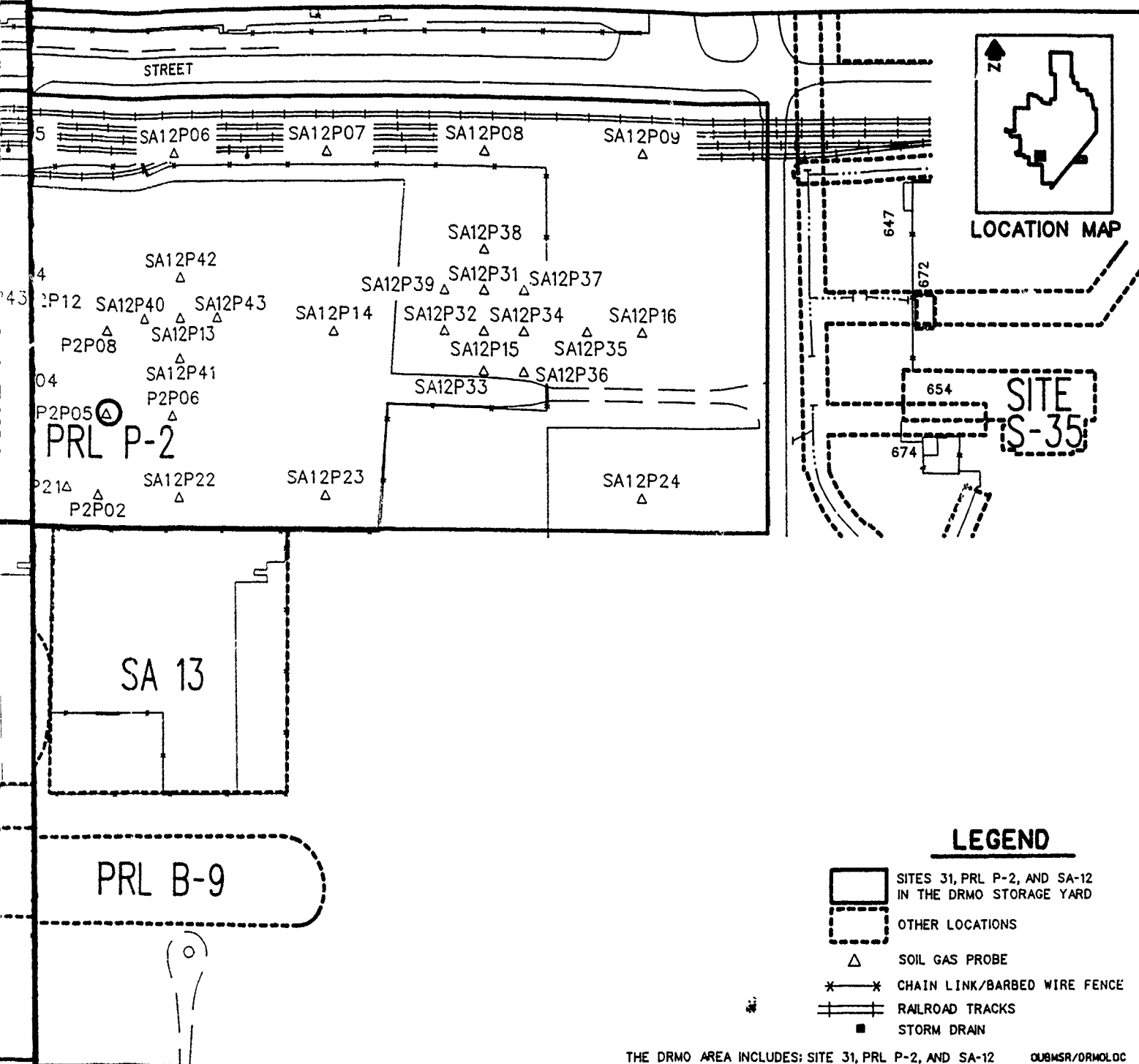
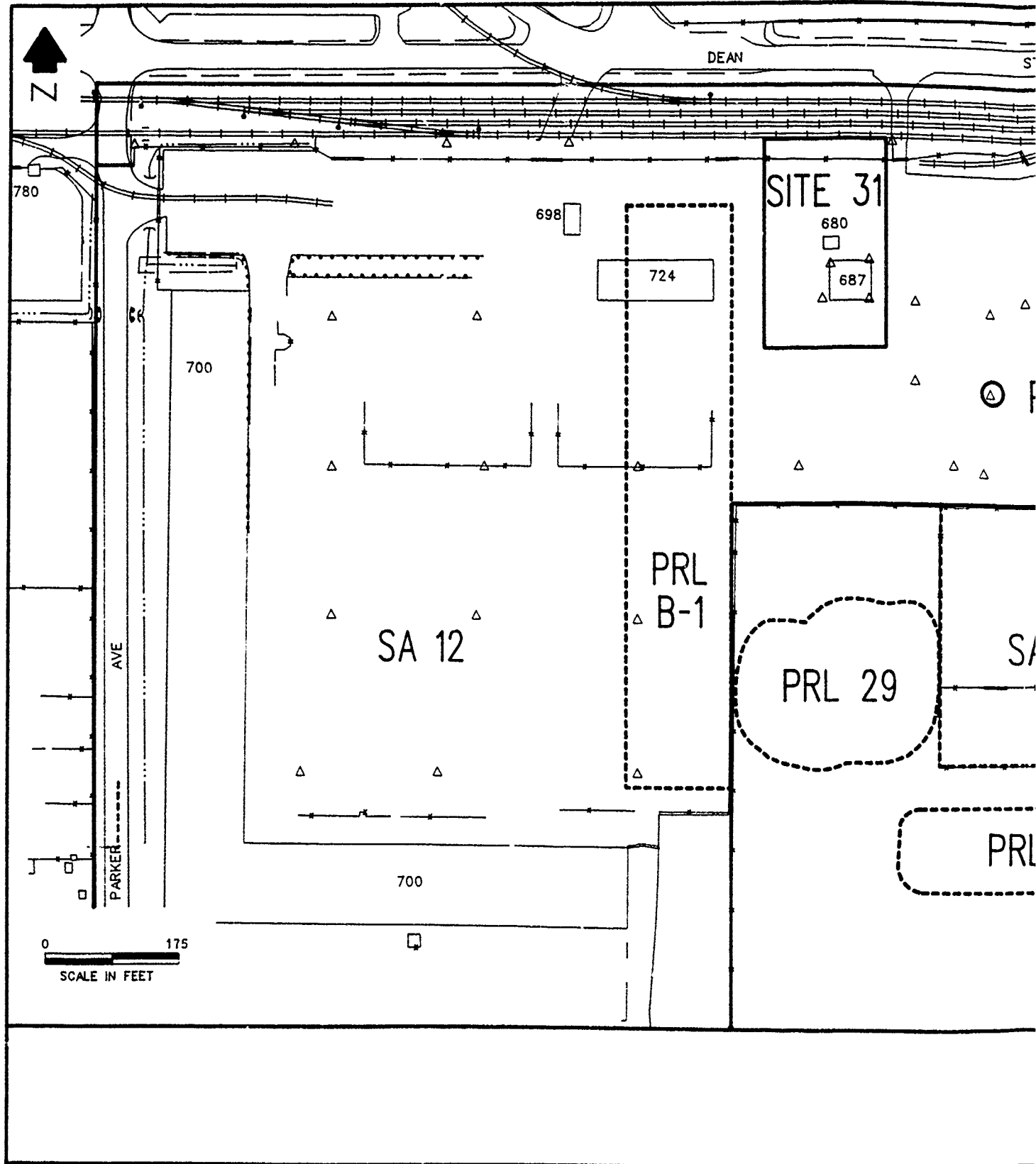


Figure A-65. Soil Gas Sampling Locations at the DRMO Storage Yard.



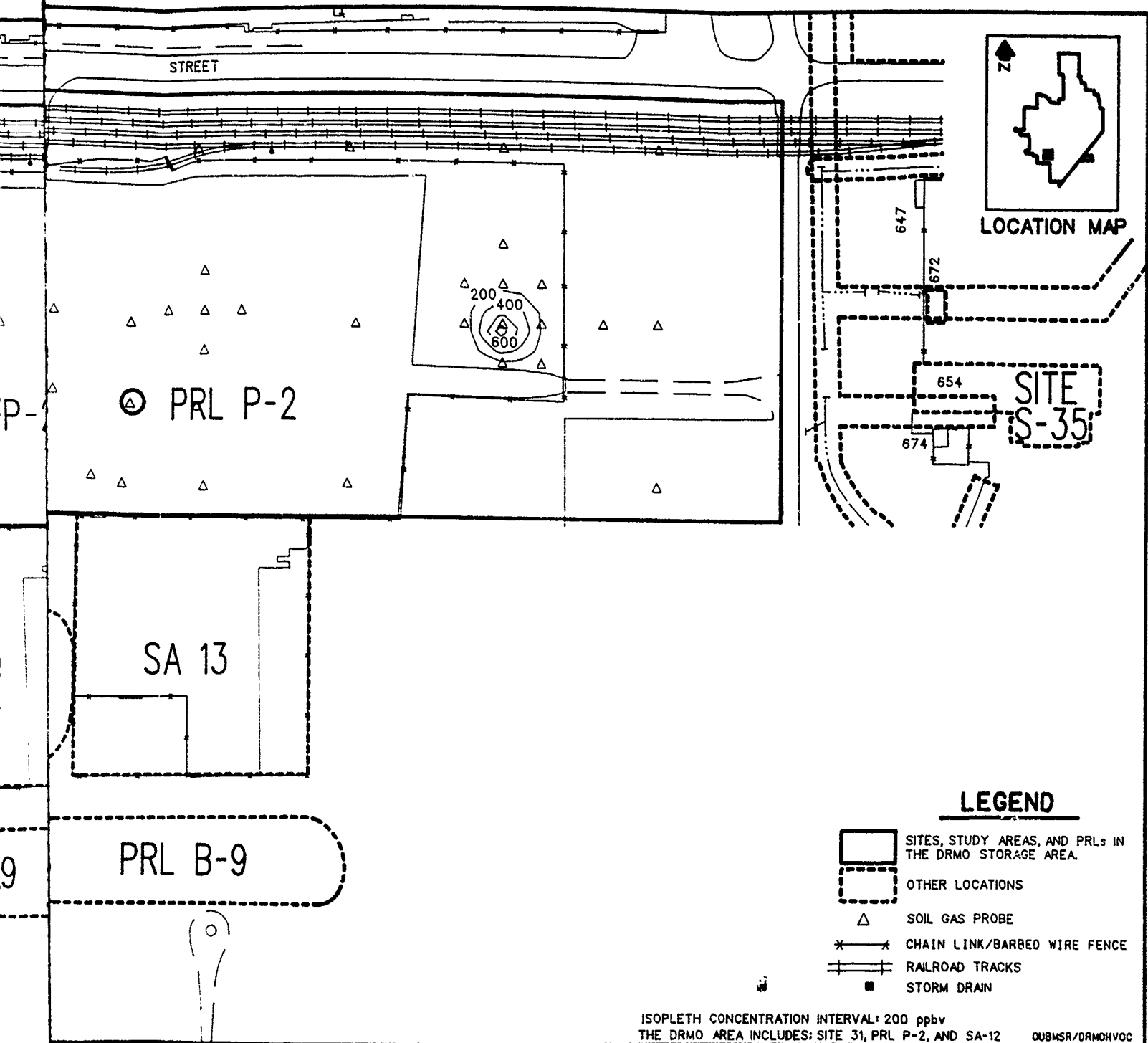


Figure A-66. Soil Gas Concentration Isopleth Map of Total Halogenated Volatile Organic Compounds at the DRMO Storage Yard.

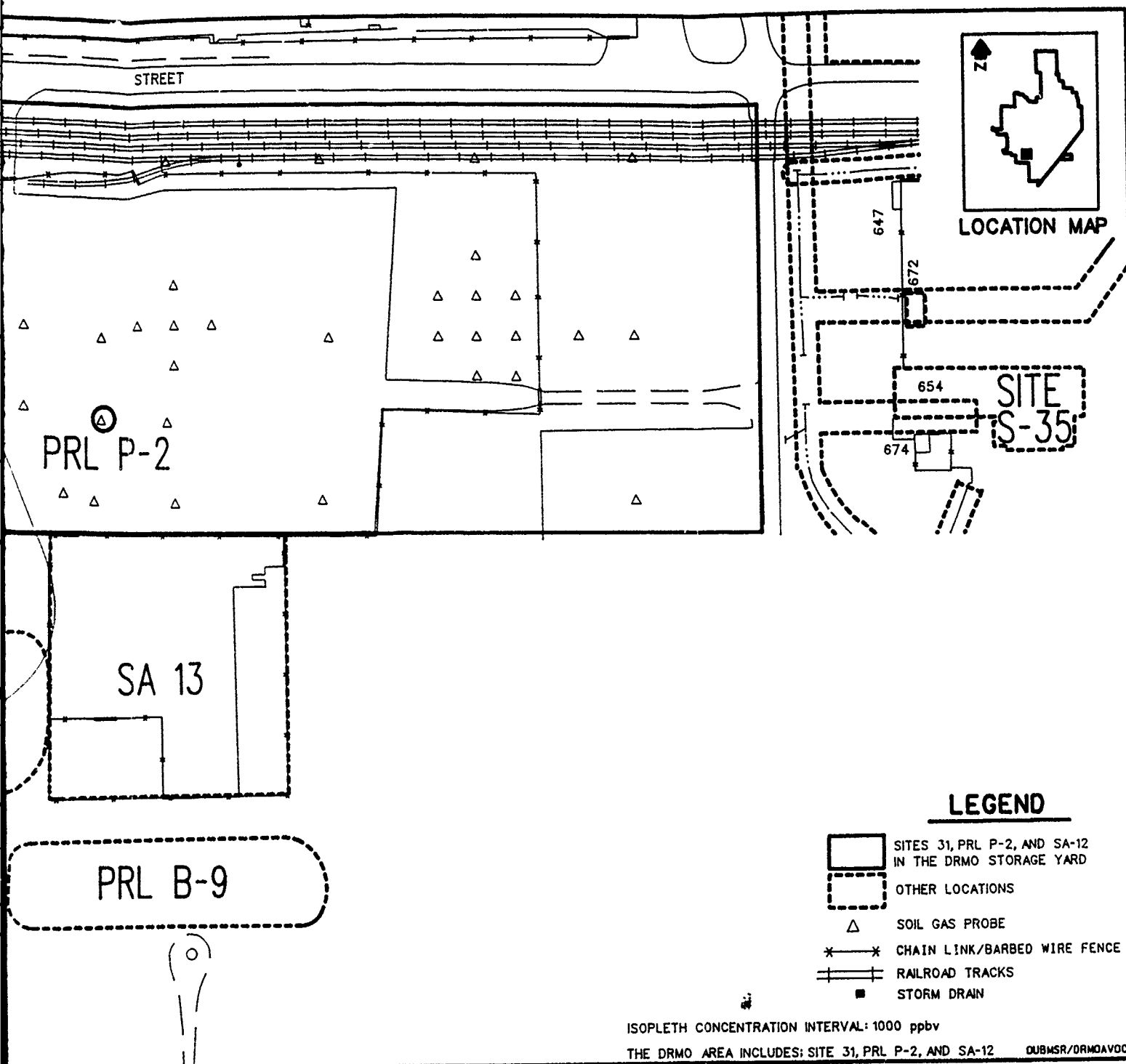
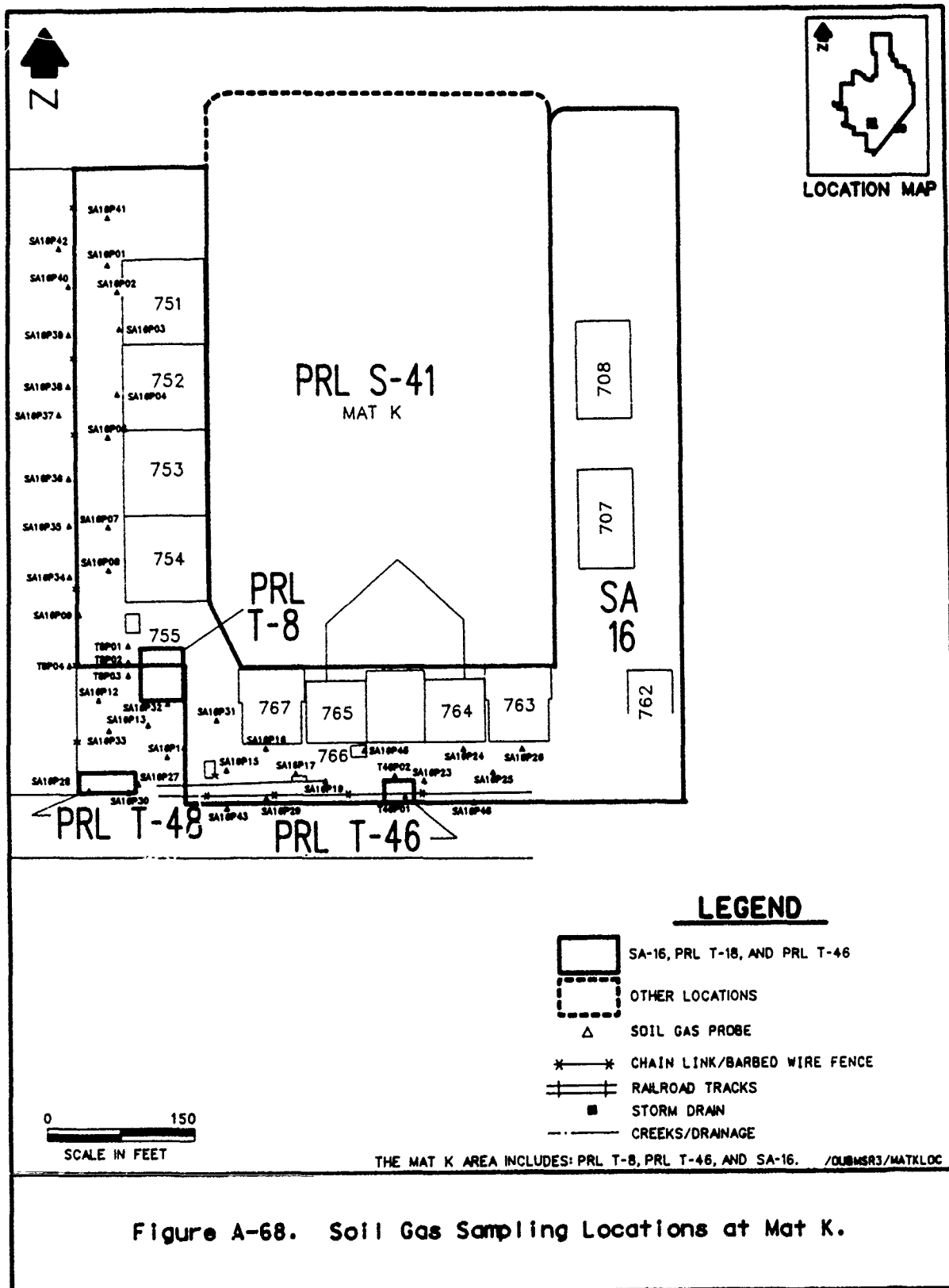
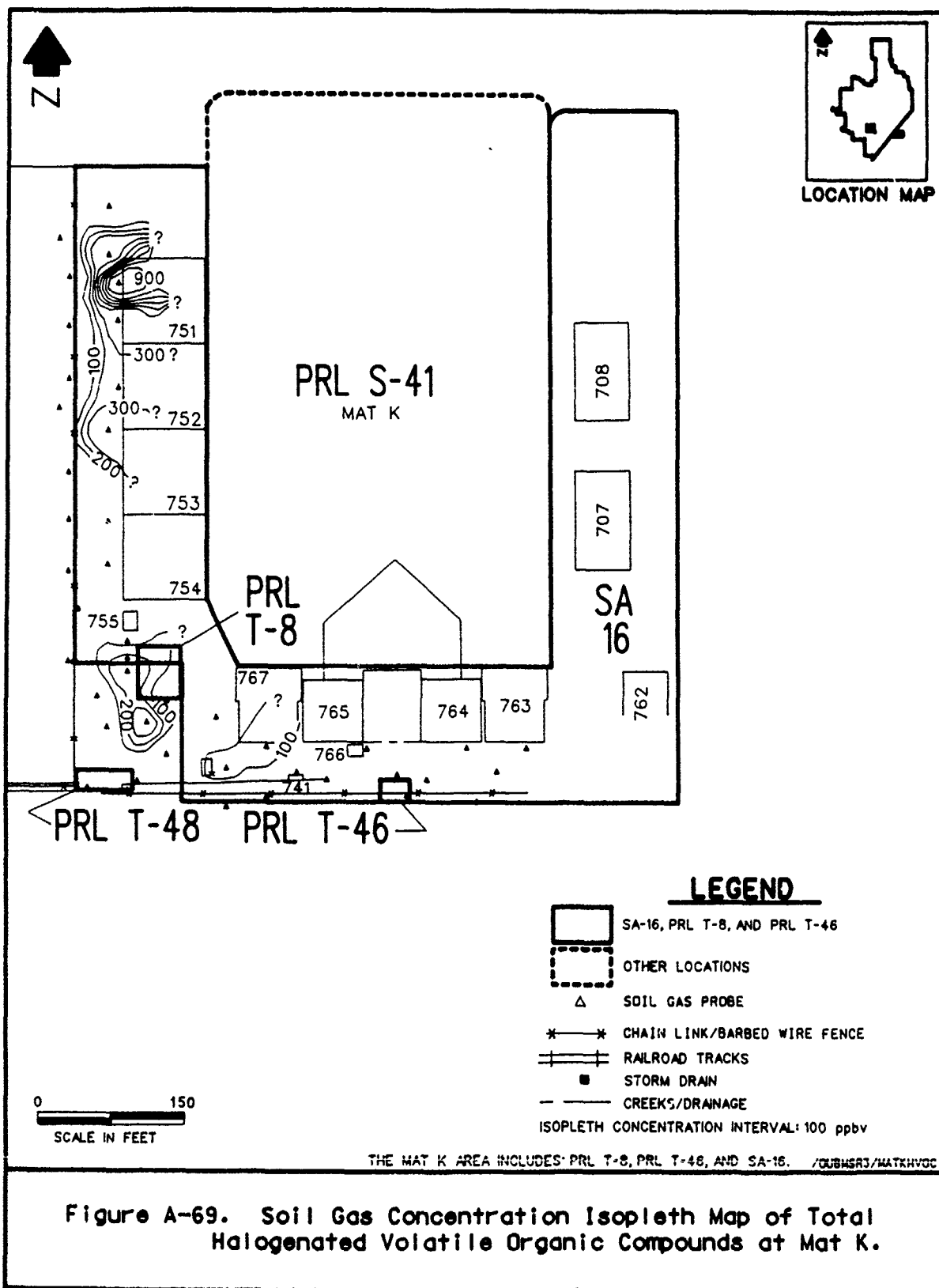
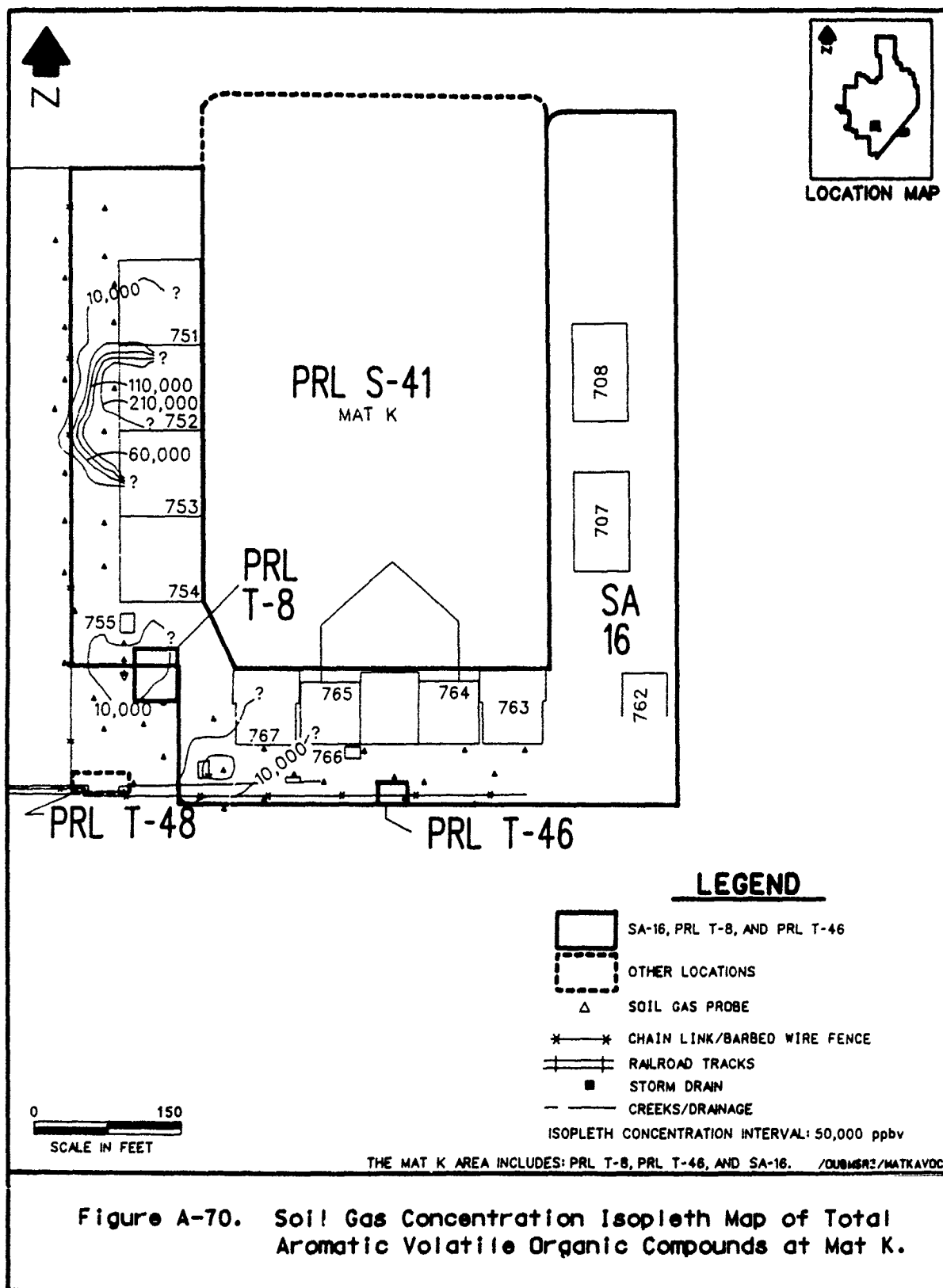
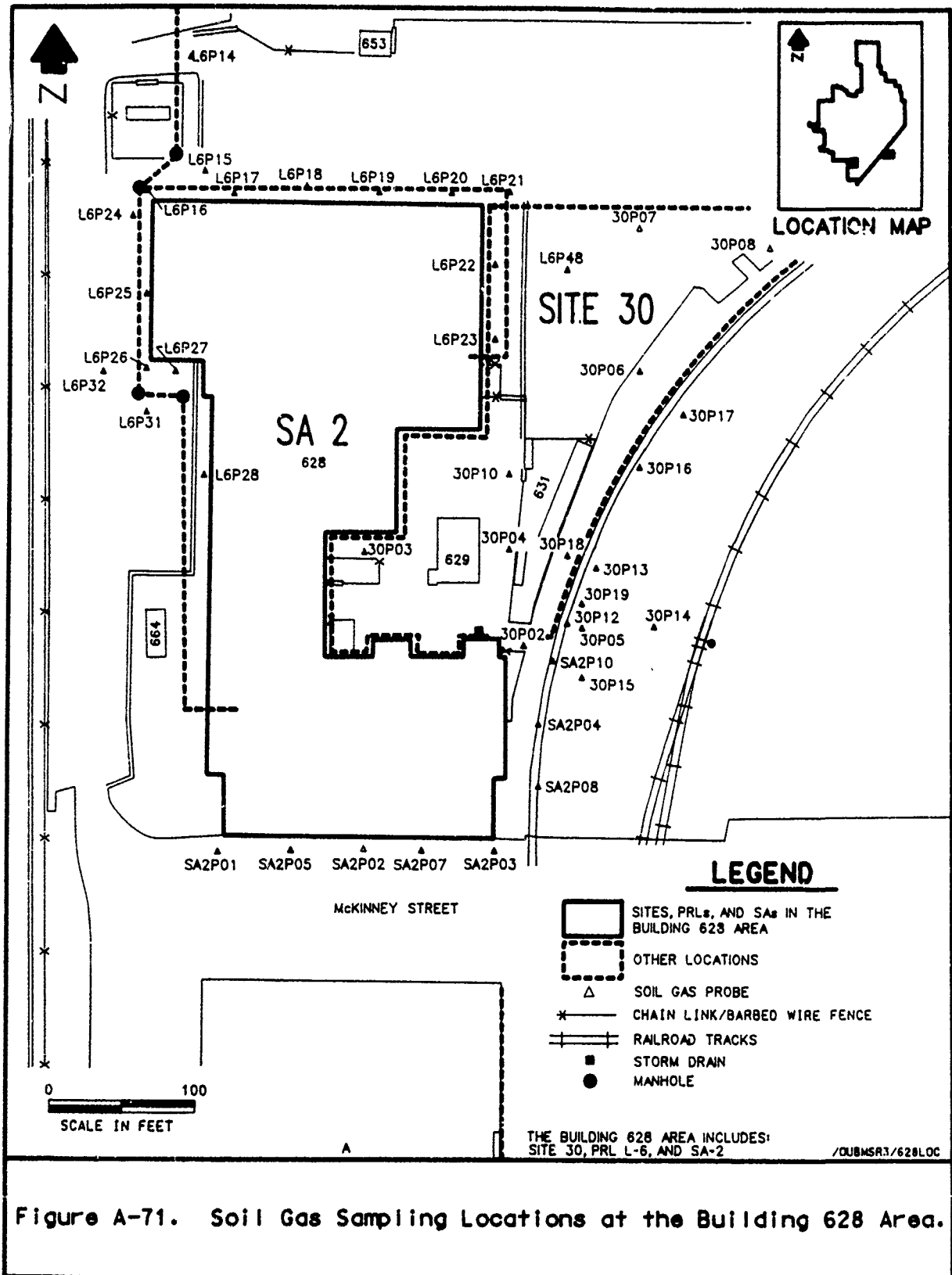


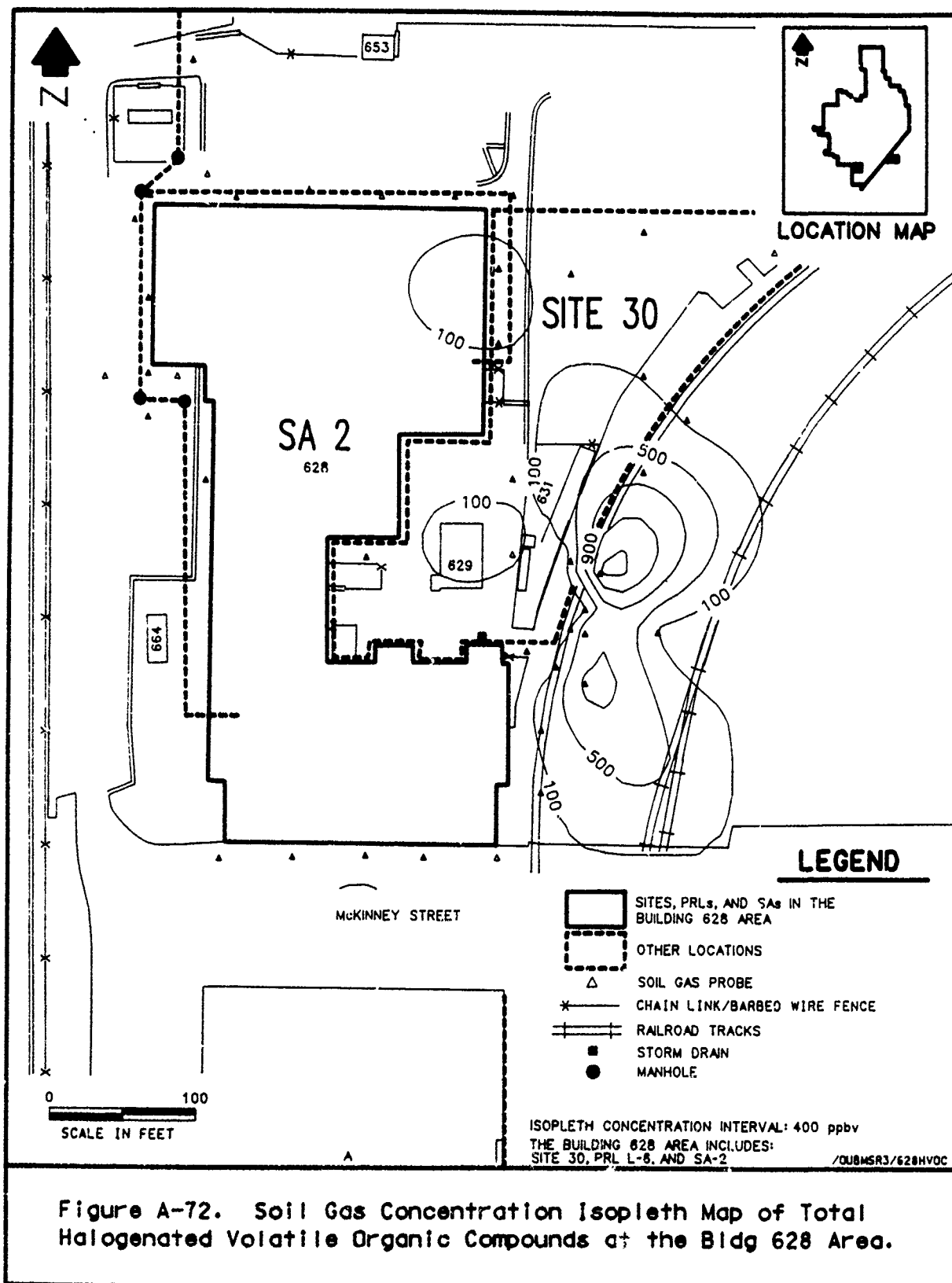
Figure A-67. Soil Gas Concentration isopleth Map of Total Aromatic Volatile Organic Compounds at the DRMO Storage Yard.

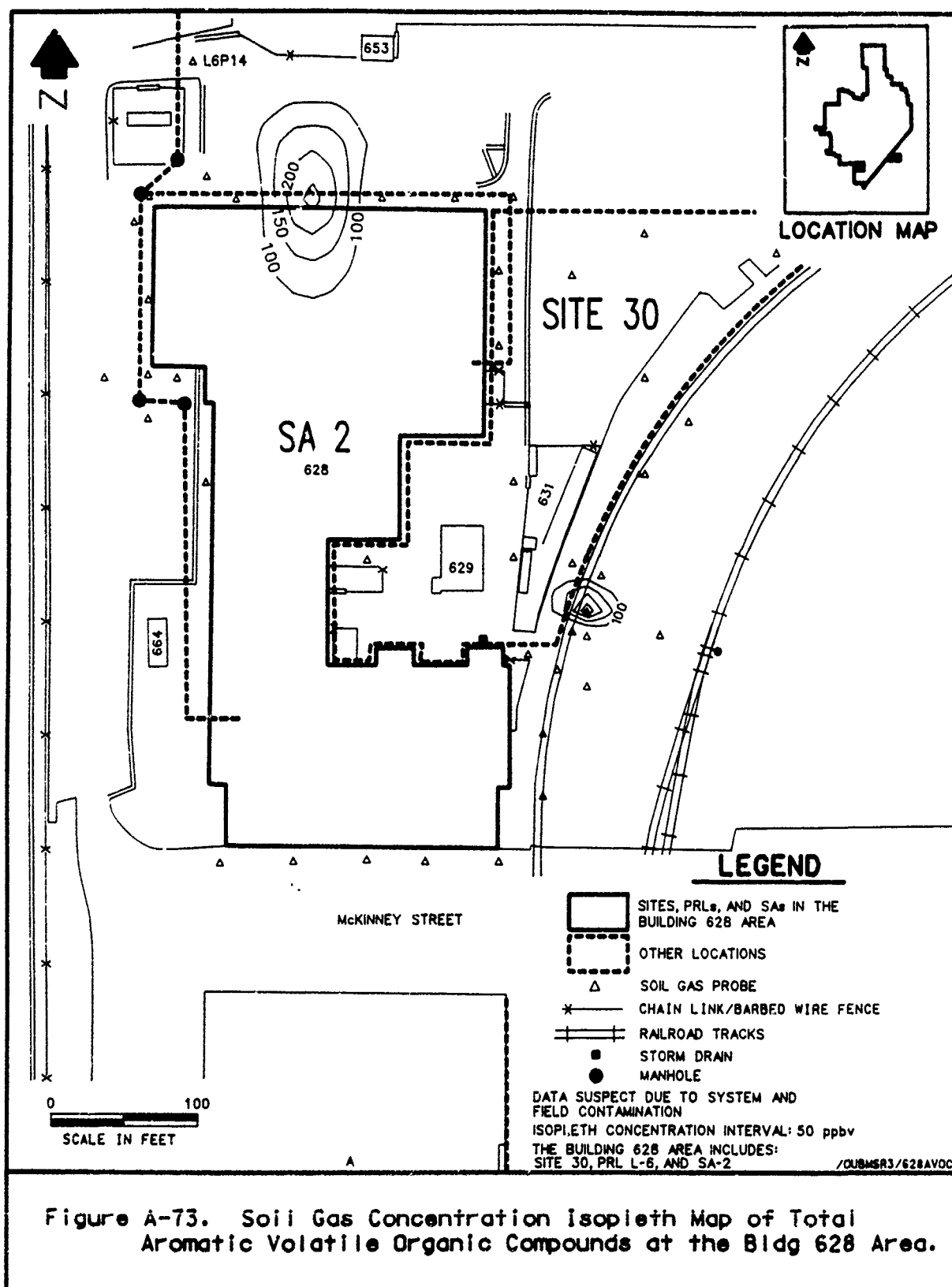


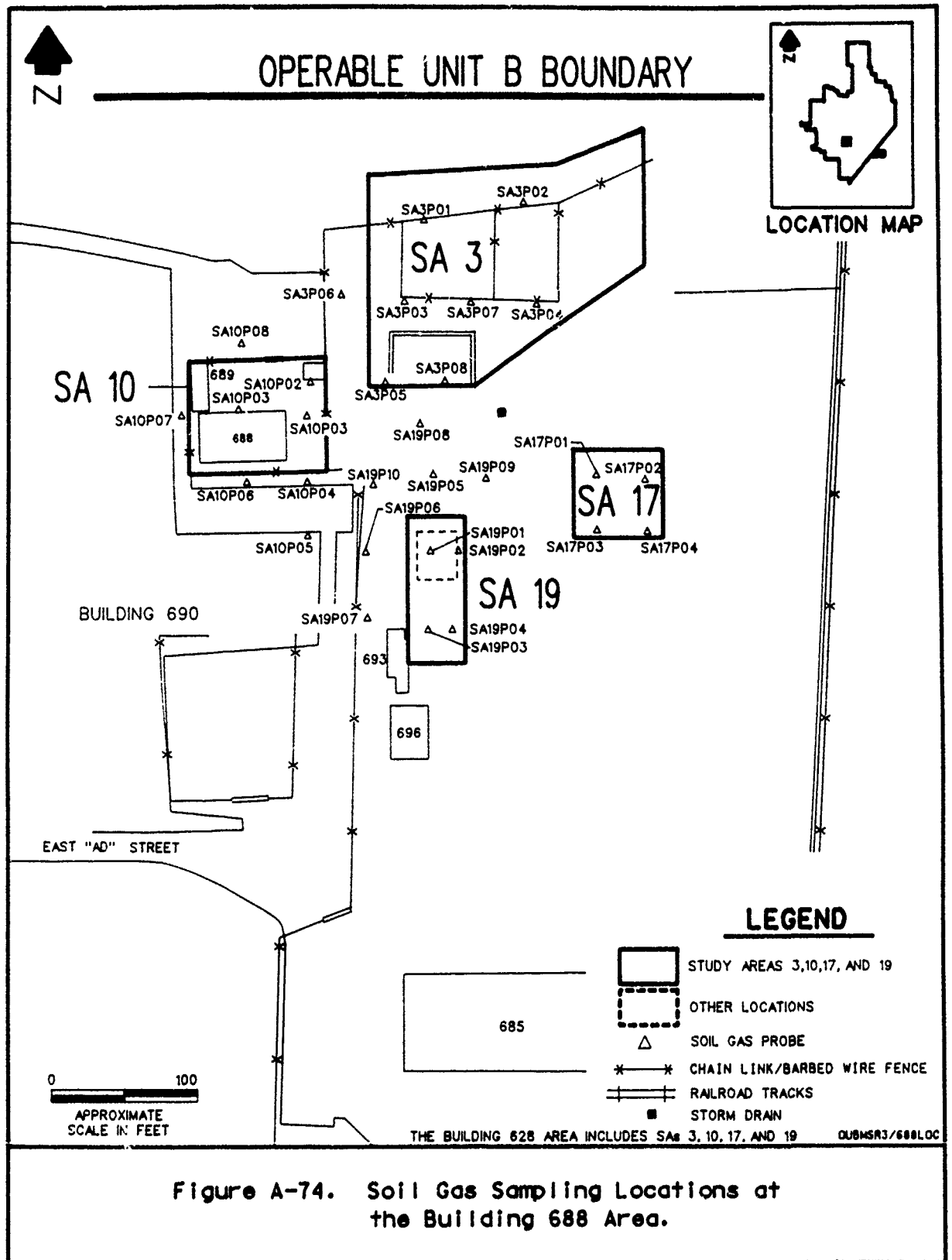


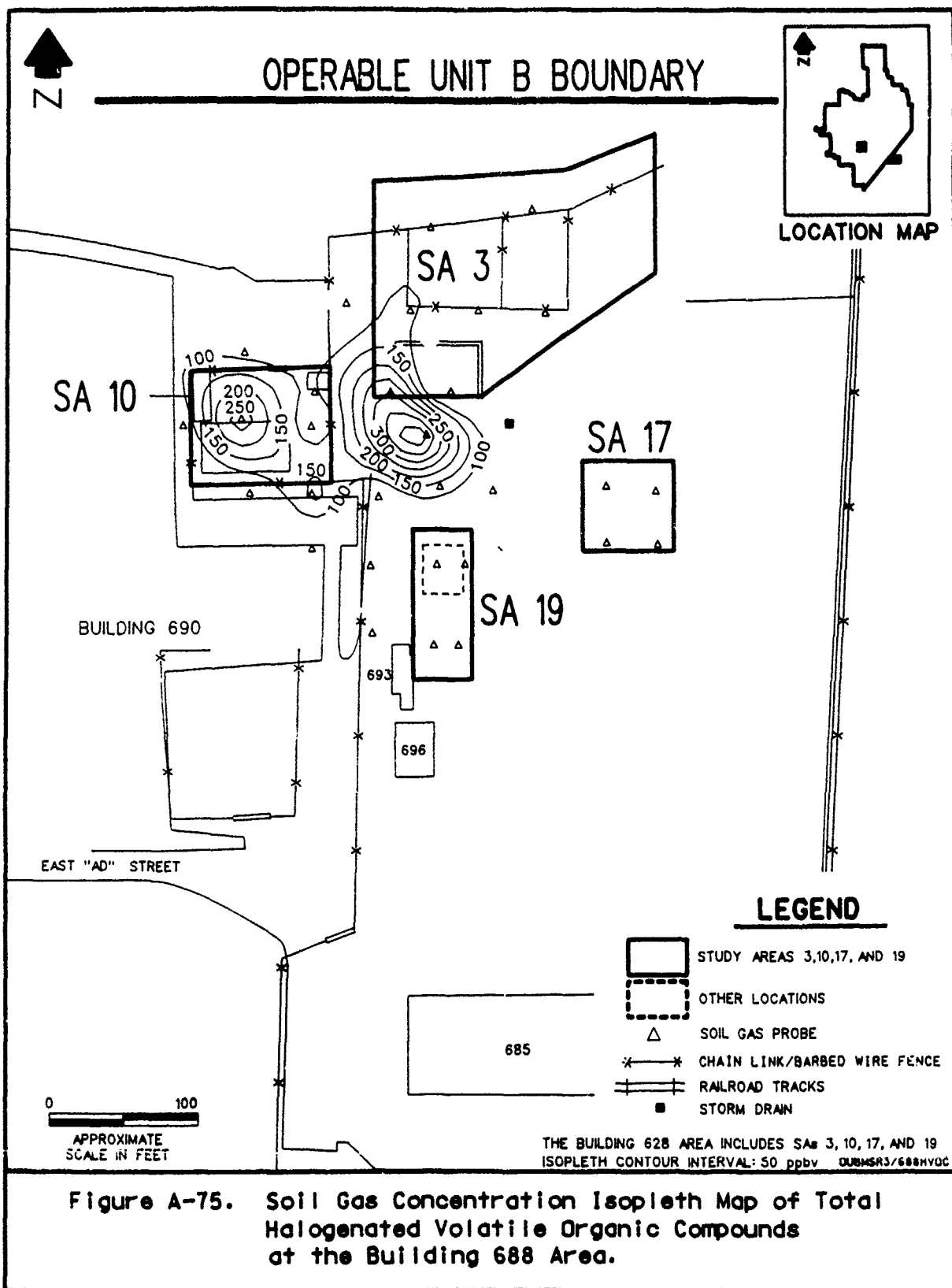












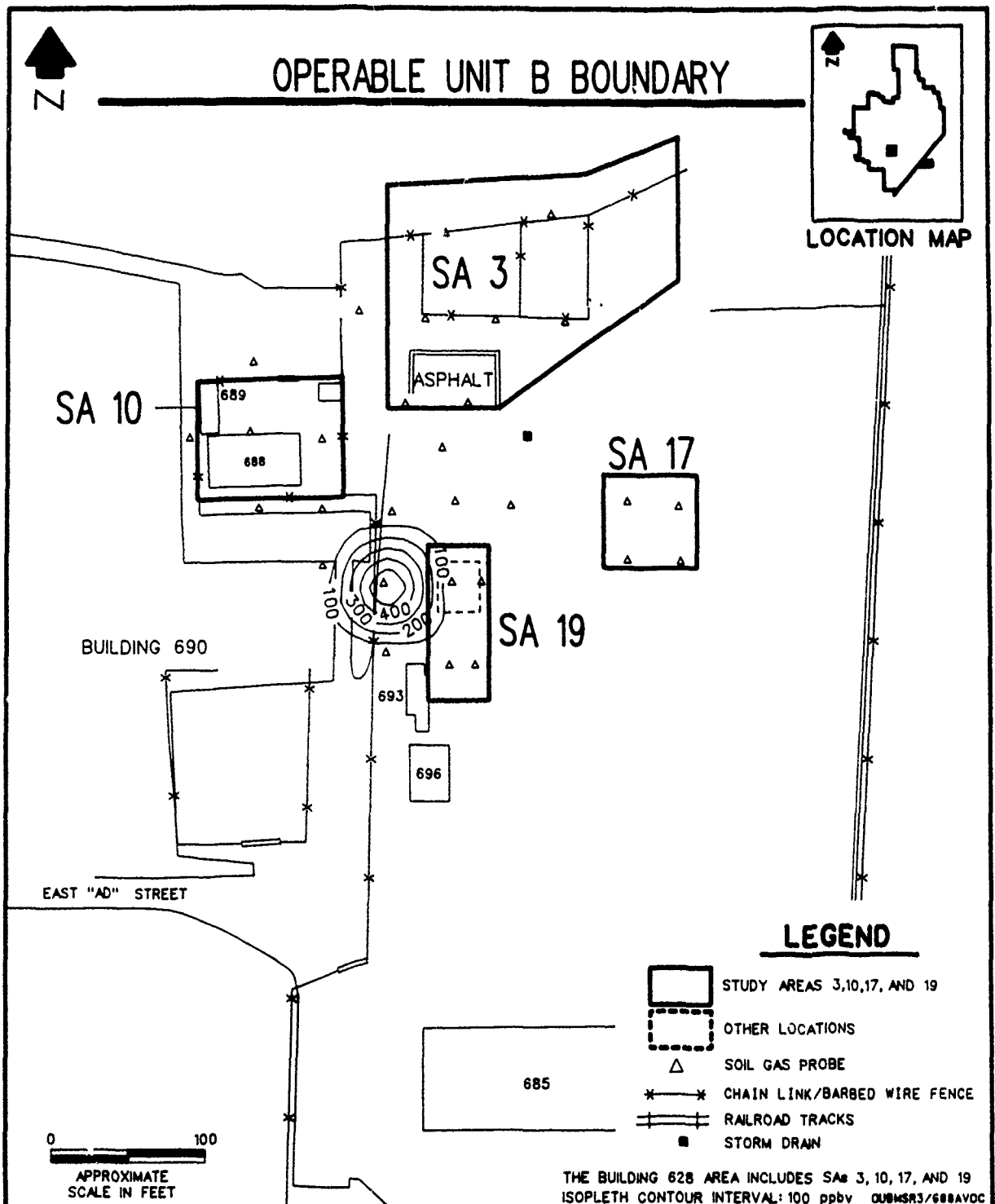


Figure A-76. Soil Gas Concentration Isopleth Map of Total Aromatic Volatile Organic Compounds at the Building 688 Area.

APPENDIX B

Analytical Results for Shallow Soil Gas Samples

RADIAN CORPORATION

TABLE B-1 ANALYTICAL RESULTS FOR SHALLOW SOIL GAS SAMPLES,
OPERABLE UNIT B SOIL GAS INVESTIGATION,
SEPTEMBER THROUGH DECEMBER 1990, MCCLELLAN AIR FORCE BASE

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P01	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	54.40	3.00
					Chloroform	5.60 CR	0.640
					1,1,1-Trichloroethane	5.60 CR	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.90	0.150
		LD	LD	1	Total 1,2-Dichloroethene	7.70 DL	3.00
					Chloroform	7.30	0.640
					1,1,1-Trichloroethane	7.30	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
					p-Xylene	699.00 BD,DL	224.0
23P02	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	168.00	3.00
					Chloroform	6.10 CR	0.640
					1,1,1-Trichloroethane	6.10 CR	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
		LD	LD	1	Total 1,2-Dichloroethene	61.10	3.00
					Chloroform	6.00 CR	0.640
					1,1,1-Trichloroethane	6.00 CR	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
					p-Xylene	3052.00	224.0
23P03	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	316.00	3.00
					Chloroform	4.70 CR	0.640
					1,1,1-Trichloroethane	4.70 CR	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
		LD	LD	1	Total 1,2-Dichloroethene	419.00	75.00
					Chloroform	11.20 CR,DL	16.000
					1,1,1-Trichloroethane	11.20 CR,DL	16.000
					Trichloroethene	1.80 DL	20.250
					Tetrachloroethene	0.80 DL	3.750
23P04	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	64.90	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P04	09/18/90	NS	NS	1	Chloroform	5.20 CR	0.640
					1,1,1-Trichloroethane	5.20 CR	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
23P05	09/19/90	NS	NS	1	Total 1,2-Dichloroethene	8.80 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
	09/19/90	FD	NS	1	Total 1,2-Dichloroethene	5.00 DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
			LD	1	Total 1,2-Dichloroethene	8.20 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	2.00	0.150
23P06	09/19/90	NS	NS	1	Total 1,2-Dichloroethene	9.40 DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
	09/19/90	FD	NS	1	Tetrachloroethene	0.80	0.150
					Total 1,2-Dichloroethene	13.90 DL	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	1.10	0.150
					Toluene	278.00 DL	127.0
					p-Xylene	570.00 DL	224.0
					o-Xylene	288.00 DL	242.0
23P07	09/19/90	NS	NS	1	Chloroform	1.90 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P07	09/19/90	NS	NS	1	1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
					p-Xylene	710.00 BC,DL	224.0
23P08	09/19/90	NS	NS	1	Total 1,2-Dichloroethene	35.90	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	2.30	0.150
					p-Xylene	1940.00 BC	224.0
23P09	09/19/90	NS	NS	1	o-Xylene	1060.00 BC,DL	242.0
					Total 1,2-Dichloroethene	15.10	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
23P10	09/19/90	NS	NS	1	p-Xylene	303.00 BC,DL	224.0
					Total 1,2-Dichloroethene	10.70 HB,DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
23P11	09/19/90	NS	NS	1	p-Xylene	6750.00 BC	224.0
					o-Xylene	1000.00 BC,DL	242.0
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
23P12	09/19/90	NS	NS	1	Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
					Total 1,2-Dichloroethene	11.30 DL	3.00
					Chloroform	3.20 CR	0.640
					1,1,1-Trichloroethane	3.20 CF	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P12	09/19/90	NS	NS	1	Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	1.50	0.150
					p-Xylene	8010.00 BC	224.0
					o-Xylene	2580.00 BC	242.0
23P13	09/19/90	NS	NS	1	Total 1,2-Dichloroethene	5.00 DL	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	2.40	0.150
					p-Xylene	926.00 DL	224.0
23P14	09/20/90	NS	NS	1	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
					p-Xylene	317.00 BC,DL	224.0
23P15	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	2.40 DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
					p-Xylene	2540.00 BC	224.0
23P16	09/20/90	NS	NS	1	o-Xylene	1220.00 BC	242.0
					Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	1.50	0.150
					p-Xylene	4670.00 BC	224.0
					o-Xylene	497.00 BC,DL	242.0
	09/20/90	FD	NS	1	Total 1,2-Dichloroethene	7.20 DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P16	09/20/90	FD	NS	1	Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.80	0.150
23P17	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	3.70 DL	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	2.30 DL	0.810
					Tetrachloroethene	10.60	0.150
23P18	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	7.30 DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	9.40	0.150
					p-Xylene	2840.00 BC	224.0
					o-Xylene	950.00 BC,DL	242.0
23P19	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	26.80	3.00
					Chloroform	5.40 CR	0.640
					1,1,1-Trichloroethane	5.40 CR	0.640
					Trichloroethene	96.50	0.810
					Tetrachloroethene	2.20	0.150
					p-Xylene	319.00 BC,DL	224.0
					o-Xylene	267.00 BC,DL	242.0
23P20	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	9.80 DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	68.00	0.810
					Tetrachloroethene	0.60 DL	0.150
					p-Xylene	1000.00 BC,DL	224.0
23P21	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	9.80 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P21	09/20/90	NS	NS	1	Tetrachloroethene	4.30	0.150
23P22	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
					p-Xylene	1920.00 BC	224.0
23P23	09/20/90	NS	NS	1	Total 1,2-Dichloroethene	7.30 DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	1.20	0.150
					p-Xylene	333.00 BC,DL	224.0
23P24	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	6.50 DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	6.00	0.810
					Tetrachloroethene	1.00	0.150
					p-Xylene	352.00 BC,DL	224.0
23P25	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	5.40 DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	2.30 DL	0.810
					Tetrachloroethene	2.70	0.150
					Toluene	698.00 DL	127.0
					p-Xylene	1150.00 BC	224.0
					o-Xylene	661.00 BC,DL	242.0
23P26	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	5.40 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P26	09/21/90	NS	NS	1	Tetrachloroethene	1.60	0.150
					Toluene	300.00 BC,DL	127.0
					p-Xylene	1240.00 BC	224.0
					o-Xylene	682.00 BC,DL	242.0
	09/21/90	FD	NS	1	Total 1,2-Dichloroethene	6.30 DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.30 DL	0.810
					Tetrachloroethene	1.90	0.150
					p-Xylene	882.00 DL	224.0
					o-Xylene	367.00 DL	242.0
23P27	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	6.00 DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	1.40	0.150
					p-Xylene	1280.00 BC	224.0
23P28	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	8.60 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
			LD	1	Total 1,2-Dichloroethene	12.10	NA
					Chloroform	1.40 CR	NA
					1,1,1-Trichloroethane	1.40 CR	NA
					Trichloroethene	0.90	NA
					Tetrachloroethene	1.90	NA
					p-Xylene	289.00 BC	NA
23P29	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	6.50 DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	1.60	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P30	09/21/90	NS	NS	1	Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	130.00 D	0.150
		LD	LD	1	Chloroform	2.30 CR,DL	16.000
					1,1,1-Trichloroethane	2.30 CR,DL	16.000
					Trichloroethene	3.20 DL	20.250
					Tetrachloroethene	209.00	3.750
23P31	09/24/90	NS	NS	1	Chloroform	78.30 CR	6.400
					1,1,1-Trichloroethane	78.30 CR	6.400
					Trichloroethene	73.40	8.100
					Tetrachloroethene	7410.00 D	1.500
23P32	09/24/90	NS	NS	1	Total 1,2-Dichloroethene	6.20 DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	11.60	0.150
					p-Xylene	134.00 BC,DL	224.0
23P33	11/26/90	NS	NS	2	Chloroform	1.30 BD,Q,DL,CR	0.640
					1,1,1-Trichloroethane	1.30 BD,Q,DL,CR	0.640
					Trichloroethene	4.20 BD	0.810
					Tetrachloroethene	68.40	0.150
23P34	11/26/90	NS	NS	2	Chloroform	0.50 DL,Q,CR	0.640
					1,1,1-Trichloroethane	0.50 DL,Q,CR	0.640
					Trichloroethene	1.60 DL,BD	0.810
					Tetrachloroethene	14.70	0.150
23P35	11/26/90	NS	NS	2	Chloroform	0.20 DL,Q,CR	0.640
					1,1,1-Trichloroethane	0.20 DL,Q,CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23P35	11/26/90	NS	NS	2	Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	3.20 BD	0.150
SITE 24							
24P01	09/11/90	NS	NS	1	Total 1,2-Dichloroethene	8.80 DL	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
			LD	1	Tetrachloroethene	0.10 DL	0.150
	09/11/90	FD	NS	1	Chloroform	0.40 DL	0.640
					1,1,1-Trichloroethane	0.40 DL	0.640
					Trichloroethene	0.20 DL	0.810
24P03	09/12/90	NS	NS	1	Total 1,2-Dichloroethene	57.00	3.00
					Chloroform	15.90 CR	0.640
					1,1,1-Trichloroethane	15.90 CR	0.640
					Trichloroethene	1049.80 D	0.810
					Tetrachloroethene	2.40	0.150
					p-Xylene	42800.00 BD	224.0
			LD	1	Total 1,2-Dichloroethene	125.00 DL	30.00
					Chloroform	13.30 CR,DL	6.400
					1,1,1-Trichloroethane	13.30 CR,DL	6.400
					Trichloroethene	418.00	8.100
					Tetrachloroethene	37.30	1.500
					p-Xylene	102000.0 BD	2240.0
			LD	1	Total 1,2-Dichloroethene	163.00	30.00
					Chloroform	18.00 CR,DL	6.400
					1,1,1-Trichloroethane	18.00 CR,DL	6.400
					Trichloroethene	425.00	8.100
					Tetrachloroethene	4.70 DL	1.500
					p-Xylene	178000.0 BD	2240.0
24P04	09/11/90	NS	NS	1	Total 1,2-Dichloroethene	13.20 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24P04	09/11/90	NS	NS	1	Chloroform	4.20 CR	0.640
					1,1,1-Trichloroethane	4.20 CR	0.640
					Trichloroethene	10.60	0.810
					Tetrachloroethene	1.90	0.150
	09/12/90	NS	LD	1	Total 1,2-Dichloroethene	9.90 HB,DL	3.00
					Chloroform	4.00 CR	0.640
					1,1,1-Trichloroethane	4.00 CR	0.640
					Trichloroethene	10.50	0.810
					Tetrachloroethene	1.40	0.150
24P06	09/12/90	NS	NS	1	Total 1,2-Dichloroethene	65.40 HB	3.00
					Chloroform	3.80 CR	0.640
					1,1,1-Trichloroethane	3.80 CR	0.640
					Trichloroethene	21.40	0.810
					Tetrachloroethene	9.50	0.150
					p-Xylene	800.00 BD,DL	224.0
	09/12/90	FD	NS	1	Total 1,2-Dichloroethene	23.80 HB	3.00
					Chloroform	5.90 CR	0.640
					1,1,1-Trichloroethane	5.90 CR	0.640
					Trichloroethene	91.10	0.810
					Tetrachloroethene	2.00	0.150
					p-Xylene	57500.00 BD	224.0
24P07	09/12/90	NS	NS	1	Total 1,2-Dichloroethene	23.60	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
24P08	09/12/90	NS	NS	1	Total 1,2-Dichloroethene	30.70 HB,DL	30.00
					Chloroform	74.60 CR	6.400
					1,1,1-Trichloroethane	74.60 CR	6.400
					Trichloroethene	850.00	8.100
					Tetrachloroethene	33.00	1.500
					p-Xylene	511000.0 BD	2240.0
24P09	09/12/90	NS	NS	1	Total 1,2-Dichloroethene	24.50	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24P09	09/12/90	NS	NS	1	Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	2.50 DL	0.810
					Tetrachloroethene	0.90	0.150
					p-Xylene	55900.00 BD	224.0
					Unknown-1	400.00	NA
			LD	1	Total 1,2-Dichloroethene	34.40	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	3.80 DL	0.810
					Tetrachloroethene	4.10	0.150
					Unknown-1	11000.00	NA
24P10	09/12/90	NS	NS	1	Total 1,2-Dichloroethene	14.30 DL	30.00
					Chloroform	23.30 CR,DL	6.400
					1,1,1-Trichloroethane	23.30 CR,DL	6.400
					Trichloroethene	5.20 DL	8.100
					Tetrachloroethene	3.90 DL	1.500
					p-Xylene	57500.00 BD	2240.0
24P11	09/13/90	NS	NS	1	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
24P12	09/13/90	NS	NS	1	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
	09/13/90	FD	NS	1	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	2.60 DL	0.640
					1,1,1-Trichloroethane	2.60 DL	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	1.90	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24P12	09/13/90	FD	NS	1	p-Xylene	1300.00	224.0
24P13	09/13/90	NS	NS	1	Total 1,2-Dichloroethene	8.00 DL	3.00
					Chloroform	11.60 CR	0.640
					1,1,1-Trichloroethane	11.60 CR	0.640
					Trichloroethene	24.40	0.810
					Tetrachloroethene	2.30	0.150
		LD	LD	1	Total 1,2-Dichloroethene	11.90 DL	3.00
					Chloroform	11.80 CR	0.640
					1,1,1-Trichloroethane	11.80 CR	0.640
					Trichloroethene	25.30	0.810
					Tetrachloroethene	2.00	0.150
24P14	09/13/90	NS	NS	1	Total 1,2-Dichloroethene	34.40	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	32.70	0.810
					Tetrachloroethene	1.60	0.150
					Unknown-1	2.70	NA
24P16	09/13/90	NS	NS	1	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	15.80	0.810
					Tetrachloroethene	3.80	0.150
					Unknown-1	12.40	NA
24P17	09/13/90	NS	NS	1	Total 1,2-Dichloroethene	2.60 DL	3.00
					Chloroform	6.20 CR	0.640
					1,1,1-Trichloroethane	6.20 CR	0.640
					Trichloroethene	10.40	0.810
					Tetrachloroethene	7.50	0.150
24P18	09/14/90	NS	NS	1	Total 1,2-Dichloroethene	17.10	3.00
					Chloroform	19.50 CR	0.640

(Continued)

TABLE B-1 (Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24P21	09/14/90	NS	LD	1	1,1,1-Trichloroethane	25.80 CR,DL	6.400
					Trichloroethene	2070.00	8.100
					Tetrachloroethene	9.20	1.500
					Unknown-2	2460.00	NA
24P22	09/14/90	NS	NS	1	Total 1,2-Dichloroethene	16.00 CP	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	12.40	0.810
					Tetrachloroethene	3.20	0.150
					Unknown-1	3.10	NA
			LD	1	Total 1,2-Dichloroethene	39.40 DL	75.00
					Chloroform	14.10 CR,DL	16.000
					1,1,1-Trichloroethane	14.10 CR,DL	16.000
					Trichloroethene	4.70 DL	20.250
					Tetrachloroethene	2.70 DL	3.750
24P23	09/14/90	NS	NS	1	Total 1,2-Dichloroethene	54.60	3.00
					Chloroform	3.70 CR	0.640
					1,1,1-Trichloroethane	3.70 CR	0.640
					Trichloroethene	14.70	0.810
					Tetrachloroethene	0.60 DL	0.150
24P24	09/17/90	NS	NS	1	Total 1,2-Dichloroethene	36.00	3.00
					Chloroform	111.00 CR	0.640
					1,1,1-Trichloroethane	111.00 CR	0.640
					Trichloroethene	113.00	0.810
					Tetrachloroethene	12.60	0.150
					Unknown-1	724.00	NA
					Unknown-2	775.00	NA
			LD	1	Total 1,2-Dichloroethene	17.70	3.00
					Chloroform	108.00 CR	0.640
					1,1,1-Trichloroethane	108.00 CR	0.640
					Trichloroethene	108.00	0.810
					Tetrachloroethene	12.60	0.150
					Unknown-1	652.00	NA

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24P24	09/17/90	NS	LD	1	Unknown-2	632.00	NA
	09/17/90	FD	NS	1	Total 1,2-Dichloroethene	19.60	3.00
					Chloroform	107.00 CR	0.640
					1,1,1-Trichloroethane	107.00 CR	0.640
					Trichloroethene	111.00	0.810
					Tetrachloroethene	13.00	0.150
					Unknown-1	770.00	NA
					Unknown-2	630.00	NA
			LD	1	Total 1,2-Dichloroethene	10.10 DL	3.00
					Chloroform	105.00 CR	0.640
					1,1,1-Trichloroethane	105.00 CR	0.640
					Trichloroethene	110.00	0.810
					Tetrachloroethene	12.50	0.150
					Unknown-1	673.00	NA
					Unknown-2	623.00	NA
24P25	09/17/90	NS	NS	1	Total 1,2-Dichloroethene	10.20 DL	3.00
					Chloroform	89.60 CR	0.640
					1,1,1-Trichloroethane	89.60 CR	0.640
					Trichloroethene	34.60	0.810
					Tetrachloroethene	5.40	0.150
					Unknown-1	1100.00	NA
					Unknown-2	570.00	NA
			LD	1	Total 1,2-Dichloroethene	10.40 DL	3.00
					Chloroform	90.40 CR	0.640
					1,1,1-Trichloroethane	90.40 CR	0.640
					Trichloroethene	34.40	0.810
					Tetrachloroethene	5.10	0.150
					Unknown-1	1120.00	NA
					Unknown-2	359.00	NA
	09/17/90	FD	NS	1	Total 1,2-Dichloroethene	14.60 DL	3.00
					Chloroform	96.40 CR	0.640
					1,1,1-Trichloroethane	96.40 CR	0.640
					Trichloroethene	39.50	0.810
					Tetrachloroethene	4.60	0.150
					Unknown-1	532.00	NA

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24P25	09/17/90	FD	NS	1	Unknown-2	384.00	NA
			LD	1	Total 1,2-Dichloroethene	16.70	3.00
					Chloroform	95.80 CR	0.640
					1,1,1-Trichloroethane	95.80 CR	0.640
					Trichloroethene	39.30	0.810
					Tetrachloroethene	5.90	0.150
					Unknown-1	506.00	NA
					Unknown-2	377.00	NA
24P26	09/17/90	NS	NS	1	Total 1,2-Dichloroethene	37.10 HB	3.00
					Chloroform	5.10 CR	0.640
					1,1,1-Trichloroethane	5.10 CR	0.640
					Trichloroethene	7.40	0.810
					Tetrachloroethene	11.20	0.150
24P27	09/17/90	NS	NS	1	Total 1,2-Dichloroethene	63.10 HB	3.00
					Chloroform	26.80 CR	0.640
					1,1,1-Trichloroethane	26.80 CR	0.640
					Trichloroethene	415.00 D	0.810
					Tetrachloroethene	0.80	0.150
					Unknown-1	45.30	NA
24P28	09/17/90	NS	NS	1	Total 1,2-Dichloroethene	52.90	3.00
					Chloroform	17.20 CR	0.640
					1,1,1-Trichloroethane	17.20 CR	0.640
					Trichloroethene	13.80	0.810
					Tetrachloroethene	8.50	0.150
					p-Xylene	3900.00 BC	224.0
24P29	09/17/90	NS	NS	1	Total 1,2-Dichloroethene	63.50	3.00
					Chloroform	9.00 CR	0.640
					1,1,1-Trichloroethane	9.00 CR	0.640
					Trichloroethene	11.40	0.810
					Tetrachloroethene	2.80	0.150
					p-Xylene	3960.00 BC	224.0
24P30	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	21.50 DL	3.00

(Continued)

TABLE B-1 (Continued)

=====							
Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit

SITE 24							
24P30	09/18/90	NS	NS	1	Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	31.30	0.810
					Tetrachloroethene	2.60	0.150
24P31	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	59.20	3.00
					Chloroform	3.30 CR	0.640
					1,1,1-Trichloroethane	3.30 CR	0.640
					Trichloroethene	2.50 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
24P32	09/18/90	NS	NS	1	Total 1,2-Dichloroethene	114.00	3.00
					Chloroform	3.30 CR	0.640
					1,1,1-Trichloroethane	3.30 CR	0.640
					Trichloroethene	8.90	0.810
					Tetrachloroethene	2.60	0.150
	09/18/90	FD	NS	1	Total 1,2-Dichloroethene	122.00	3.00
					Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	7.70	0.810
					Tetrachloroethene	0.80	0.150
SITE 30							
30P02	10/31/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	6.10	0.810
					Tetrachloroethene	2.00	0.150
			LD	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	6.00	0.810
					Tetrachloroethene	1.70	0.150
30P03	10/30/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 30							
30P03	10/30/90	NS	NS	2	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	4.40	0.810
					Tetrachloroethene	0.90	0.150
30P04	10/31/90	NS	NS	2	Total 1,2-Dichloroethene	12.00 DL	7.50
					Chloroform	2.20 CR,DL	1.600
					1,1,1-Trichloroethane	2.20 CR,DL	1.600
					Trichloroethene	191.00	2.025
30P05	10/30/90	NS	NS	1	Tetrachloroethene	1.00 DL	0.375
					Chloroform	10.60 HB,CR,DL	6.400
					1,1,1-Trichloroethane	10.60 HB,CR,DL	6.400
					Trichloroethene	585.00	8.100
30P06	10/29/90	NS	NS	1	Tetrachloroethene	1.20 DL	1.500
					Total 1,2-Dichloroethene	87.40 Q	3.00
					Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
30P07	10/30/90	NS	NS	2	Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
					Total 1,2-Dichloroethene	2.40 DL	3.00
					Chloroform	0.70 CR,DL	0.640
30P08	10/31/90	NS	NS	1	1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	2.90 DL	0.810
					Tetrachloroethene	3.50	0.150
					Total 1,2-Dichloroethene	2.40 HB,DL	3.00
30P09	10/30/90	NS	LD	2	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	3.60 DL	0.810
					Tetrachloroethene	3.90	0.150
30P08	10/31/90	NS	NS	1	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 30							
30P08	10/31/90	NS	NS	1	Trichloroethene	21.90	0.810
					Tetrachloroethene	1.60	0.150
			LD	1	Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	17.40	0.810
					Tetrachloroethene	1.50	0.150
30P10	11/27/90	NS	NS	1	Total 1,2-Dichloroethene	23.40	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	7.90	0.810
					Tetrachloroethene	1.80	0.150
			LD	1	Total 1,2-Dichloroethene	17.20 HB	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	8.70	0.810
30P12	11/27/90	NS	NS	2	Total 1,2-Dichloroethene	7.10 BD,DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	2.00	0.150
30P13	11/27/90	NS	NS	1	Chloroform	0.20 CR,DL	6.400
					1,1,1-Trichloroethane	0.20 CR,DL	6.400
					Trichloroethene	1790.00 X	8.100
30P14	11/27/90	NS	NS	2	Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	36.10	0.810
					Tetrachloroethene	1.40	0.150
			LD	2	Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	35.40	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 30							
30P14	11/27/90	NS	LD	2	Tetrachloroethene	1.10	0.150
30P15	11/27/90	NS	NS	1	Total 1,2-Dichloroethene	43.00 DL	15.00
					Chloroform	3.40 CR,DL	3.200
					1,1,1-Trichloroethane	3.40 CR,DL	3.200
					Trichloroethene	934.00 X	4.050
					Tetrachloroethene	1.80 DL	0.750
30P16R	12/10/90	NS	NS	2	Chloroform	2.30 CR,DL	6.400
					1,1,1-Trichloroethane	2.30 CR,DL	6.400
					Trichloroethene	657.00	8.100
					Tetrachloroethene	3.40 DL	1.500
	12/10/90	FD	NS	2	Chloroform	4.70 CR,DL	6.400
					1,1,1-Trichloroethane	4.70 CR,DL	6.400
					Trichloroethene	577.00	8.100
30P17	12/07/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 DL	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	35.80	0.810
					Tetrachloroethene	1.50	0.150
			LD	2	Total 1,2-Dichloroethene	8.00 DL	3.00
					Chloroform	4.60 CR,BD	0.640
					1,1,1-Trichloroethane	4.60 CR,BD	0.640
					Trichloroethene	34.80	0.810
					Tetrachloroethene	1.90	0.150
30P18	12/10/90	NS	NS	1	Total 1,2-Dichloroethene	3.10 DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	6.70	0.810
					Tetrachloroethene	0.60 DL	0.150
30P19	12/10/90	NS	NS	1	Chloroform	2.10 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 30							
30P19	12/10/90	NS	NS	1	1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	54.40	0.810
					Tetrachloroethene	3.70	0.150
					Toluene	286.00 DL	127.0
					Unknown-1	46.10	NA
SITE 31							
31P01	10/03/90	NS	NS	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
31P02	10/03/90	NS	NS	1	Total 1,2-Dichloroethene	2.70 HB,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	0.10 DL	0.150
31P03	10/03/90	NS	NS	1	Total 1,2-Dichloroethene	4.10 HB,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	10.70	0.810
					Tetrachloroethene	3.90	0.150
31P04	10/03/90	NS	NS	1	Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	3.80 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SITE 36							
36P01	09/26/90	NS	NS	1	Chloroform	7.80 CR,DL	6.400
					1,1,1-Trichloroethane	7.80 CR,DL	6.400
					Trichloroethene	131.00 D	8.100
					Tetrachloroethene	1190.00 D	1.500

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 36							
36P01	09/26/90	NS	NS	1	Freon 113	7100.00 HB	NA
36P02	09/25/90	NS	NS	1	Chloroform	11.70 CR	0.640
					1,1,1-Trichloroethane	11.70 CR	0.640
					Trichloroethene	6.40 DL	0.810
					Tetrachloroethene	6.70	0.150
			LD	1	Total 1,2-Dichloroethene	2.00 HB,DL	3.00
					Chloroform	11.70 CR	0.640
					1,1,1-Trichloroethane	11.70 CR	0.640
					Trichloroethene	6.40 DL	0.810
					Tetrachloroethene	7.40	0.150
36P03	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	2.00 HB,DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	8.80	0.810
					Tetrachloroethene	0.60 DL	0.150
36P04	09/25/90	NS	NS	1	Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	6.60	0.810
					Tetrachloroethene	8.00	0.150
36P05	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	4.00 DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	47.30	0.810
					Tetrachloroethene	5.20	0.150
					p-Xylene	139.00 DL	224.0
36P06	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	2.00 DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	0.30 DL	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 36							
36P07	11/20/90	NS	NS	2	Total 1,2-Dichloroethene	58.50 DL	15.00
					Chloroform	10.00 CR,BC,DL	3.200
					1,1,1-Trichloroethane	10.00 CR,BC,DL	3.200
					Trichloroethene	406.00	4.050
					Tetrachloroethene	62.20	0.750
36P08	11/20/90	NS	NS	1	Total 1,2-Dichloroethene	62.50	7.50
					Chloroform	0.40 CR,DL	1.600
					1,1,1-Trichloroethane	0.40 CR,DL	1.600
					Trichloroethene	178.00	2.025
					Tetrachloroethene	2.30 DL	0.375
					Unknown-1	9270.00	NA
					Unknown-2	5690.00	NA
					Unknown-3	4520.00	NA
36P09	11/20/90	NS	NS	2	Total 1,2-Dichloroethene	18.50 HB,DL	7.50
					Chloroform	8.70 CR,BC	1.600
					1,1,1-Trichloroethane	8.70 CR,BC	1.600
					Trichloroethene	24.20	2.025
					Tetrachloroethene	170.00	0.375
36P10	12/04/90	NS	NS	2	Total 1,2-Dichloroethene	10.00 Q,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
36P11	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	49.40 BD,Q	3.00
					Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	17.90	0.810
					Tetrachloroethene	2.10	0.150
36P12	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	57.30 Q	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 36							
36P12	11/30/90	NS	NS	2	Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	81.50	0.810
					Tetrachloroethene	12.20	0.150
36P13	12/03/90	NS	NS	2	Total 1,2-Dichloroethene	13.40 HB,Q,DL	3.00
					Chloroform	5.80 CR	0.640
					1,1,1-Trichloroethane	5.80 CR	0.640
					Trichloroethene	11.90	0.810
					Tetrachloroethene	2.20	0.150
			LD	2	Total 1,2-Dichloroethene	12.70 HB,Q,DL	3.00
					Chloroform	6.20 CR	0.640
					1,1,1-Trichloroethane	6.20 CR	0.640
					Trichloroethene	13.00	0.810
					Tetrachloroethene	4.20	0.150
36P14	12/04/90	NS	NS	2	Total 1,2-Dichloroethene	50.00 HB,Q,DL	15.00
					Chloroform	11.00 CR,DL	3.200
					1,1,1-Trichloroethane	11.00 CR,DL	3.200
					Trichloroethene	12.80 DL	4.050
					Tetrachloroethene	256.00	0.750
	12/04/90	FD	NS	2	Total 1,2-Dichloroethene	46.80 HB,Q,DL	15.00
					Chloroform	6.00 CR,DL	3.200
					1,1,1-Trichloroethane	6.00 CR,DL	3.200
					Trichloroethene	10.40 DL	4.050
					Tetrachloroethene	252.00	0.750
36P15	12/03/90	NS	NS	1	Chloroform	12.50 CR,DL	6.400
					1,1,1-Trichloroethane	12.50 CR,DL	6.400
					Trichloroethene	2360.00 X	8.100
					Tetrachloroethene	46000.00 X	1.500
SITE 47							
47P01	10/17/90	NS	NS	1	Chloroform	27.90 CR,DL	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 47							
47P01	10/17/90	NS	NS	1	1,1,1-Trichloroethane	27.90 CR,DL	6.400
					Trichloroethene	2500.00	8.100
					Tetrachloroethene	15600.00 D	1.500
47P02	10/17/90	NS	NS	2	Chloroform	12.40 CR,DL	6.400
					1,1,1-Trichloroethane	12.40 CR,DL	6.400
					Trichloroethene	3780.00 X	8.100
					Tetrachloroethene	3930.00 X	1.500
47P03	10/18/90	NS	NS	1	Total 1,2-Dichloroethene	3.40 DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	7.20	0.810
					Tetrachloroethene	0.90	0.150
			LD	1	Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	8.30	0.810
					Tetrachloroethene	1.00	0.150
47P04	10/18/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 HB,DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	3.50 DL	0.810
					Tetrachloroethene	4.20	0.150
			LD	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	5.00	0.150
47P05	10/18/90	NS	NS	2	Total 1,2-Dichloroethene	2.40 HB,DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
47P06	10/18/90	NS	NS	1	Chloroform	9.00 HB,DL	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 47							
47P06	10/18/90	NS	NS	1	1,1,1-Trichloroethane	9.00 HB,DL	6.400
					Trichloroethene	67.50	8.100
					Tetrachloroethene	1320.00	1.500
47P07	10/17/90	NS	NS	2	Total 1,2-Dichloroethene	9.20 HB,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	77.50	0.150
47P08	10/17/90	NS	NS	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	7.50	0.150
					p-Xylene	170.00 DL	224.0
47P09	11/20/90	NS	NS	1	Chloroform	3.30 CR,DL	3.200
					1,1,1-Trichloroethane	3.30 CR,DL	3.200
					Trichloroethene	253.00	4.050
					Tetrachloroethene	388.00	0.750
	11/20/90	FD	NS	1	Chloroform	3.40 CR,DL	3.200
					1,1,1-Trichloroethane	3.40 CR,DL	3.200
					Trichloroethene	278.00	4.050
					Tetrachloroethene	433.00	0.750
47P10	11/20/90	NS	NS	2	Total 1,2-Dichloroethene	9.20 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
47P11	11/20/90	NS	NS	2	Total 1,2-Dichloroethene	3.10 DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	3.70 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 47							
47P11	11/20/90	NS	NS	2	Tetrachloroethene	48.90	0.150
47P12	11/20/90	NS	NS	1	Total 1,2-Dichloroethene	3.80 DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Tetrachloroethene	0.30 DL	0.150
47P13	11/21/90	NS	NS	1	Total 1,2-Dichloroethene	4.20 HB,DL	3.00
					Chloroform	15.30 CR	0.640
					1,1,1-Trichloroethane	15.30 CR	0.640
					Trichloroethene	15.00	0.810
					Tetrachloroethene	25.00	0.150
					Toluene	560.00 DL	127.0
					p-Xylene	1050.00 DL	224.0
					o-Xylene	474.00 DL	242.0
			LD	1	Total 1,2-Dichloroethene	4.20 DL	3.00
					Chloroform	15.20 CR	0.640
					1,1,1-Trichloroethane	15.20 CR	0.640
					Trichloroethene	15.00	0.810
					Tetrachloroethene	25.50	0.150
					Toluene	510.00 DL	127.0
					p-Xylene	1080.00 DL	224.0
					o-Xylene	516.00 DL	242.0
47P14	11/20/90	NS	NS	1	Total 1,2-Dichloroethene	4.20 HB,DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	1.30 DL	0.810
					Tetrachloroethene	22.80	0.150
47P15	11/21/90	NS	NS	1	Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	1.40	0.150
47P16	11/20/90	NS	NS	2	Chloroform	24.30 CR,BC	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 47							
47P16	11/20/90	NS	NS	2	1,1,1-Trichloroethane	24.30 CR,BC	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	1.80	0.150
47P17	11/19/90	NS	NS	2	Total 1,2-Dichloroethene	6.20 DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	5.90	0.810
					Tetrachloroethene	12.10	0.150
			LD	2	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	6.00	0.810
					Tetrachloroethene	12.10	0.150
47P18	11/20/90	NS	NS	1	Chloroform	34.60 CR	6.400
					1,1,1-Trichloroethane	34.60 CR	6.400
					Trichloroethene	16400.00 X	8.100
					Tetrachloroethene	12000.00 X	1.500
47P19	12/03/90	NS	NS	2	Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	138.00	0.810
					Tetrachloroethene	41.20	0.150
					p-Xylene	299.00 DL	224.0
					o-Xylene	191.00 DL	242.0
47P20	12/04/90	NS	NS	2	Total 1,2-Dichloroethene	10.00 HB,Q,DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	2.30	0.150
			LD	2	Total 1,2-Dichloroethene	10.00 Q,DL	3.00
					Chloroform	3.20 CR	0.640
					1,1,1-Trichloroethane	3.20 CR	0.640
					Trichloroethene	4.30	0.810

(Continued)



TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 47							
47P20	12/04/90	NS	LD	2	Tetrachloroethene	1.90	0.150
47P21	12/03/90	NS	NS	2	Total 1,2-Dichloroethene	20.00 HB,Q	3.00
					Chloroform	4.90 CR	0.640
					1,1,1-Trichloroethane	4.90 CR	0.640
					Trichloroethene	4.00 DL	0.810
					Tetrachloroethene	4.20	0.150
					Toluene	565.00 DL	127.0
	12/03/90	FD	NS	2	Total 1,2-Dichloroethene	3.30 HB,Q,DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	2.30	0.150
47P22	12/03/90	NS	NS	1	Chloroform	52.80 CR	6.400
					1,1,1-Trichloroethane	52.80 CR	6.400
					Trichloroethene	564.00	8.100
					Tetrachloroethene	1100.00	1.500
47P23	12/03/90	NS	NS	2	Total 1,2-Dichloroethene	187.00 BD,Q	7.50
					Chloroform	13.60 CR	1.600
					1,1,1-Trichloroethane	13.60 CR	1.600
					Trichloroethene	326.00	2.025
					Tetrachloroethene	95.70	0.375
					p-Xylene	696.00 DL	560.0
SITE 48							
48P01	10/17/90	NS	NS	2	Chloroform	20.00 CR,DL	6.400
					1,1,1-Trichloroethane	20.00 CR,DL	6.400
					Trichloroethene	1745.00 X	8.100
					Tetrachloroethene	3958.00 X	1.500
48P02	10/17/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 HB,DL	3.00
					Chloroform	2.80 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 48							
48P02	10/17/90	NS	NS	2	1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	3.40 DL	0.810
					Tetrachloroethene	17.80	0.150
48P03	10/17/90	NS	NS	2	Total 1,2-Dichloroethene	7.40 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	2.20	0.150
			LD	2	Total 1,2-Dichloroethene	6.70 HB,DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.10 CP,DL	0.810
					Tetrachloroethene	2.00	0.150
48P04	10/17/90	NS	NS	2	Total 1,2-Dichloroethene	8.60 HB,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	6.80	0.150
48P05	11/19/90	NS	NS	1	Chloroform	7.60 CR,DL	6.400
					1,1,1-Trichloroethane	7.60 CR,DL	6.400
					Trichloroethene	3120.00 X	8.100
					Tetrachloroethene	7200.00 X	1.500
48P06	11/20/90	NS	NS	2	Chloroform	4.10 CR,BC	0.640
					1,1,1-Trichloroethane	4.10 CR,BC	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	1.80	0.150
48P07	11/19/90	NS	NS	1	Total 1,2-Dichloroethene	13.60 HB,DL	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	1.60 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 48							
48P07	11/19/90	NS	NS	1	Tetrachloroethene	1.50	0.150
48P08	11/19/90	NS	NS	1	Chloroform	1.00 CR,DL	6.400
					1,1,1-Trichloroethane	1.00 CR,DL	6.400
					Trichloroethene	2640.00 X	8.100
					Tetrachloroethene	19500.00 X	1.500
48P09	12/05/90	NS	NS	1	Chloroform	25.90 CR	1.600
					1,1,1-Trichloroethane	25.90 CR	1.600
					Trichloroethene	15.40	2.025
					Tetrachloroethene	149.00	0.375
PRL L-5							
L5P02	10/19/90	NS	NS	2	Total 1,2-Dichloroethene	26.00	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	21.80	0.150
L5P03	10/19/90	NS	NS	1	Total 1,2-Dichloroethene	5.40 DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	4.20	0.810
					Tetrachloroethene	1.10	0.150
L5P04	10/19/90	NS	NS	1	Total 1,2-Dichloroethene	28.40 DL	7.50
					Chloroform	9.90 CR	1.600
					1,1,1-Trichloroethane	9.90 CR	1.600
					Trichloroethene	149.00	2.025
					Tetrachloroethene	4.20	0.375
L5P05	10/19/90	NS	NS	2	Chloroform	7.10 CR	0.640
					1,1,1-Trichloroethane	7.10 CR	0.640
					Trichloroethene	256.00 D	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P05	10/19/90	NS	NS	2	Tetrachloroethene	35.40	0.150
L5P06	10/19/90	NS	NS	2	Chloroform	9.10 CR,DL	6.400
					1,1,1-Trichloroethane	9.10 CR,DL	6.400
					Trichloroethene	1200.00	8.100
					Tetrachloroethene	65.60	1.500
L5P07	10/19/90	NS	NS	1	Chloroform	1.70 CR,DL	6.400
					1,1,1-Trichloroethane	1.70 CR,DL	6.400
					Trichloroethene	1020.00	8.100
					Tetrachloroethene	66.30	1.500
L5P08	10/19/90	NS	NS	2	Chloroform	6.50 CR,DL	6.400
					1,1,1-Trichloroethane	6.50 CR,DL	6.400
					Trichloroethene	1200.00 X	8.100
					Tetrachloroethene	21.20	1.500
L5P09	10/25/90	NS	NS	2	Chloroform	166.00 CR	6.400
					1,1,1-Trichloroethane	166.00 CR	6.400
					Trichloroethene	50800.00 X	8.100
					Tetrachloroethene	231.00 X	1.500
L5P10	10/25/90	NS	NS	1	Chloroform	6.20 CR,DL	6.400
					1,1,1-Trichloroethane	6.20 CR,DL	6.400
					Trichloroethene	13.00 DL	8.100
					Unknown-1	46200.00	NA
					Unknown-2	42600.00	NA
					Unknown-3	42000.00	NA
L5P11	10/25/90	NS	NS	2	Chloroform	9.00 CR,DL	6.400
					1,1,1-Trichloroethane	9.00 CR,DL	6.400
					Trichloroethene	383.00 HB	8.100
					Tetrachloroethene	756.00	1.500
L5P12	10/25/90	NS	NS	2	Chloroform	4.50 CR,DL	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P12	10/25/90	NS	NS	2	1,1,1-Trichloroethane	4.50 CR,DL	6.400
					Trichloroethene	268.00 HB	8.100
					Tetrachloroethene	1230.00	1.500
L5P13	10/25/90	NS	NS	2	Chloroform	5.90 CR,DL	6.400
					1,1,1-Trichloroethane	5.90 CR,DL	6.400
					Trichloroethene	10.20 DL	8.100
					Tetrachloroethene	430.00	1.500
L5P14	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	8.60 DL	3.00
					Chloroform	6.40 CR	0.640
					1,1,1-Trichloroethane	6.40 CR	0.640
					Trichloroethene	2.50 DL	0.810
					Tetrachloroethene	14.70	0.150
			LD	1	Total 1,2-Dichloroethene	8.50 DL	3.00
					Chloroform	6.30 CR	0.640
					1,1,1-Trichloroethane	6.30 CR	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	14.50	0.150
L5P15	10/25/90	NS	NS	2	Chloroform	6.40 PS,CR	0.640
					1,1,1-Trichloroethane	6.40 PS,CR	0.640
					Trichloroethene	0.90 PS,DL	0.810
					Tetrachloroethene	0.60 PS,DL	0.150
L5P16	10/26/90	NS	NS	1	Total 1,2-Dichloroethene	1.90 Q,DL	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	3.30	0.150
			LD	1	Total 1,2-Dichloroethene	2.80 Q,DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	3.10	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P17	10/26/90	NS	NS	2	Total 1,2-Dichloroethene	11.70 HB,Q,DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	4.20	0.810
					Tetrachloroethene	1.30	0.150
L5P18	10/26/90	NS	NS	1	Total 1,2-Dichloroethene	18.80 DL	30.00
					Chloroform	20.10 CR,DL	6.400
					1,1,1-Trichloroethane	20.10 CR,DL	6.400
					Trichloroethene	7040.00	8.100
					Tetrachloroethene	78.70	1.500
L5P19	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	41.30 Q	3.00
					Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
L5P21	10/26/90	NS	NS	2	Total 1,2-Dichloroethene	3.30 HB,Q,DL	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	4.20	0.810
					Tetrachloroethene	0.40 DL	0.150
L5P22	10/29/90	NS	NS	1	Chloroform	56.20 CR	6.400
					1,1,1-Trichloroethane	56.20 CR	6.400
					Trichloroethene	15200.00	8.100
					Tetrachloroethene	124.00	1.500
	10/29/90	FD	NS	1	Chloroform	55.20 CR	6.400
					1,1,1-Trichloroethane	55.20 CR	6.400
					Trichloroethene	14900.00	8.100
					Tetrachloroethene	137.00	1.500
L5P23	10/29/90	NS	NS	1	Chloroform	41.70 CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P23	10/29/90	NS	NS	1	1,1,1-Trichloroethane	41.70 CR	6.400
					Trichloroethene	11900.00	8.100
					Tetrachloroethene	129.00	1.500
L5P24	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	19.20 DL	30.00
					Chloroform	19.10 CR,DL	6.400
					1,1,1-Trichloroethane	19.10 CR,DL	6.400
					Trichloroethene	5550.00	8.100
					Tetrachloroethene	31.80	1.500
L5P25	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	25.00 HB,Q	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	19.80	0.810
					Tetrachloroethene	0.70 DL	0.150
L5P27	10/19/90	NS	NS	1	Chloroform	10.90 CR,DL	6.400
					1,1,1-Trichloroethane	10.90 CR,DL	6.400
					Trichloroethene	388.00	8.100
					Tetrachloroethene	4.50 DL	1.500
L5P28	10/22/90	NS	NS	1	Total 1,2-Dichloroethene	10.20 HB,DL	3.00
					Chloroform	1.48 CR,DL	0.640
					1,1,1-Trichloroethane	1.48 CR,DL	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	0.90	0.150
L5P29	10/22/90	NS	NS	1	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	5.00	0.810
					Tetrachloroethene	2.00	0.150
					p-Xylene	330.00 DL	224.0
L5P30	10/22/90	NS	NS	2	Total 1,2-Dichloroethene	128.00 Q,X,DL	30.00
					Chloroform	35.70 CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P30	10/22/90	NS	NS	2	1,1,1-Trichloroethane	35.70 CR	6.400
					Trichloroethene	4.40 DL	8.100
					Tetrachloroethene	5.50 DL	1.500
					p-Xylene	1977.00 DL	2240.0
					Unknown Hydrocarbon-1	781200.0 X	NA
					Unknown Hydrocarbon-2	955840.0 X	NA
					Unknown Hydrocarbon-3	199000.0 X	NA
			LD	1	Total 1,2-Dichloroethene	537.00 Q,HB	30.00
					Chloroform	17.80 CR,DL	6.400
					1,1,1-Trichloroethane	17.80 CR,DL	6.400
					Trichloroethene	1.50 DL	8.100
					Tetrachloroethene	10.90	1.500
					Unknown Hydrocarbon-1	721000.0	NA
					Unknown Hydrocarbon-2	894000.0	NA
					Unknown Hydrocarbon-3	223000.0	NA
L5P31	10/30/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	2.80 BD,DL	0.810
					Tetrachloroethene	0.40 DL	0.150
L5P32	10/23/90	NS	NS	1	Total 1,2-Dichloroethene	3.80 HB,DL	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	1.40 Q,DL	0.810
					Tetrachloroethene	0.50 DL	0.150
L5P33	10/18/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 HB,DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	1.00	0.150
L5P37	10/18/90	NS	NS	1	Total 1,2-Dichloroethene	6.10 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P37	10/18/90	NS	NS	1	Trichloroethene	4.40	0.810
					Tetrachloroethene	5.10	0.150
			LD	2	Total 1,2-Dichloroethene	16.30 HB	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
	10/18/90	FD	NS	2	Trichloroethene	4.10	0.810
					Tetrachloroethene	3.60	0.150
					Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
L5P38	10/23/90	NS	NS	1	Chloroform	8.00 HB	0.640
					1,1,1-Trichloroethane	8.00 HB	0.640
					Trichloroethene	15.60 Q	0.810
					Tetrachloroethene	62.80	0.150
L5P39	10/18/90	NS	NS	2	Total 1,2-Dichloroethene	2.40 HB,DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	2.00	0.150
L5P40	10/18/90	NS	NS	1	Chloroform	7.90 CR	0.640
					1,1,1-Trichloroethane	7.90 CR	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	23.40	0.150
L5P41	10/18/90	NS	NS	2	Total 1,2-Dichloroethene	7.40 HB,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	1.90	0.150
L5P42	10/18/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P42	10/18/90	NS	NS	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
L5P43	10/18/90	NS	NS	1	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.80	0.150
L5P44	10/19/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 HB,DL	3.00
					Chloroform	5.80 CR	0.640
					1,1,1-Trichloroethane	5.80 CR	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	1.30	0.150
					p-Xylene	277.00 DL	224.0
					o-Xylene	247.00 DL	242.0
			LD	2	Total 1,2-Dichloroethene	3.70 HB,DL	3.00
					Chloroform	5.50 CR	0.640
					1,1,1-Trichloroethane	5.50 CR	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
L5P45	10/19/90	NS	NS	1	Total 1,2-Dichloroethene	4.00 DL	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
L5P46	10/19/90	NS	NS	1	Chloroform	14.30 CR	0.640
					1,1,1-Trichloroethane	14.30 CR	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	53.40	0.150
					Unknown-1	34.40	NA
					Unknown-2	76600.00	NA
			LD	1	Chloroform	8.50 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P46	10/19/90	NS	LD	1	1,1,1-Trichloroethane	8.50 CR	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	45.60	0.150
					Unknown-1	28.50	NA
					Unknown-2	74800.00	NA
L5P47	10/19/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
L5P48	10/22/90	NS	NS	2	Total 1,2-Dichloroethene	25.70 Q	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
					Unknown-1	800.00	NA
L5P49	10/22/90	NS	NS	1	Chloroform	83.30 CR	6.400
					1,1,1-Trichloroethane	83.30 CR	6.400
					Trichloroethene	9.00 DL	8.100
					Tetrachloroethene	811.00	1.500
L5P50	10/22/90	NS	NS	2	Total 1,2-Dichloroethene	18.00 HB,Q	3.00
					Chloroform	184.00 CR	0.640
					1,1,1-Trichloroethane	184.00 CR	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	128.00	0.150
			LD	2	Total 1,2-Dichloroethene	29.60 HB,Q	3.00
					Chloroform	181.00 CR	0.640
					1,1,1-Trichloroethane	181.00 CR	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	129.00	0.150
L5P51	10/22/90	NS	NS	2	Total 1,2-Dichloroethene	10.30 HB,Q,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P51	10/22/90	NS	NS	2	Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
L5P52	10/23/90	NS	NS	1	Total 1,2-Dichloroethene	3.80 HB,DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	2.70 Q,DL	0.810
					Tetrachloroethene	1.20	0.150
L5P53	10/23/90	NS	NS	1	Chloroform	257.00 CR	6.400
					1,1,1-Trichloroethane	257.00 CR	6.400
					Trichloroethene	14.10 Q,DL	8.100
					Tetrachloroethene	598.00	1.500
L5P54	10/23/90	NS	NS	1	Total 1,2-Dichloroethene	3.80 Q,DL	3.00
					Chloroform	3.10 CR,DL	0.640
					1,1,1-Trichloroethane	3.10 CR,DL	0.640
					Trichloroethene	1.60 Q,DL	0.810
					Tetrachloroethene	3.40	0.150
L5P55	10/23/90	NS	NS	1	Total 1,2-Dichloroethene	3.80 HB,DL	3.00
					Chloroform	6.80 CR	0.640
					1,1,1-Trichloroethane	6.80 CR	0.640
					Trichloroethene	2.50 Q,DL	0.810
					Tetrachloroethene	6.20	0.150
L5P56	10/23/90	NS	NS	1	Chloroform	336.00 CR	6.400
					1,1,1-Trichloroethane	336.00 CR	6.400
					Trichloroethene	14.70 Q,DL	8.100
					Tetrachloroethene	1400.00 X	1.500
L5P57	10/23/90	NS	NS	1	Total 1,2-Dichloroethene	5.30 HB,DL	3.00
					Chloroform	11.90 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P57	10/23/90	NS	NS	1	1,1,1-Trichloroethane	11.90 CR	0.640
					Trichloroethene	7.00 Q	0.810
					Tetrachloroethene	4.30	0.150
L5P58	10/23/90	NS	NS	1	Chloroform	15.20 CR	1.600
					1,1,1-Trichloroethane	15.20 CR	1.600
					Trichloroethene	39.40	2.025
					Tetrachloroethene	255.00	0.375
L5P59	10/26/90	NS	NS	2	Total 1,2-Dichloroethene	13.40 HB,Q,DL	3.00
					Chloroform	5.20 CR	0.640
					1,1,1-Trichloroethane	5.20 CR	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	3.20	0.150
			LD	2	Total 1,2-Dichloroethene	12.40 HB,Q,DL	3.00
					Chloroform	4.50 CR	0.640
					1,1,1-Trichloroethane	4.50 CR	0.640
					Trichloroethene	4.90	0.810
					Tetrachloroethene	2.80	0.150
L5P63	10/29/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	2.30 DL	0.810
					Tetrachloroethene	2.10	0.150
					Unknown-1	72.80 HB	NA
			LD	2	Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	3.30 CR	0.640
					1,1,1-Trichloroethane	3.30 CR	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	1.60	0.150
					Unknown-1	72.80 HB	NA
L5P64	11/13/90	NS	NS	2	Total 1,2-Dichloroethene	2.90 HB,DL	3.00
					Chloroform	0.70 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P64	11/13/90	NS	NS	2	1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
L5P65	11/13/90	"	NS	1	Chloroform	92.40 CR	6.400
					1,1,1-Trichloroethane	92.40 CR	6.400
					Trichloroethene	96.50	8.100
					Tetrachloroethene	1110.00	1.500
			LD	1	Chloroform	90.60 CR	6.400
					1,1,1-Trichloroethane	90.60 CR	6.400
					Trichloroethene	77.00	8.100
					Tetrachloroethene	1100.00	1.500
L5P66	11/13/90	NS	NS	2	Total 1,2-Dichloroethene	2.90 DL	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	3.80	0.150
L5P67	11/13/90	NS	NS	1	Chloroform	4.60 HB,CR	0.640
					1,1,1-Trichloroethane	4.60 HB,CR	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	89.20	0.150
L5P68	11/15/90	NS	NS	1	Chloroform	70.60 CR	6.400
					1,1,1-Trichloroethane	70.60 CR	6.400
					Trichloroethene	3.70 DL	8.100
					Tetrachloroethene	382.00	1.500
L5P69	11/15/90	NS	NS	1	Chloroform	37.60 CR	3.200
					1,1,1-Trichloroethane	37.60 CR	3.200
					Trichloroethene	5.50 DL	4.050
					Tetrachloroethene	341.00	0.750
					Unknown-1	373000.0	NA
L5P70	11/15/90	NS	NS	2	Chloroform	195.00 CR	1.600

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P70	11/15/90	NS	NS	2	1,1,1-Trichloroethane	195.00 CR	1.600
					Trichloroethene	11.20	2.025
					Tetrachloroethene	200.00	0.375
			LD	2	Chloroform	191.00 CR	1.600
					1,1,1-Trichloroethane	191.00 CR	1.600
					Trichloroethene	9.70 DL	2.025
				Tetrachloroethene	203.00	0.375	
L5P71	11/15/90	NS	NS	1	Total 1,2-Dichloroethene	2.60 Q,DL	3.00
					Chloroform	1.70 DL,CR	0.640
					1,1,1-Trichloroethane	1.70 DL,CR	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	5.90	0.150
			LD	1	Total 1,2-Dichloroethene	4.20 Q,DL	3.00
					Chloroform	1.70 DL,CR	0.640
					1,1,1-Trichloroethane	1.70 DL,CR	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	6.10	0.150
L5P72	11/16/90	NS	NS	1	Total 1,2-Dichloroethene	7.00 Q,DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.80 DL	0.150
	11/16/90	FD	NS	1	Total 1,2-Dichloroethene	17.40	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Tetrachloroethene	0.40 DL	0.150
L5P73	11/15/90	NS	NS	2	Chloroform	2.50 DL,CR	0.640
					1,1,1-Trichloroethane	2.50 DL,CR	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	28.60	0.150
L5P74	11/15/90	NS	NS	1	Chloroform	78.30 CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P74	11/15/90	NS	NS	1	1,1,1-Trichloroethane	78.30 CR	6.400
					Trichloroethene	9.00 DL	8.100
					Tetrachloroethene	430.00	1.500
L5P75	11/16/90	NS	NS	1	Chloroform	79.80 CP,CR	6.400
					1,1,1-Trichloroethane	79.80 CP,CR	6.400
					Trichloroethene	15.30 DL	8.100
					Tetrachloroethene	530.00	1.500
					Unknown-1	78.10 CP	NA
L5P76	11/16/90	NS	NS	1	Total 1,2-Dichloroethene	5.00 HB,Q,DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	2.40 BD,DL	0.810
					Tetrachloroethene	8.40	0.150
L5P77	11/16/90	NS	NS	2	Chloroform	55.90 CR	6.400
					1,1,1-Trichloroethane	55.90 CR	6.400
					Trichloroethene	144.00	8.100
					Tetrachloroethene	888.00	1.500
					Unknown-1	445.00	NA
			LD	2	Chloroform	53.00 CR	6.400
					1,1,1-Trichloroethane	53.00 CR	6.400
					Trichloroethene	142.00	8.100
					Tetrachloroethene	883.00	1.500
					Unknown-1	432.00	NA
L5P78	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 HB,DL	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	12.00	0.150
L5P79	11/16/90	NS	NS	2	Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P79	11/16/90	NS	NS	2	Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	11.70	0.150
					Unknown-1	55.10	NA
L5P80	11/16/90	NS	NS	1	Chloroform	8.00 CR	0.640
					1,1,1-Trichloroethane	8.00 CR	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	62.40	0.150
					Unknown-1	8.90	NA
L5P81	11/12/90	NS	NS	2	Total 1,2-Dichloroethene	93.00 CP	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	1.00	0.150
L5P82	11/12/90	NS	NS	2	Total 1,2-Dichloroethene	42.90 CP	3.00
					Chloroform	3.80 CR,BD	0.640
					1,1,1-Trichloroethane	3.80 CR,BD	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
L5P83	11/13/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 HB,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	2.10	0.150
L5P84	11/12/90	NS	NS	2	Total 1,2-Dichloroethene	4.30 HB,DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
L5P85	11/14/90	NS	NS	2	Chloroform	78.00 BD,CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
LSP85	11/14/90	NS	NS	2	1,1,1-Trichloroethane	78.00 BD,CR	6.400
					Trichloroethene	1550.00 X	8.100
					Tetrachloroethene	6.60 DL	1.500
LSP86	11/14/90	NS	NS	2	Chloroform	49.00 CR	6.400
					1,1,1-Trichloroethane	49.00 CR	6.400
					Trichloroethene	38800.00 X	8.100
					Tetrachloroethene	107.00	1.500
					Freon 113	2330.00 X	NA
LSP87	11/14/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 HB,DL	3.00
					Chloroform	1.80 DL,CR	0.640
					1,1,1-Trichloroethane	1.80 DL,CR	0.640
					Trichloroethene	64.70	0.810
					Tetrachloroethene	0.50 DL	0.150
			LD	2	Total 1,2-Dichloroethene	24.30 HB	3.00
					Chloroform	1.40 DL,CR	0.640
					1,1,1-Trichloroethane	1.40 DL,CR	0.640
					Trichloroethene	63.70	0.810
					Tetrachloroethene	0.40 DL	0.150
LSP88	11/13/90	NS	NS	1	Total 1,2-Dichloroethene	14.90 HB,Q,DL	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	9.80	0.810
					Tetrachloroethene	1.00	0.150
LSP89	11/13/90	NS	NS	1	Total 1,2-Dichloroethene	27.50 HB,Q	3.00
					Chloroform	4.20 CR	0.640
					1,1,1-Trichloroethane	4.20 CR	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	1.50	0.150
LSP90	11/13/90	NS	NS	1	Total 1,2-Dichloroethene	13.30 Q,DL	3.00
					Chloroform	4.50 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P90	11/13/90	NS	NS	1	1,1,1-Trichloroethane	4.50 CR	0.640
					Trichloroethene	4.00 DL	0.810
					Tetrachloroethene	17.40	0.150
			LD	1	Total 1,2-Dichloroethene	13.30 Q,DL	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	4.30	0.810
					Tetrachloroethene	18.10	0.150
L5P91	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	0.80 DL	0.150
L5P92	11/14/90	NS	NS	2	Chloroform	4.00 CR,DL	1.600
					1,1,1-Trichloroethane	4.00 CR,DL	1.600
					Trichloroethene	26.10	2.025
					Tetrachloroethene	196.00	0.375
L5P93	11/14/90	NS	NS	2	Chloroform	0.40 CR,DL	1.600
					1,1,1-Trichloroethane	0.40 CR,DL	1.600
					Trichloroethene	33.10	2.025
					Tetrachloroethene	240.00	0.375
			LD	2	Chloroform	0.40 CR,DL	1.600
					1,1,1-Trichloroethane	0.40 CR,DL	1.600
					Trichloroethene	29.20	2.025
					Tetrachloroethene	238.00	0.375
L5P94	11/13/90	NS	NS	1	Total 1,2-Dichloroethene	18.30 HB,Q	3.00
					Chloroform	18.50 CR	0.640
					1,1,1-Trichloroethane	18.50 CR	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	4.70	0.150
L5P95	11/14/90	NS	NS	2	Total 1,2-Dichloroethene	4.60 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P95	11/14/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	33.00	0.810
					Tetrachloroethene	0.30 DL	0.150
			LD	2	Total 1,2-Dichloroethene	8.40 HB,DL	3.00
					Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	3.80 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
L5P96	11/14/90	NS	NS	2	Chloroform	3.80 CR,DL	6.400
					1,1,1-Trichloroethane	3.80 CR,DL	6.400
					Trichloroethene	510.00	8.100
					Tetrachloroethene	42.50	1.500
L5P97	11/14/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 HB,DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	1.10	0.150
L5P99	11/15/90	NS	NS	1	Total 1,2-Dichloroethene	17.40 Q	3.00
					Chloroform	0.90 DL,CR	0.640
					1,1,1-Trichloroethane	0.90 DL,CR	0.640
					Trichloroethene	39.90	0.810
					Tetrachloroethene	3.90	0.150
L5P100	11/15/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 HB,DL	3.00
					Chloroform	1.40 DL,CR	0.640
					1,1,1-Trichloroethane	1.40 DL,CR	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
L5P101	11/12/90	NS	NS	1	Total 1,2-Dichloroethene	10.00 HB,Q,DL	3.00
					Chloroform	1.40 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P101	11/12/90	NS	NS	1	1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	60.90	0.810
					Tetrachloroethene	3.10	0.150
L5P102	11/12/90	NS	NS	1	Chloroform	6.00 CR,DL	3.200
					1,1,1-Trichloroethane	6.00 CR,DL	3.200
					Trichloroethene	459.00	4.050
					Tetrachloroethene	23.50	0.750
			LD	1	Chloroform	4.40 CR,DL	3.200
					1,1,1-Trichloroethane	4.40 CR,DL	3.200
					Trichloroethene	422.00	4.050
					Tetrachloroethene	21.40	0.750
L5P103	11/12/90	NS	NS	1	Total 1,2-Dichloroethene	25.70 Q	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	14.50	0.810
					Tetrachloroethene	2.60	0.150
			LD	1	Total 1,2-Dichloroethene	24.70 Q	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	14.30	0.810
					Tetrachloroethene	2.30	0.150
L5P104	11/12/90	NS	NS	2	Total 1,2-Dichloroethene	7.60 HB,DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	1.60	0.150
			LD	2	Total 1,2-Dichloroethene	6.60 HB,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	3.10 DL	0.810
					Tetrachloroethene	1.40	0.150
L5P105	11/15/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P105	11/15/90	NS	NS	2	Chloroform	0.80 DL,CR	0.640
					1,1,1-Trichloroethane	0.80 DL,CR	0.640
					Trichloroethene	64.50	0.810
					Tetrachloroethene	3.50	0.150
L5P106	11/19/90	NS	NS	2	Total 1,2-Dichloroethene	11.10 HB,DL	3.00
					Chloroform	9.00 CR,BC	0.640
					1,1,1-Trichloroethane	9.00 CR,BC	0.640
					Trichloroethene	18.30	0.810
					Tetrachloroethene	5.50 BC	0.150
L5P107	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	4.60 DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	19.90	0.810
					Tetrachloroethene	0.80 DL	0.150
L5P108	11/16/90	NS	NS	1	Total 1,2-Dichloroethene	6.60 Q,DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Tetrachloroethene	0.70 DL	0.150
L5P109	11/16/90	NS	NS	1	Total 1,2-Dichloroethene	26.60 Q,DL	30.00
					Chloroform	21.60 CR,DL	6.400
					1,1,1-Trichloroethane	21.60 CR,DL	6.400
					Trichloroethene	4540.00 X	8.100
					Tetrachloroethene	98.60	1.500
			LD	1	Total 1,2-Dichloroethene	29.60 Q,DL	30.00
					Chloroform	12.20 DL,CR	6.400
					1,1,1-Trichloroethane	12.20 DL,CR	6.400
					Trichloroethene	4500.00 X	8.100
					Tetrachloroethene	110.00	1.500
L5P110	11/15/90	NS	NS	2	Total 1,2-Dichloroethene	2.90 DL	3.00
					Chloroform	0.50 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-:							
L5P110	11/15/90	NS	NS	2	1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.90 DL	0.150
L5P111	11/15/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	0.80 DL,CR	0.640
					1,1,1-Trichloroethane	0.80 DL,CR	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	1.00 DL	0.150
L5P112	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	7.20 HB,DL	7.50
					Chloroform	2.50 DL,BD	1.600
					1,1,1-Trichloroethane	2.50 DL,BD	1.600
					Trichloroethene	127.00	2.025
					Tetrachloroethene	64.50	0.375
			LD	2	Total 1,2-Dichloroethene	7.20 HB,DL	7.50
					Chloroform	1.30 DL,CR	1.600
					1,1,1-Trichloroethane	1.30 DL,CR	1.600
					Trichloroethene	133.00	2.025
					Tetrachloroethene	68.20	0.375
L5P113	12/07/90	NS	NS	1	Chloroform	69.50 CR	3.200
					1,1,1-Trichloroethane	69.50 CR	3.200
					Trichloroethene	39.50	4.050
					Tetrachloroethene	460.00	0.750
L5P114	12/07/90	NS	NS	2	Total 1,2-Dichloroethene	10.00 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Tetrachloroethene	1.40	0.150
L5P116	12/07/90	NS	NS	1	Chloroform	61.30 CR	1.600
					1,1,1-Trichloroethane	61.30 CR	1.600
					Trichloroethene	8.80 DL	2.025
					Tetrachloroethene	281.00	0.375

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P117	12/07/90	NS	NS	2	Total 1,2-Dichloroethene	9.40 DL	3.00
					Chloroform	9.90 CR,BC	0.640
					1,1,1-Trichloroethane	9.90 CR,BC	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	5.80 BC	0.150
L5P118	12/06/90	NS	NS	1	Chloroform	6.20 CR	0.640
					1,1,1-Trichloroethane	6.20 CR	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	20.20	0.150
L5P119	12/05/90	NS	NS	2	Chloroform	5.40 CR	0.640
					1,1,1-Trichloroethane	5.40 CR	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	69.40	0.150
L5P120	12/07/90	NS	NS	1	Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	6.40	0.810
					Tetrachloroethene	21.20	0.150
L5P122	12/06/90	NS	NS	2	Total 1,2-Dichloroethene	10.80 BD,Q,DL	3.00
					Chloroform	4.30 CR	0.640
					1,1,1-Trichloroethane	4.30 CR	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	1.80 BD	0.150
L5P123	12/06/90	NS	NS	2	Chloroform	102.00 CR	0.640
					1,1,1-Trichloroethane	102.00 CR	0.640
					Trichloroethene	5.90	0.810
					Tetrachloroethene	38.00	0.150
L5P124	12/06/90	NS	NS	2	Total 1,2-Dichloroethene	13.40 Q,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P124	12/06/90	NS	NS	2	Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	19.60	0.810
					Tetrachloroethene	8.30	0.150
L5P125	12/05/90	NS	NS	2	Total 1,2-Dichloroethene	5.70 DL	3.00
					Chloroform	7.20 CR	0.640
					1,1,1-Trichloroethane	7.20 CR	0.640
					Trichloroethene	1.60 BD,DL	0.810
					Tetrachloroethene	5.20	0.150
L5P128	12/05/90	NS	NS	2	Total 1,2-Dichloroethene	11.70 DL	3.00
					Chloroform	6.10 CR	0.640
					1,1,1-Trichloroethane	6.10 CR	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
L5P129	12/05/90	NS	NS	2	Chloroform	15.90 CR,HB	0.640
					1,1,1-Trichloroethane	15.90 CR,HB	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	118.00	0.150
L5P130	12/05/90	NS	NS	1	Chloroform	1.90 CR,DL	1.600
					1,1,1-Trichloroethane	1.90 CR,DL	1.600
					Trichloroethene	1.60 DL	2.025
					Tetrachloroethene	16.50	0.375
					Toluene	352.00 DL	317.5
					Unknown-1	116.00	NA
L5P131	12/05/90	NS	NS	1	Chloroform	29.00 CR	3.200
					1,1,1-Trichloroethane	29.00 CR	3.200
					Trichloroethene	33.80	4.050
					Tetrachloroethene	351.00	0.750
					Unknown-1	391.00	NA
	12/05/90	FD	NS	1	Chloroform	29.20 CR	3.200

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P131	12/05/90	FD	NS	1	1,1,1-Trichloroethane	29.20 CR	3.200
					Trichloroethene	33.60	4.050
					Tetrachloroethene	361.00	0.750
					Unknown-1	390.00	NA
			LD	1	Chloroform	24.60 CR	3.200
					1,1,1-Trichloroethane	24.60 CR	3.200
					Trichloroethene	32.90	4.050
					Tetrachloroethene	351.00	0.750
					Unknown-1	382.00	NA
L5P132	12/05/90	NS	NS	2	Total 1,2-Dichloroethene	4.30 DL	3.00
					Chloroform	9.00 CR	0.640
					1,1,1-Trichloroethane	9.00 CR	0.640
					Trichloroethene	0.60 DL	0.810
L5P133	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	28.90 HB,Q,DL	7.50
					Chloroform	4.00 CR,DL	1.600
					1,1,1-Trichloroethane	4.00 CR,DL	1.600
					Trichloroethene	220.00	2.025
					Tetrachloroethene	6.40	0.375
	12/04/90	FD	NS	1	Total 1,2-Dichloroethene	23.10 DL	7.50
					Chloroform	3.60 CR,DL	1.600
					1,1,1-Trichloroethane	3.60 CR,DL	1.600
					Trichloroethene	227.00	2.025
					Tetrachloroethene	5.00	0.375
			LD	1	Total 1,2-Dichloroethene	24.20 DL	7.50
					Chloroform	3.50 CR,DL	1.600
					1,1,1-Trichloroethane	3.50 CR,DL	1.600
					Trichloroethene	223.00	2.025
					Tetrachloroethene	6.30	0.375
L5P134	12/06/90	NS	NS	1	Total 1,2-Dichloroethene	64.80 DL	30.00
					Chloroform	116.00 CR	6.400
					1,1,1-Trichloroethane	116.00 CR	6.400
					Trichloroethene	4310.00	8.100

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P134	12/06/90	NS	NS	1	Tetrachloroethene	15.10	1.500
					Benzene	804.00 DL	2520.0
					Toluene	593.00 DL	1270.0
					Unknown-1	573.00	NA
					Unknown-2	493.00	NA
					Unknown-3	488.00	NA
			LD	1	Total 1,2-Dichloroethene	60.50 DL	30.00
					Chloroform	98.70 CR	6.400
					1,1,1-Trichloroethane	98.70 CR	6.400
					Trichloroethene	3550.00	8.100
					Tetrachloroethene	9.20	1.500
					Benzene	1280.00 HB,DL	2520.0
					Toluene	868.00 HB,DL	1270.0
					Unknown-1	1175.00 HB	NA
					Unknown-2	1840.00 HB	NA
					Unknown-3	1850.00 HB	NA
L5P135	12/06/90	NS	NS	1	Total 1,2-Dichloroethene	22.70	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	118.00	0.810
					Tetrachloroethene	7.10	0.150
L5P136	12/06/90	NS	NS	2	Total 1,2-Dichloroethene	11.70 BD,Q,DL	3.00
					Chloroform	8.30 CR,BD	0.640
					1,1,1-Trichloroethane	8.30 CR,BD	0.640
					Trichloroethene	4.60 BD	0.810
					Tetrachloroethene	3.20 BD	0.150
L5P137	12/06/90	NS	NS	1	Chloroform	2.70 CR,DL	1.600
					1,1,1-Trichloroethane	2.70 CR,DL	1.600
					Trichloroethene	186.00	2.025
					Tetrachloroethene	22.00	0.375
L5P138	12/06/90	NS	NS	1	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P138	12/06/90	NS	NS	1	Tetrachloroethene	1.10	0.150
L5P139	12/06/90	NS	NS	2	Chloroform	3.50 CR,BD	0.640
					1,1,1-Trichloroethane	3.50 CR,BD	0.640
					Trichloroethene	1.40 BD,DL	0.810
					Tetrachloroethene	1.90	0.150
					p-Xylene	273.00 DL	224.0
	12/06/90	FD	NS	2	Chloroform	2.70 CR,BD,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,BD,DL	0.640
					Trichloroethene	8.70 BD	0.810
					Tetrachloroethene	1.60	0.150
L5P140	12/05/90	NS	NS	1	Chloroform	6.40 CR,DL	6.400
					1,1,1-Trichloroethane	6.40 CR,DL	6.400
					Trichloroethene	326.00	8.100
					Tetrachloroethene	1240.00	1.500
L5P141	12/05/90	NS	NS	1	Total 1,2-Dichloroethene	4.60 DL	3.00
					Chloroform	4.60 CR	0.640
					1,1,1-Trichloroethane	4.60 CR	0.640
					Trichloroethene	5.90	0.810
					Tetrachloroethene	2.70	0.150
L5P144	12/05/90	NS	NS	2	Total 1,2-Dichloroethene	10.00 BD,DL	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	9.10	0.810
					Tetrachloroethene	3.50	0.150
			LD	2	Total 1,2-Dichloroethene	10.40 DL	3.00
					Chloroform	4.80 CR	0.640
					1,1,1-Trichloroethane	4.80 CR	0.640
					Trichloroethene	8.80	0.810
					Tetrachloroethene	4.80	0.150
L5P145	12/05/90	NS	NS	1	Chloroform	172.00 CR	6.400

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-5							
L5P145	12/05/90	NS	NS	1	1,1,1-Trichloroethane	172.00 CR	6.400
					Trichloroethene	41500.00 X	8.100
					Tetrachloroethene	182.00	1.500
L5P146	12/04/90	NS	NS	1	Chloroform	17.90 CR,DL	6.400
					1,1,1-Trichloroethane	17.90 CP,DL	6.400
					Trichloroethene	2170.00 X	8.100
					Tetrachloroethene	15.00	1.500
L5P147	11/30/90	NS	NS	2	Chloroform	20.00 CR	0.640
					1,1,1-Trichloroethane	20.00 CR	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	29.40	0.150
L5P148	12/03/90	NS	NS	1	Total 1,2-Dichloroethene	79.70 HB,Q	3.00
					Chloroform	4.40 CR	0.640
					1,1,1-Trichloroethane	4.40 CR	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	0.90 DL	0.150
L5P149	12/03/90	NS	NS	1	Total 1,2-Dichloroethene	85.50 HB,Q	3.00
					Chloroform	4.40 CR	0.640
					1,1,1-Trichloroethane	4.40 CR	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.90 DL	0.150
PRL L-6							
L6P01	10/29/90	NS	NS	1	Chloroform	21.10 HB,CR,DL	6.400
					1,1,1-Trichloroethane	21.10 HB,CR,DL	6.400
					Trichloroethene	74000.00	8.100
					Tetrachloroethene	43600.00	1.500
					Toluene	7210.00 DL	1270.0
					p-Xylene	17500.00	2240.0
					Unknown-1	15800.00	NA
					Unknown-2	39400.00	NA

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P02	10/24/90	NS	NS	1	Chloroform	113.00 CR	6.400
					1,1,1-Trichloroethane	117.00 CR	6.400
					Trichloroethene	51000.00	8.100
					Tetrachloroethene	37300.00	1.500
					p-Xylene	11000.00 DL	2240.0
					o-Xylene	11700.00 DL	2420.0
					Unknown Hydrocarbon-1	25800.00	NA
L6P03	10/24/90	NS	NS	1	Total 1,2-Dichloroethene	28.20 DL	30.00
					Chloroform	19.20 CR,DL	6.400
					1,1,1-Trichloroethane	19.20 CR,DL	6.400
					Trichloroethene	88.40	8.100
					Tetrachloroethene	1270.00	1.500
L6P04	10/24/90	NS	NS	1	Total 1,2-Dichloroethene	18.80 HB,DL	30.00
					Chloroform	3.90 CR,DL	6.400
					1,1,1-Trichloroethane	3.90 CR,DL	6.400
					Trichloroethene	83.80	8.100
					Tetrachloroethene	803.00	1.500
L6P05	10/24/90	NS	NS	1	Chloroform	9.80 CR,DL	3.200
					1,1,1-Trichloroethane	9.80 CR,DL	3.200
					Trichloroethene	35.00	4.050
					Tetrachloroethene	205.00	0.750
			LD	1	Chloroform	12.20 CR,DL	3.200
					1,1,1-Trichloroethane	12.20 CR,DL	3.200
					Trichloroethene	60.30	4.050
					Tetrachloroethene	393.00	0.750
L6P06	10/24/90	NS	NS	1	Total 1,2-Dichloroethene	9.40 Q,DL	15.00
					Chloroform	10.00 CR,DL	3.200
					1,1,1-Trichloroethane	10.00 CR,DL	3.200
					Trichloroethene	47.10	4.050
					Tetrachloroethene	570.00	0.750

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P07	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	14.10 Q,DL	7.50
					Chloroform	6.00 CR,DL	1.600
					1,1,1-Trichloroethane	6.00 CR,DL	1.600
					Trichloroethene	5.20 DL	2.025
					Tetrachloroethene	35.20	0.375
L6P08	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	10.00 DL	3.00
					Chloroform	13.40 CR	0.640
					1,1,1-Trichloroethane	13.40 CR	0.640
					Trichloroethene	3.30 DL	0.810
					Tetrachloroethene	4.30	0.150
L6P09	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	2.80 DL	3.00
					Chloroform	4.30 CR	0.640
					1,1,1-Trichloroethane	4.30 CR	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	2.70	0.150
L6P10	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	6.60 DL	3.00
					Chloroform	5.10 CR	0.640
					1,1,1-Trichloroethane	5.10 CR	0.640
					Trichloroethene	3.90 DL	0.810
					Tetrachloroethene	1.70	0.150
L6P11	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	6.20 DL	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	1.30	0.150
L6P12	11/13/90	NS	NS	2	Total 1,2-Dichloroethene	8.90 HB,DL	3.00
					Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	2.30 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P12	11/13/90	NS	NS	2	Tetrachloroethene	1.40	0.150
			LD	2	Total 1,2-Dichloroethene	6.30 HB,DL	3.00
					Chloroform	5.10 LS,CR	0.640
					1,1,1-Trichloroethane	5.10 LS,CR	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	1.50	0.150
L6P13	10/25/90	NS	NS	1	Total 1,2-Dichloroethene	5.60 HB,Q,DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	2.40 DL	0.810
					Tetrachloroethene	2.30	0.150
L6P14	10/26/90	NS	NS	2	Total 1,2-Dichloroethene	2.80 HB,Q,DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	1.10	0.150
L6P15	10/27/90	NS	NS	1	Total 1,2-Dichloroethene	6.60 Q,DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.10 DL	0.150
L6P16	10/29/90	NS	NS	2	Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	6.40	0.810
					Tetrachloroethene	0.40 DL	0.150
L6P17	10/29/90	NS	NS	2	Total 1,2-Dichloroethene	2.40 HB,DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.80	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P18	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	29.80 Q	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	1.00	0.150
					p-Xylene	286.00 DL	224.0
L6P19	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	25.00 Q	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
L6P20	10/29/90	NS	NS	2	Chloroform	9.80 CR	0.640
					1,1,1-Trichloroethane	9.80 CR	0.640
					Trichloroethene	18.10	0.810
					Tetrachloroethene	0.80	0.150
L6P21	10/29/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
L6P22	10/29/90	NS	NS	2	Chloroform	15.80 CR	0.640
					1,1,1-Trichloroethane	15.80 CR	0.640
					Trichloroethene	147.00	0.810
					Tetrachloroethene	1.10	0.150
L6P23	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	105.00 HB	3.00
					Chloroform	0.10 CR,DL	0.640
					1,1,1-Trichloroethane	0.10 CR,DL	0.640
					Tetrachloroethene	0.10 DL	0.150
L6P24	10/26/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 HB,Q,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P24	10/26/90	NS	NS	2	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	4.20	0.150
					Unknown-1	5.60	NA
	10/26/90	FD	NS	2	Total 1,2-Dichloroethene	8.40 DI.	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	3.50	0.150
					Unknown-1	5.10	NA
L6P25	10/26/90	NS	NS	1	Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	1.20	0.150
L6P26	10/26/90	NS	NS	2	Chloroform	12.30 CR	0.640
					1,1,1-Trichloroethane	12.30 CR	0.640
					Trichloroethene	51.00	0.810
					Tetrachloroethene	3.00	0.150
					Unknown-1	110.00	NA
L6P27	10/26/90	NS	NS	2	Total 1,2-Dichloroethene	5.00 HB,Q,DL	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
L6P28	10/26/90	NS	NS	1	Total 1,2-Dichloroethene	11.20 Q,DL	3.00
					Chloroform	3.10 CR,DL	0.640
					1,1,1-Trichloroethane	3.10 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	1.70	0.150
L6P30	10/24/90	NS	NS	1	Chloroform	38.60 HB,CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P30	10/24/90	NS	NS	1	1,1,1-Trichloroethane	38.60 HB,CR	6.400
					Trichloroethene	19500.00 HB	8.100
					Tetrachloroethene	21200.00 HB	1.500
					Toluene	350000.0	1270.0
					p-Xylene	24300.00	2240.0
					o-Xylene	11400.00 DL	2420.0
L6P31	11/13/90	NS	NS	2	Total 1,2-Dichloroethene	6.60 HB,DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	2.90 DL	0.810
					Tetrachloroethene	4.10	0.150
			LD	2	Total 1,2-Dichloroethene	8.60 HB,DL	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	2.40 DL	0.810
					Tetrachloroethene	3.50	0.150
L6P32	11/13/90	NS	NS	1	Total 1,2-Dichloroethene	13.60 HB,Q,DL	3.00
					Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Tetrachloroethene	0.80	0.150
L6P33	11/13/90	NS	NS	2	Chloroform	6.50 CR,DL	3.200
					1,1,1-Trichloroethane	6.50 CR,DL	3.200
					Trichloroethene	479.00	4.050
					Tetrachloroethene	34.60	0.750
L6P34	11/13/90	NS	NS	2	Total 1,2-Dichloroethene	18.00 HB,DL	7.50
					Chloroform	1.60 CR,DL	1.600
					1,1,1-Trichloroethane	1.60 CR,DL	1.600
					Trichloroethene	95.90	2.025
					Tetrachloroethene	165.00	0.375
					Unknown-1	462.00 X	NA
	11/13/90	FD	NS	2	Total 1,2-Dichloroethene	15.80 HB,DL	7.50

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P34	11/13/90	FD	NS	2	Chloroform	1.20 CR,DL	1.600
					1,1,1-Trichloroethane	1.20 CR,DL	1.600
					Trichloroethene	120.00	2.025
					Tetrachloroethene	220.00	0.375
					Unknown-1	480.00 X	NA
L6P35	11/13/90	NS	NS	1	Total 1,2-Dichloroethene	38.90 HB,Q	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	46.20	0.810
					Tetrachloroethene	1.10	0.150
					Unknown-1	1400.00	NA
					Unknown-2	867.00	NA
L6P36	12/03/90	NS	NS	2	Unknown-3	774.00	NA
					Total 1,2-Dichloroethene	16.70 Q,DL	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	3.10 DL	0.810
L6P37	11/12/90	NS	NS	1	Tetrachloroethene	2.10	0.150
					Total 1,2-Dichloroethene	32.30 Q	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
L6P38	11/12/90	NS	NS	2	Tetrachloroethene	0.80	0.150
					Unknown-1	1370.00	NA
					Unknown-2	1280.00	NA
					Unknown-3	982.00	NA
					Total 1,2-Dichloroethene	550.00	15.00
					Chloroform	10.50 CR,DL	3.200
					1,1,1-Trichloroethane	10.50 CR,DL	3.200
					Trichloroethene	24.00	4.050
					Tetrachloroethene	2.40 DL	0.750
					Unknown-1	23000.00	NA
					Unknown-2	10700.00	NA

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P38	11/12/90	NS	NS	2	Unknown-3	12300.00	NA
L6P39	11/12/90	NS	NS	1	Total 1,2-Dichloroethene	29.90 DL	30.00
					Chloroform	79.40 CR	6.400
					1,1,1-Trichloroethane	79.40 CR	6.400
					Trichloroethene	19600.00 X	8.100
					Tetrachloroethene	17100.00 X	1.500
L6P40	11/12/90	NS	NS	1	Total 1,2-Dichloroethene	5.20 Q,DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	2.10 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
L6P41	11/12/90	NS	NS	1	Total 1,2-Dichloroethene	16.60 HB,Q	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	2.60	0.150
					p-Xylene	3080.00	224.0
					Unknown-1	8840.00	NA
					Unknown-2	4910.00	NA
					Unknown-3	5950.00	NA
L6P42	12/03/90	NS	NS	1	Total 1,2-Dichloroethene	63.50 HB,Q	7.50
					Chloroform	12.10 CR	1.600
					1,1,1-Trichloroethane	12.10 CR	1.600
					Trichloroethene	242.00	2.025
					Tetrachloroethene	12.40	0.375
L6P43	12/03/90	NS	NS	2	Total 1,2-Dichloroethene	8.20 HB,Q,DL	7.50
					Chloroform	2.30 CR,DL	1.600
					1,1,1-Trichloroethane	2.30 CR,DL	1.600
					Trichloroethene	98.70	2.025
					Tetrachloroethene	11.00	0.375
L6P44	12/03/90	NS	NS	1	Total 1,2-Dichloroethene	226.00 HB,Q	7.50

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P44	12/03/90	NS	NS	1	Chloroform	7.50 CR,DL	1.600
					1,1,1-Trichloroethane	7.50 CR,DL	1.600
					Trichloroethene	219.00	2.025
					Tetrachloroethene	71.50	0.375
	12/03/90	FD	NS	1	Total 1,2-Dichloroethene	215.00 HB,Q,DL	7.50
					Chloroform	8.90 CR	1.600
					1,1,1-Trichloroethane	8.90 CR	1.600
					Trichloroethene	176.00	2.025
					Tetrachloroethene	70.00	0.375
L6P45	12/03/90	NS	NS	2	Total 1,2-Dichloroethene	8.20 DL	7.50
					Chloroform	2.70 CR,DL	1.600
					1,1,1-Trichloroethane	2.70 CR,DL	1.600
					Trichloroethene	213.00	2.025
					Tetrachloroethene	65.50	0.375
					p-Xylene	672.00 DL	560.0
L6P46	12/03/90	NS	NS	1	Total 1,2-Dichloroethene	68.80 HB,Q	3.00
					Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	2.00	0.150
			LD	1	Total 1,2-Dichloroethene	159.00 HB,Q	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	1.80	0.150
L6P47	12/03/90	NS	NS	2	Chloroform	8.20 CR,DL	3.200
					1,1,1-Trichloroethane	8.20 CR,DL	3.200
					Trichloroethene	280.00	4.050
					Tetrachloroethene	122.00	0.750
L6P48	12/07/90	NS	NS	2	Total 1,2-Dichloroethene	10.00 DL	3.00
					Chloroform	4.70 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL L-6							
L6P48	12/07/90	NS	NS	2	1,1,1-Trichloroethane	4.70 CR	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
PRL P-2							
P2P02	10/04/90	NS	NS	2	Total 1,2-Dichloroethene	16.00	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	5.30	0.810
					Tetrachloroethene	0.30 DL	0.150
			LD	2	Total 1,2-Dichloroethene	13.40 DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	2.90 DL	0.810
					Tetrachloroethene	0.80	0.150
P2P04	10/04/90	NS	NS	1	Total 1,2-Dichloroethene	4.80 DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	1.50	0.150
	10/04/90	FD	NS	1	Total 1,2-Dichloroethene	4.80 DL	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	2.10	0.150
P2P05	10/04/90	NS	NS	1	Total 1,2-Dichloroethene	7.70 DL	3.00
					Chloroform	4.90 CR	0.640
					1,1,1-Trichloroethane	4.90 CR	0.640
					Trichloroethene	13.70	0.810
					Tetrachloroethene	1.90	0.150
			LD	1	Total 1,2-Dichloroethene	6.80 DL	3.00
					Chloroform	4.50 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL P-2							
P2P05	10/04/90	NS	LD	1	1,1,1-Trichloroethane	4.50 CR	0.640
					Trichloroethene	12.50	0.810
					Tetrachloroethene	2.10	0.150
P2P06	10/04/90	NS	NS	1	Total 1,2-Dichloroethene	3.90 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	11.00	0.810
					Tetrachloroethene	2.30	0.150
P2P08	10/04/90	NS	NS	1	Total 1,2-Dichloroethene	3.90 HB,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	1.50	0.150
PRL P-9							
P9P01	10/09/90	NS	NS	1	Total 1,2-Dichloroethene	9.40 DL	3.00
					Chloroform	9.80 CR	0.640
					1,1,1-Trichloroethane	9.80 CR	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
P9P03	10/09/90	NS	NS	1	Total 1,2-Dichloroethene	7.10 DL	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	5.80	0.810
					Tetrachloroethene	2.80	0.150
P9P04	10/09/90	NS	NS	1	Chloroform	17.80 CR	0.640
					1,1,1-Trichloroethane	17.80 CR	0.640
					Trichloroethene	44.80	0.810
					Tetrachloroethene	26.80	0.150
			LD	1	Chloroform	17.60 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL P-9							
P9P04	10/09/90	NS	LD	1	1,1,1-Trichloroethane	17.60 CR	0.640
					Trichloroethene	48.20	0.810
					Tetrachloroethene	31.20	0.150
P9P05	10/08/90	NS	NS	2	Total 1,2-Dichloroethene	8.50 DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
					p-Xylene	500.00 BD,DL	224.0
					o-Xylene	590.00 BD,DL	242.0
P9P08	10/08/90	NS	NS	2	Total 1,2-Dichloroethene	7.10 DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	3.10 DL	0.810
					Tetrachloroethene	1.50	0.150
					p-Xylene	653.00 DL	224.0
					o-Xylene	239.00 DL	242.0
P9P09	10/08/90	NS	NS	1	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	1.10	0.150
			LD	2	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
					p-Xylene	156.00 DL	224.0
P9P10	10/08/90	NS	NS	2	Total 1,2-Dichloroethene	10.80 DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
P9P11	10/23/90	NS	NS	1	Total 1,2-Dichloroethene	14.70 HB	3.00

(Continued)

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL P-9							
P9P11	10/23/90	NS	NS	1	Chloroform	4.80 CR	0.640
					1,1,1-Trichloroethane	4.80 CR	0.640
					Trichloroethene	5.10 Q	0.810
					Tetrachloroethene	1.10	0.150
P9P12	10/23/90	NS	NS	1	Chloroform	3.20 CR,DL	6.400
					1,1,1-Trichloroethane	3.20 CR,DL	6.400
					Trichloroethene	230.00 Q	8.100
					Tetrachloroethene	180.00	1.500
P9P13	11/27/90	NS	NS	1	Total 1,2-Dichloroethene	8.60 DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	27.40	0.810
					Tetrachloroethene	16.60	0.150
			LD	1	Total 1,2-Dichloroethene	8.60 DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	27.60	0.810
				Tetrachloroethene	15.90	0.150	
P9P14	11/27/90	NS	NS	2	Total 1,2-Dichloroethene	32.00 BD	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	3.60	0.150
PRL S-5							
S5P01	11/02/90	NS	NS	2	Chloroform	61.00 CR	6.400
					1,1,1-Trichloroethane	61.00 CR	6.400
					Trichloroethene	4730.00 X	8.100
					Tetrachloroethene	210.00	1.500
	11/02/90	FD	NS	1	Chloroform	53.80 CR	6.400
					1,1,1-Trichloroethane	53.80 CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-5							
S5P01	11/02/90	FD	NS	1	Trichloroethene	4780.00	8.100
					Tetrachloroethene	282.00	1.500
S5P02	11/02/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 DL	15.00
					Chloroform	5.00 CR,DL	3.200
					1,1,1-Trichloroethane	5.00 CR,DL	3.200
					Trichloroethene	487.00	4.050
					Tetrachloroethene	44.00	0.750
			LD	2	Total 1,2-Dichloroethene	33.00 HB,DL	15.00
					Chloroform	6.00 CR,DL	3.200
					1,1,1-Trichloroethane	6.00 CR,DL	3.200
					Trichloroethene	478.00	4.050
					Tetrachloroethene	44.50	0.750
S5P03	11/02/90	NS	NS	2	Chloroform	3.00 CR,DL	3.200
					1,1,1-Trichloroethane	3.00 CR,DL	3.200
					Trichloroethene	300.00	4.050
					Tetrachloroethene	30.50	0.750
S5P04	11/02/90	NS	NS	1	Chloroform	9.00 CR,DL	6.400
					1,1,1-Trichloroethane	9.00 CR,DL	6.400
					Trichloroethene	1750.00 X	8.100
					Tetrachloroethene	32.90	1.500
			LD	1	Chloroform	11.20 CR,DL	6.400
					1,1,1-Trichloroethane	11.20 CR,DL	6.400
					Trichloroethene	1960.00 X	8.100
					Tetrachloroethene	34.80	1.500
S5P05	11/21/90	NS	NS	1	Total 1,2-Dichloroethene	20.90 DL	30.00
					Chloroform	2.00 CR,DL	6.400
					1,1,1-Trichloroethane	2.00 CR,DL	6.400
					Trichloroethene	804.00	8.100
					Tetrachloroethene	74.10	1.500
PRL S-13							
S13P01	11/02/90	NS	NS	2	Chloroform	1.60 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-13							
S13P01	11/02/90	NS	NS	2	1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	24.70	0.810
					Tetrachloroethene	2.20	0.150
S13P02	11/02/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
	11/02/90	FD	NS	1	Total 1,2-Dichloroethene	11.10 DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Tetrachloroethene	0.50 DL	0.150
S13P03	11/05/90	NS	NS	2	Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	2.50 DL	0.810
					Tetrachloroethene	0.90	0.150
S13P04	11/02/90	NS	NS	1	Chloroform	11.10 CR,DL	6.400
					1,1,1-Trichloroethane	11.10 CR,DL	6.400
					Trichloroethene	1850.00 X	8.100
					Tetrachloroethene	9.60	1.500
S13P05	11/05/90	NS	NS	2	Total 1,2-Dichloroethene	3.00 HB,Q,DL	3.00
					Chloroform	23.90 CR	0.640
					1,1,1-Trichloroethane	23.90 CR	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.80	0.150
S13P06	11/05/90	NS	NS	2	Total 1,2-Dichloroethene	3.00 HB,Q,DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	2.50	0.150
S13P07	11/05/90	NS	NS	1	Chloroform	52.00 CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PKL S-13							
S13P07	11/05/90	NS	NS	1	1,1,1-Trichloroethane	52.00 CR	6.400
					Trichloroethene	6020.00 X	8.100
					Tetrachloroethene	7110.00 X	1.500
	11/05/90	FD	NS	1	Chloroform	31.40 CR,DL	6.400
					1,1,1-Trichloroethane	31.40 CR,DL	6.400
					Trichloroethene	5980.00 X	8.100
S13P08	11/05/90	NS	NS	2	Tetrachloroethene	7460.00 X	1.500
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	17.10	0.810
S13P09	11/06/90	NS	NS	2	Tetrachloroethene	0.80	0.150
					Total 1,2-Dichloroethene	3.00 HB,Q,DL	3.00
					Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
S13P10	11/02/90	NS	NS	1	Tetrachloroethene	0.20 BD,DL	0.150
					Total 1,2-Dichloroethene	15.20	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	26.20	0.810
S13P11	11/05/90	NS	NS	1	Tetrachloroethene	0.30 DL	0.150
					Total 1,2-Dichloroethene	7.10 Q,DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
S13P12	11/05/90	NS	NS	2	Tetrachloroethene	0.70 DL	0.150
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-13							
S13P13	11/05/90	NS	NS	2	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	121.00	0.810
					Tetrachloroethene	38.60	0.150
S13P14	11/06/90	NS	NS	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	11.70	0.810
					Tetrachloroethene	13.00	0.150
			LD	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	11.80	0.810
					Tetrachloroethene	12.90	0.150
S13P15	11/05/90	NS	NS	1	Total 1,2-Dichloroethene	6.00 Q,DL	3.00
					Chloroform	6.00 CR	0.640
					1,1,1-Trichloroethane	6.00 CR	0.640
					Trichloroethene	27.00	0.810
					Tetrachloroethene	27.50	0.150
S13P16	11/02/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	21.30	0.810
					Tetrachloroethene	1.90	0.150
S13P17	11/05/90	NS	NS	1	Total 1,2-Dichloroethene	7.60 Q,DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	0.80	0.150
S13P18	11/05/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-13							
S13P18	11/05/90	NS	NS	2	Trichloroethene	3.80 DL	0.810
					Tetrachloroethene	2.10	0.150
S13P19	11/27/90	NS	NS	2	Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	2.20	0.150
					p-Xylene	301.00 DL	224.0
					o-Xylene	212.00 DL	242.0
S13P21	11/29/90	NS	NS	2	Total 1,2-Dichloroethene	39.10 Q	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	25.80	0.150
S13P22	11/27/90	NS	NS	1	Total 1,2-Dichloroethene	12.00 DL	3.00
					Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Tetrachloroethene	3.70	0.150
S13P23	11/27/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
S13P24	11/27/90	NS	NS	2	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	3.10 DL,BD	0.810
					Tetrachloroethene	1.80	0.150
S13P25	11/26/90	NS	NS	2	Chloroform	0.50 DL,Q,CR	0.640
					1,1,1-Trichloroethane	0.50 DL,Q,CR	0.640
					Trichloroethene	2.40 BD,DL	0.810
					Tetrachloroethene	1.90	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-13							
S13P26	11/27/90	NS	NS	2	Total 1,2-Dichloroethene	4.00 BD,DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	1.10	0.150
	11/27/90	FD	NS	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	1.10	0.150
	S13P27	11/27/90	NS	NS	2	Chloroform	1.90 CR,DL
1,1,1-Trichloroethane						1.90 CR,DL	0.640
Trichloroethene						2.10 DL	0.810
Tetrachloroethene						1.80	0.150
S13P28	11/27/90	NS	NS	2	Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Tetrachloroethene	2.40	0.150
S13P30	11/27/90	NS	NS	1	Total 1,2-Dichloroethene	12.90 DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	1.90	0.150
PRL S-28							
S28P01	09/24/90	NS	NS	1	Total 1,2-Dichloroethene	5.20 DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	6.10	0.810
					Tetrachloroethene	2.80	0.150
					p-xylene	93.00 BC,DL	224.0
S28P03	09/24/90	NS	NS	1	Chloroform	13.70 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-28							
S28P03	09/24/90	NS	NS	1	1,1,1-Trichloroethane	13.70 CR	0.640
					Trichloroethene	6.90	0.810
					Tetrachloroethene	8.40	0.150
					p-Xylene	103.00 BC,DL	224.0
					Freon 113	40600.00	NA
			LD	1	Chloroform	10.60 CR	0.640
					1,1,1-Trichloroethane	10.60 CR	0.640
					Trichloroethene	1.30 DL	0.810
					Tetrachloroethene	7.40	0.150
					Freon 113	39000.00	NA
S28P04	09/24/90	NS	NS	1	Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	2.90	0.150
					p-Xylene	206.00 BC,DL	224.0
PRL S-29							
S29P02	11/01/90	NS	NS	1	Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	52.40	0.810
					Tetrachloroethene	0.30 DL	0.150
S29P03	11/01/90	NS	NS	2	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	23.70	0.810
					Tetrachloroethene	9.30	0.150
S29P04	11/02/90	NS	NS	1	Total 1,2-Dichloroethene	8.40 DL	3.00
					Chloroform	6.50 CR	0.640
					1,1,1-Trichloroethane	6.50 CR	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
S29P05	11/01/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 DL	3.00

(Continued)



TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-29							
S29P05	11/01/90	NS	NS	2	Chloroform	4.10 CR	0.640
					1,1,1-Trichloroethane	4.10 CR	0.640
					Trichloroethene	49.30	0.810
					Tetrachloroethene	0.40 DL	0.150
S29P06	11/01/90	NS	NS	2	Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	72.50	0.810
					Tetrachloroethene	13.50	0.150
		LD	LD	2	Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	68.00	0.810
					Tetrachloroethene	13.80	0.150
S29P07	11/01/90	NS	NS	1	Total 1,2-Dichloroethene	2.90 DL	3.00
					Chloroform	5.30 CR	0.640
					1,1,1-Trichloroethane	5.30 CR	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
S29P08	11/01/90	NS	NS	1	Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	38.20	0.810
					Tetrachloroethene	2.10	0.150
		LD	LD	1	Chloroform	3.20 CR	0.640
					1,1,1-Trichloroethane	3.20 CR	0.640
					Trichloroethene	35.30	0.810
					Tetrachloroethene	2.20	0.150
S29P09	11/01/90	NS	NS	2	Chloroform	3.10 CR,DL	0.640
					1,1,1-Trichloroethane	3.10 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
S29P10	11/20/90	NS	NS	1	Total 1,2-Dichloroethene	7.40 DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-29							
S29P10	11/20/90	NS	NS	1	Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	14.90	0.150
					Toluene	933.00 DL	127.0
		LD	LD	1	Total 1,2-Dichloroethene	23.90	3.00
					Chloroform	3.70 CR	0.640
					1,1,1-Trichloroethane	3.70 CR	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	14.30	0.150
					Toluene	1010.00 DL	127.0
S29P11	11/20/90	NS	NS	2	Total 1,2-Dichloroethene	7.10 BD,DL	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
S29P12	11/20/90	NS	NS	1	Total 1,2-Dichloroethene	17.80 HB	3.00
					Chloroform	3.30 CR	0.640
					1,1,1-Trichloroethane	3.30 CR	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
	11/20/90	FD	NS	1	Total 1,2-Dichloroethene	9.40 HB,DL	3.00
					Chloroform	4.40 CR	0.640
					1,1,1-Trichloroethane	4.40 CR	0.640
					Trichloroethene	5.60 BD	0.810
					Tetrachloroethene	3.20 BD	0.150
S29P13	11/20/90	NS	NS	2	Chloroform	77.60 CR	0.640
					1,1,1-Trichloroethane	77.60 CR	0.640
					Trichloroethene	8.50	0.810
					Tetrachloroethene	1.50	0.150
S29P14	11/21/90	NS	NS	2	Total 1,2-Dichloroethene	13.60 DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-29							
S29P14	11/21/90	NS	NS	2	Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	1.70	0.150
					Toluene	980.00 DL	127.0
S29P15	11/21/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	0.90 DL	0.150
S29P16	12/07/90	NS	NS	1	Chloroform	69.40 CR	6.400
					1,1,1-Trichloroethane	69.40 CR	6.400
					Trichloroethene	7520.00 X	8.100
					Tetrachloroethene	1840.00 X	1.500
PRL S-33							
S33P01	10/30/90	NS	NS	1	Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	1.50	0.150
			LD	1	Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	1.10	0.150
S33P02	10/30/90	NS	NS	1	Total 1,2-Dichloroethene	5.60 DL	3.00
					Chloroform	24.90 CR	0.640
					1,1,1-Trichloroethane	24.90 CR	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.90	0.150
S33P03	10/30/90	NS	NS	2	Chloroform	1.60 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-33							
S33P03	10/30/90	NS	NS	2	1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
S33P04	10/30/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 HB,DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
S33P05	10/30/90	NS	NS	2	Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
S33P06	10/30/90	NS	NS	2	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
S33P07	10/30/90	NS	NS	1	Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
S33P08	11/02/90	NS	NS	2	Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Trichloroethene	0.10 DL	0.810
S33P09	10/30/90	NS	NS	2	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
PRL S-34							
S34P01	11/05/90	NS	NS	1	Trichloroethene	12000.00 X	8.100

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-34							
S34P01	11/05/90	NS	NS	1	Tetrachloroethene	19300.00 X	1.500
					p-Xylene	3540.00 DL	2240.0
					o-Xylene	3520.00 DL	2420.0
					Unknown-1	18000.00	NA
					Unknown-2	71900.00	NA
					Unknown-3	45400.00	NA
S34P02	11/05/90	NS	NS	1	Chloroform	4.80 CR,DL	3.200
					1,1,1-Trichloroethane	4.80 CR,DL	3.200
					Trichloroethene	373.00	4.050
					Tetrachloroethene	602.00	0.750
			LD	1	Chloroform	2.60 CR,DL	3.200
					1,1,1-Trichloroethane	2.60 CR,DL	3.200
					Trichloroethene	372.00	4.050
					Tetrachloroethene	621.00	0.750
S34P03	11/05/90	NS	NS	1	Total 1,2-Dichloroethene	13.90 Q,DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	2.10 DL	0.810
					Tetrachloroethene	4.40	0.150
S34P04	11/05/90	NS	NS	2	Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	85.50	0.810
					Tetrachloroethene	2.20	0.150
					Unknown-1	53.50	NA
			LD	2	Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	84.50	0.810
					Tetrachloroethene	2.10	0.150
					Unknown-1	52.40	NA
S34P05	11/05/90	NS	NS	1	Total 1,2-Dichloroethene	11.10 Q,DL	3.00
					Chloroform	1.80 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-34							
S34P05	11/05/90	NS	NS	1	1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	3.50 DL	0.810
					Tetrachloroethene	1.40	0.150
S34P06	11/05/90	NS	NS	2	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Toluene	302.00 DL	127.0
S34P07	11/05/90	NS	NS	1	Total 1,2-Dichloroethene	11.20 Q,DL	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	4.40	0.810
					Tetrachloroethene	0.90	0.150
			LD	1	Total 1,2-Dichloroethene	25.20 Q	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	4.00 DL	0.810
					Tetrachloroethene	1.10	0.150
S34P08	11/05/90	NS	NS	2	Chloroform	2.30 CR,DL	1.600
					1,1,1-Trichloroethane	2.30 CR,DL	1.600
					Trichloroethene	212.00	2.025
					Tetrachloroethene	3.50	0.375
S34P09	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	5.10 Q,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	7.10	0.810
					Tetrachloroethene	1.00	0.150
					p-Xylene	145.00 DL	224.0
S34P10	11/06/90	NS	NS	2	Chloroform	5.40 CR,DL	6.400
					1,1,1-Trichloroethane	5.40 CR,DL	6.400
					Trichloroethene	1120.00	8.100

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-34							
S34P10	11/06/90	NS	NS	2	Tetrachloroethene	26.80	1.500
					Unknown-1	68.60	NA
	11/06/90	FD	NS	1	Chloroform	13.00 HB,CR,DL	6.400
					1,1,1-Trichloroethane	13.00 HB,CR,DL	6.400
					Trichloroethene	1070.00	8.100
					Tetrachloroethene	27.20	1.500
					Unknown-1	48.30	NA
S34P11	11/26/90	NS	NS	2	Chloroform	1.90 DL,Q,CR	0.640
					1,1,1-Trichloroethane	1.90 DL,Q,CR	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	3.20	0.150
S34P12	11/21/90	NS	NS	1	Total 1,2-Dichloroethene	3.20 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Tetrachloroethene	0.50 DL	0.150
	11/21/90	FD	NS	1	Total 1,2-Dichloroethene	2.90 HB,DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.80 D'	0.810
					Tetrachloroethene	0.20	0.150
S34P13	11/26/90	NS	NS	2	Chloroform	1.20 DL,Q,CR	0.640
					1,1,1-Trichloroethane	1.20 DL,Q,CR	0.640
					Trichloroethene	16.80	0.810
					Tetrachloroethene	1.30	0.150
					p-Xylene	272.00 DL	224.0
S34P14	11/26/90	NS	NS	2	Chloroform	1.30 DL,Q,CR	1.600
					1,1,1-Trichloroethane	1.30 DL,Q,CR	1.600
					Trichloroethene	108.00	2.025
					Tetrachloroethene	26.00	0.375
					Unknown-1	57.00	NA
S34P15	11/21/90	NS	NS	1	Total 1,2-Dichloroethene	3.40 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-34							
S34P15	11/21/90	NS	NS	1	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	1.50	0.150
S34P16	11/21/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	25.70	0.810
					Tetrachloroethene	1.90	0.150
					Unknown-1	29.60	NA
S34P17	11/21/90	NS	NS	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.90 DL	0.150
S34P18	11/21/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	2.10 BD,DL	0.810
					Tetrachloroethene	0.20 DL	0.150
	11/21/90	FD	NS	2	Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.90 BD,DL	0.150
S34P19	11/21/90	NS	NS	1	Chloroform	0.30 CR,DL	0.640
					1,1,1-Trichloroethane	0.30 CR,DL	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	8.70	0.150
			LD	1	Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Trichloroethene	5.30	0.810
					Tetrachloroethene	10.30	0.150
S34P20	11/21/90	NS	NS	2	Total 1,2-Dichloroethene	3.10 DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-34							
S34P20	11/21/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
S34P21	12/07/90	NS	NS	2	Total 1,2-Dichloroethene	3.30 DL	3.00
					Chloroform	3.80 CR	0.640
					1,1,1-Trichloroethane	3.80 CR	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
S34P22	12/07/90	NS	NS	1	Total 1,2-Dichloroethene	4.40 DL	3.00
					Chloroform	4.60 CR	0.640
					1,1,1-Trichloroethane	4.60 CR	0.640
					Trichloroethene	96.80	0.810
					Tetrachloroethene	7.00	0.150
			LD	1	Total 1,2-Dichloroethene	17.40 HB	3.00
					Chloroform	4.50 CR	0.640
					1,1,1-Trichloroethane	4.50 CR	0.640
					Trichloroethene	95.60	0.810
					Tetrachloroethene	6.90	0.150
PRL S-35							
S35P01	09/26/90	NS	NS	1	Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	6.70	0.810
					Tetrachloroethene	0.60 DL	0.150
					p-Xylene	117.00 DL	224.0
S35P02	09/26/90	NS	NS	1	Total 1,2-Dichloroethene	8.50 DL	3.00
					Chloroform	6.80 CR	0.640
					1,1,1-Trichloroethane	6.80 CR	0.640
					Trichloroethene	111.00	0.810
					Tetrachloroethene	8.00	0.150
			LD	1	Total 1,2-Dichloroethene	7.80 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-35							
S35P02	09/26/90	NS	LD	1	Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	106.00	0.810
					Tetrachloroethene	8.40	0.150
					p-Xylene	167.00 DL	224.0
S35P03	09/26/90	NS	NS	1	Total 1,2-Dichloroethene	3.80 DL	3.00
					Chloroform	6.60 CR	0.640
					1,1,1-Trichloroethane	6.60 CR	0.640
					Trichloroethene	7.80	0.810
					Tetrachloroethene	2.30	0.150
S35P04	09/26/90	NS	NS	1	p-Xylene	105.00 DL	224.0
					Total 1,2-Dichloroethene	7.60 HB,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	3.60 DL	0.810
S35P05	09/26/90	NS	NS	2	Tetrachloroethene	0.30 DL	0.150
					p-Xylene	98.00 DL	224.0
					Chloroform	3.20 CR,DL	16.000
					1,1,1-Trichloroethane	3.20 CR,DL	16.000
					Trichloroethene	59.00 DL	20.250
S35P06	09/26/90	NS	NS	1	Tetrachloroethene	2.40 DL	3.750
					Total 1,2-Dichloroethene	8.40 HB,DL	3.00
					Chloroform	10.50 CR	0.640
					1,1,1-Trichloroethane	10.50 CR	0.640
					Trichloroethene	4.50	0.810
			LD	2	Tetrachloroethene	1.00	0.150
					p-Xylene	130.00 DL	224.0
					Total 1,2-Dichloroethene	13.50 DL	3.00
					Chloroform	10.30 CR	0.640
					1,1,1-Trichloroethane	10.30 CR	0.640
					Trichloroethene	6.20	0.810
					Tetrachloroethene	0.40 DL	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-35							
S35P06	09/26/90	NS	LD	2	p-Xylene	87.30 DL	224.0
S35P07	09/26/90	NS	NS	1	Total 1,2-Dichloroethene	11.50 HB,DL	3.00
					Chloroform	4.30 CR	0.640
					1,1,1-Trichloroethane	4.30 CR	0.640
					Trichloroethene	10.60	0.810
					Tetrachloroethene	2.30	0.150
S35P08	09/26/90	NS	NS	1	Total 1,2-Dichloroethene	4.30 DL	3.00
					Chloroform	5.60 CR	0.640
					1,1,1-Trichloroethane	5.60 CR	0.640
					Trichloroethene	5.60	0.810
					Tetrachloroethene	0.20 DL	0.150
S35P09	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	4.00 HB,DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
S35P10	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	3.00 DL	3.00
					Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.90	0.150
S35P11	09/26/90	NS	NS	1	Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Tetrachloroethene	0.10 DL	0.150
					o-Xylene	90.00 DL	242.0
S35P12	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	4.00 HB,DL	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	6.90	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-35							
S35P12	09/25/90	NS	NS	1	Tetrachloroethene	2.70	0.150
S35P13	09/25/90	NS	NS	1	Total 1,2-Dichloroethene	4.00 DL	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
S35P14	09/26/90	NS	NS	2	Chloroform	39.90 CR	0.640
					1,1,1-Trichloroethane	39.90 CR	0.640
					Trichloroethene	4443.00 D	0.810
					Tetrachloroethene	118.00 D	0.150
					p-Xylene	94.90 DL	224.0
					Freon 113	23126.00	NA
					Unknown-2	6860.00	NA
	09/26/90	FD	NS	2	Chloroform	33.00 CR	6.400
					1,1,1-Trichloroethane	33.00 CR	6.400
					Trichloroethene	8600.00 D	8.100
					Tetrachloroethene	66.00	1.500
					Freon 113	17930.00 D	N.
					Unknown-2	5420.00	NA
S35P15	09/26/90	NS	NS	2	Chloroform	7.50 CR,DL	3.200
					1,1,1-Trichloroethane	7.50 CR,DL	3.200
					Trichloroethene	1123.00 D	4.050
					Tetrachloroethene	8.00	0.750
					Unknown-1	1380.00 D	NA
S35P18	10/29/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 HB,DL	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	88.40	0.810
					Tetrachloroethene	4.00	0.150
					p-Xylene	185.00 DL	224.0
S35P19	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	75.80 Q	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL S-35							
S35P19	10/29/90	NS	NS	1	Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	13.20	0.810
					Tetrachloroethene	0.80	0.150
			LD	1	Total 1,2-Dichloroethene	110.00 Q	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	5.00	0.810
					Tetrachloroethene	1.00	0.150
S35P20	10/29/90	NS	NS	1	Total 1,2-Dichloroethene	19.20 DL	30.00
					Chloroform	7.70 CR,DL	6.400
					1,1,1-Trichloroethane	7.70 CR,DL	6.400
					Trichloroethene	1360.00	8.100
					Tetrachloroethene	19.40	1.500
S35P21	10/29/90	NS	NS	2	Total 1,2-Dichloroethene	4.20 HB,DL	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	101.00	0.810
					Tetrachloroethene	12.30	0.150
S35P22	10/30/90	NS	NS	2	Total 1,2-Dichloroethene	2.40 HB,DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
PRL T-8							
T8P01	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	14.40 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	1.20	0.150
					Unknown-1	384.00	NA

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL T-8							
T8P01	11/08/90	NS	NS	1	Unknown-2	373.00	NA
T8P02	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	167.00 HB,CP	30.00
					Chloroform	29.30 HB,CR,DL	6.400
					1,1,1-Trichloroethane	29.30 HB,CR,DL	6.400
					Trichloroethene	15.40 HB,DL	8.100
					Tetrachloroethene	26.30 HB	1.500
					p-Xylene	42500.00	2240.0
					Unknown Hydrocarbon-1	475000.0	NA
					Unknown Hydrocarbon-2	280000.0	NA
					Unknown Hydrocarbon-3	252000.0	NA
	11/08/90	FD	NS	1	Total 1,2-Dichloroethene	177.00 HB,CP	30.00
					Chloroform	31.00 HB,CR,DL	6.400
					1,1,1-Trichloroethane	31.00 HB,CR,DL	6.400
					Trichloroethene	90.10 HB	8.100
					Tetrachloroethene	27.00 HB	1.500
					p-Xylene	46300.00	2240.0
					Unknown Hydrocarbon-1	484000.0	NA
					Unknown Hydrocarbon-2	284000.0	NA
					Unknown Hydrocarbon-3	261000.0	NA
T8P03	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	178.00 HB,CP	30.00
					Chloroform	32.00 HB,CR	6.400
					1,1,1-Trichloroethane	32.00 HB,CR	6.400
					Trichloroethene	17.00 HB,DL	8.100
					Tetrachloroethene	21.10 HB	1.500
					p-Xylene	61300.00	2240.0
					Unknown Hydrocarbon-1	597000.0	NA
					Unknown Hydrocarbon-2	364000.0	NA
					Unknown Hydrocarbon-3	317000.0	NA
T8P04	11/29/90	NS	NS	1	Chloroform	0.30 CR,DL	0.640
					1,1,1-Trichloroethane	0.30 CR,DL	0.640
					Trichloroethene	3.60 DL	0.810
					Tetrachloroethene	4.70	0.150
PRL T-45							
T45P01	09/21/90	NS	NS	1	Total 1,2-Dichloroethene	16.10 DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
PRL T-45							
T45P01	09/21/90	NS	NS	1	Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	2.60	0.150
					p-Xylene	344.00 BC,DL	224.0
			LD	1	Total 1,2-Dichloroethene	19.50	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	1.90	0.150
PRL T-46							
T46P01	11/06/90	NS	NS	2	Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Trichloroethene	1.30 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
T46P02	11/06/90	NS	NS	2	Total 1,2-Dichloroethene	15.20 HB,Q	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
					p-Xylene	388.00 DL	224.0
					Unknown-1	999.00	NA
SA-1							
SA1P01	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	7.40 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	40.90	0.810
					Tetrachloroethene	31.40	0.150
SA1P02	11/06/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-1							
SA1P02	11/06/90	NS	NS	2	Trichloroethene	7.40 BD	0.810
					Tetrachloroethene	0.90	0.150
SA1P03	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	3.40 HB,Q,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Tetrachloroethene	0.50 DL	0.150
SA1P04	11/06/90	NS	NS	2	Total 1,2-Dichloroethene	10.60 HB,Q,DL	3.00
					Chloroform	4.10 CR	0.640
					1,1,1-Trichloroethane	4.10 CR	0.640
					Trichloroethene	10.00	0.810
					Tetrachloroethene	1.60	0.150
			LD	2	Total 1,2-Dichloroethene	9.10 HB,Q,DL	3.00
					Chloroform	4.20 CR	0.640
					1,1,1-Trichloroethane	4.20 CR	0.640
					Trichloroethene	9.40	0.810
					Tetrachloroethene	1.20	0.150
SA-2							
SA2P01	10/31/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	1.70	0.150
SA2P02	10/31/90	NS	NS	2	Chloroform	3.30 CR	0.640
					1,1,1-Trichloroethane	3.30 CR	0.640
					Trichloroethene	54.50	0.810
					Tetrachloroethene	0.70 DL	0.150
SA2P03	10/31/90	NS	NS	2	Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	28.70	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-2							
SA2P03	10/31/90	NS	NS	2	Tetrachloroethene	0.80	0.150
	10/31/90	FD	NS	2	Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	28.80	0.810
					Tetrachloroethene	0.70 DL	0.150
SA2P04	10/31/90	NS	NS	2	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	123.00	0.810
					Tetrachloroethene	0.30 DL	0.150
SA2P05	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	5.90 BD,Q,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	12.30	0.810
					Tetrachloroethene	1.80	0.150
SA2P07	11/30/90	NS	NS	2	Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
	11/30/90	FD	NS	2	Total 1,2-Dichloroethene	5.70 Q,BD,DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	36.60	0.810
					Tetrachloroethene	0.50 DL	0.150
SA2P08	11/26/90	NS	NS	2	Chloroform	9.00 CR,Q	0.640
					1,1,1-Trichloroethane	9.00 CR,Q	0.640
					Trichloroethene	15.90	0.810
					Tetrachloroethene	1.70	0.150
			LD	2	Chloroform	8.20 CR,Q	0.640
					1,1,1-Trichloroethane	8.20 CR,Q	0.640
					Trichloroethene	16.40	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-2							
SA2P08	11/26/90	NS	LD	2	Tetrachloroethene	0.90	0.150
SA2P10	11/26/90	NS	NS	2	Chloroform	0.70 DL,Q,CR	0.640
					1,1,1-Trichloroethane	0.70 DL,Q,CR	0.640
					Trichloroethene	6.50	0.810
					Tetrachloroethene	2.10	0.150
SA-3							
SA3P01	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	27.20 HB	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	14.40	0.150
SA3P02	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	16.00	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	8.30	0.150
			LD	2	Total 1,2-Dichloroethene	23.60	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	6.60	0.150
SA3P03	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	46.00 HB	3.00
					Chloroform	15.10 CR	0.640
					1,1,1-Trichloroethane	15.10 CR	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	59.30	0.150
			LD	1	Total 1,2-Dichloroethene	31.00 HB	3.00
					Chloroform	14.70 CR	0.640
					1,1,1-Trichloroethane	14.70 CR	0.640
					Trichloroethene	2.40 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-3							
SA3P03	09/27/90	NS	LD	1	Tetrachloroethene	57.20	0.150
SA3P04	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	20.00 HB	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	8.30	0.810
					Tetrachloroethene	16.10	0.150
SA3P05	11/16/90	NS	NS	1	Chloroform	294.00 CR	1.600
					1,1,1-Trichloroethane	294.00 CR	1.600
					Trichloroethene	1.00 DL	2.025
					Tetrachloroethene	15.40	0.375
SA3P06	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	2.90 HB,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Tetrachloroethene	0.60 DL	0.150
SA3P07	11/16/90	NS	NS	1	Total 1,2-Dichloroethene	6.30 Q,DL	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
SA3P08	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	25.70 CP,Q	3.00
					Chloroform	9.40 CR	0.640
					1,1,1-Trichloroethane	9.40 CR	0.640
					Trichloroethene	4.50 BD	0.810
					Tetrachloroethene	2.40	0.150
					Unknown-1	353.00	NA
SA-4							
SA4P01	10/12/90	NS	NS	1	Total 1,2-Dichloroethene	9.30 HB,DL	3.00
					Chloroform	4.50 CR	0.640

(Continued)

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-4							
SA4P01	10/12/90	NS	NS	1	1,1,1-Trichloroethane	4.50 CR	0.640
					Trichloroethene	2.80 HB,DL	0.810
					Tetrachloroethene	3.20	0.150
SA4P02	10/12/90	NS	NS	1	Total 1,2-Dichloroethene	3.10 HB,DL	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
SA4P03	10/12/90	NS	NS	2	Total 1,2-Dichloroethene	10.80 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	3.40 DL	0.810
					Tetrachloroethene	1.10	0.150
SA4P04	10/12/90	NS	NS	1	Total 1,2-Dichloroethene	7.20 HB,DL	3.00
					Chloroform	6.30 CR	0.640
					1,1,1-Trichloroethane	6.30 CR	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
					Unknown-1	435.00	NA
					Unknown-2	196.00	NA
SA4P05	10/12/90	NS	NS	2	Total 1,2-Dichloroethene	11.50 HB,DL	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	7.80	0.810
					Tetrachloroethene	0.40 DL	0.150
			LD	2	Total 1,2-Dichloroethene	10.80 HB,DL	3.00
					Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	7.30	0.810
					Tetrachloroethene	0.70 DL	0.150
SA4P06	10/11/90	NS	NS	2	Chloroform	2.10 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-4							
SA4P06	10/11/90	NS	NS	2	1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	4.30	0.150
SA4P07	10/11/90	NS	NS	2	Chloroform	0.20 CR,DL	0.640
					1,1,1-Trichloroethane	0.20 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	3.20	0.150
SA4P08	10/11/90	NS	NS	1	Total 1,2-Dichloroethene	4.10 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
SA4P09	10/11/90	NS	NS	1	Total 1,2-Dichloroethene	9.90 HB	3.00
					Chloroform	6.80 CR	0.640
					1,1,1-Trichloroethane	6.80 CR	0.640
					Tetrachloroethene	0.50 DL	0.150
SA4P10	10/11/90	NS	NS	1	Total 1,2-Dichloroethene	3.10 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	2.50 HB,DL	0.810
					Tetrachloroethene	0.40 DL	0.150
SA4P11	10/11/90	NS	NS	2	Chloroform	3.10 CR,DL	6.400
					1,1,1-Trichloroethane	3.10 CR,DL	6.400
					Trichloroethene	18.00 DL	8.100
					Tetrachloroethene	1200.00 X	1.500
SA4P12	10/11/90	NS	NS	2	Total 1,2-Dichloroethene	9.60 HB,DL	3.00
					Chloroform	8.10 CR	0.640
					1,1,1-Trichloroethane	8.10 CR	0.640
					Trichloroethene	2.60 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-4							
SA4P12	10/11/90	NS	NS	2	Tetrachloroethene	43.00	0.150
SA4P13	10/11/90	NS	NS	1	Total 1,2-Dichloroethene	5.20 HB,DL	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Tetrachloroethene	0.20 DL	0.150
SA4P14	10/11/90	NS	NS	1	Chloroform	3.80 CR	0.640
					1,1,1-Trichloroethane	3.80 CR	0.640
					Trichloroethene	10.20 HB	0.810
					Tetrachloroethene	27.00	0.150
SA4P15	10/11/90	NS	NS	2	Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	3.00 BD,DL	0.810
					Tetrachloroethene	6.30 BD	0.150
			LD	2	Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	7.10 BD	0.810
					Tetrachloroethene	3.50 BD	0.150
SA4P16	10/11/90	NS	NS	2	Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	4.00	0.150
SA4P17	10/12/90	NS	NS	2	Total 1,2-Dichloroethene	11.00 HB,DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Tetrachloroethene	0.90	0.150
SA4P18	10/12/90	NS	NS	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Tetrachloroethene	0.70 DL	0.150

(Continued)



TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-4							
SA4P19	11/19/90	NS	NS	1	Trichloroethene	5.00 DL	8.100
					Tetrachloroethene	1650.00 X	1.500
SA4P20	11/19/90	NS	NS	1	Total 1,2-Dichloroethene	41.00	3.00
					Chloroform	4.40 CR	0.640
					1,1,1-Trichloroethane	4.40 CR	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	85.10	0.150
					Toluene	1220.00	127.0
SA4P21	11/19/90	NS	NS	2	Total 1,2-Dichloroethene	12.60 HB,DL	3.00
					Chloroform	2.50 BC,DL,CR	0.640
					1,1,1-Trichloroethane	2.50 BC,DL,CR	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	112.00	0.150
SA4P22	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	60.10 Q	7.50
					Chloroform	3.30 CR,DL	1.600
					1,1,1-Trichloroethane	3.30 CR,DL	1.600
					Trichloroethene	2.80 DL	2.025
					Tetrachloroethene	111.00	0.375
SA4P23	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	34.60 Q,DL	30.00
					Chloroform	4.10 CR,DL	6.400
					1,1,1-Trichloroethane	4.10 CR,DL	6.400
					Trichloroethene	8.30 DL	8.100
					Tetrachloroethene	2840.00 X	1.500
SA4P24	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	32.30	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	6.60	0.150
SA4P25	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	70.20 HB,Q	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-4							
SA4P25	12/04/90	NS	NS	1	Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	3.90	0.150
					p-Xylene	191.00 DL	224.0
SA4P26	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	44.20 HB,Q	3.00
					Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	2.20	0.150
			LD	1	Total 1,2-Dichloroethene	46.30 HB,Q	3.00
					Chloroform	4.10 CR	0.640
					1,1,1-Trichloroethane	4.10 CR	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	2.60	0.150
SA-5							
SA5P02	11/12/90	NS	NS	2	Total 1,2-Dichloroethene	12.80 HB,DL	7.50
					Chloroform	3.10 CR,DL	1.600
					1,1,1-Trichloroethane	3.10 CR,DL	1.600
					Trichloroethene	4.50 DL	2.025
					Tetrachloroethene	141.00	0.375
SA5P03	11/12/90	NS	NS	1	Total 1,2-Dichloroethene	7.00 HB,Q,DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	2.40	0.150
SA5P04	11/12/90	NS	NS	2	Total 1,2-Dichloroethene	2.90 HB,DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	43.70	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-5							
SA5P04	11/12/90	NS	NS	2	p-Xylene o-Xylene	338.00 DL 239.00 DL	224.0 242.0
SA5P05	11/29/90	NS	NS	1	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	12.10 HB,DL 2.40 CR,DL 2.40 CR,DL 0.60 DL 1.80	3.00 0.640 0.640 0.810 0.150
SA5P06	11/29/90	NS	NS	1	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	14.20 HB,DL 2.80 CR,DL 2.80 CR,DL 0.60 DL 12.80	3.00 0.640 0.640 0.810 0.150
SA5P07	11/29/90	NS	NS	2	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	21.90 HB,Q 2.80 CR,DL 2.80 CR,DL 4.60 64.20	3.00 0.640 0.640 0.810 0.150
			LD	2	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	21.10 HB,Q 3.00 CR,DL 3.00 CR,DL 4.20 64.30	3.00 0.640 0.640 0.810 0.150
SA-6							
SA6P01	11/19/90	NS	NS	2	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Tetrachloroethene	3.10 HB,DL 1.10 CR,DL 1.10 CR,DL 3.60	3.00 0.640 0.640 0.150
SA6P02	11/19/90	NS	NS	2	Total 1,2-Dichloroethene Chloroform	4.60 DL 0.60 CR,DL	3.00 0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-6							
SA6P02	11/19/90	NS	NS	2	1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	1.30	0.150
SA6P03	11/19/90	NS	NS	1	Total 1,2-Dichloroethene	20.50	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	2.90	0.150
					Toluene	5290.00 DL	127.0
					Unknown-1	236.00	NA
SA6P04	11/19/90	NS	NS	1	Total 1,2-Dichloroethene	14.90 DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	9.20	0.150
SA6P06	11/29/90	NS	NS	1	Total 1,2-Dichloroethene	25.80 HB	3.00
					Chloroform	2.60 CR,DL	0.640
					1,1,1-Trichloroethane	2.60 CR,DL	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	3.30	0.150
			LD	1	Total 1,2-Dichloroethene	27.10 HB	3.00
					Chloroform	4.00 CR,DL	0.640
					1,1,1-Trichloroethane	4.00 CR,DL	0.640
					Trichloroethene	6.10 BD	0.810
					Tetrachloroethene	4.00	0.150
SA-7							
SA7P01	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	6.20 DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	54.30	0.810
					Tetrachloroethene	1.20	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-7							
SA7P01	09/28/90	NS	LD	2	Total 1,2-Dichloroethene	6.20 DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	31.90	0.810
					Tetrachloroethene	0.70 DL	0.150
SA7P02	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	5.90 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	2.70	0.150
					Unknown-1	117.00	NA
SA7P03	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	5.90 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	2.30	0.150
					Unknown-1	4070.00	NA
	09/28/90	FD	NS	2	Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	3.30	0.150
SA7P04	09/28/90	NS	NS	2	Chloroform	3.80 CR	0.640
					1,1,1-Trichloroethane	3.80 CR	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	7.70	0.150
					p-Xylene	140.00 DL	224.0
					o-Xylene	139.00 DL	242.0
					Unknown-1	16300.00	NA
SA7P05	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 DL	3.00
					Chloroform	1.20 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-7							
SA7P05	09/28/90	NS	NS	2	1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
					Unknown-1	17.50	NA
SA7P06	09/28/90	NS	NS	2	Chloroform	38.60 CR	0.640
					1,1,1-Trichloroethane	38.60 CR	0.640
					Trichloroethene	1.90 DL	0.810
					Tetrachloroethene	61.60	0.150
SA7P07	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	15.90	3.00
					Chloroform	8.60 CR	0.640
					1,1,1-Trichloroethane	8.60 CR	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	4.90	0.150
					Unknown-1	276.00	NA
SA7P08	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	310.00 HB	15.00
					Chloroform	2300.00 D	3.200
					1,1,1-Trichloroethane	2300.00 D	3.200
					Trichloroethene	315.00	4.050
					Tetrachloroethene	1570.00 D	0.750
					Toluene	273000.0 D	635.0
					p-Xylene	7720.00	1120.0
					o-Xylene	1840.00 DL	1210.0
					Freon 113	5960000	NA
					Methylcyclohexane	7530.00	NA
SA7P10	11/16/90	NS	NS	1	Chloroform	40.40 CR	1.600
					1,1,1-Trichloroethane	40.40 CR	1.600
					Trichloroethene	200.00	2.025
					Tetrachloroethene	125.00	0.375
	11/16/90	FD	NS	1	Chloroform	37.10 CR	1.600
					1,1,1-Trichloroethane	37.10 CR	1.600
					Trichloroethene	208.00	2.025
					Tetrachloroethene	134.00	0.375

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-7							
SA7P11	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	4.30 HB,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	1.70	0.150
SA7P12	11/16/90	NS	NS	2	Total 1,2-Dichloroethene	6.30 HB,DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	3.80	0.150
SA7P13	11/16/90	NS	NS	1	Total 1,2-Dichloroethene	15.50 Q	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	3.30 DL	0.810
					Tetrachloroethene	24.90	0.150
SA7P14	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	254.00 Q	30.00
					Chloroform	38.30 CR	6.400
					1,1,1-Trichloroethane	38.30 CR	6.400
					Trichloroethene	975.00	8.100
					Tetrachloroethene	207.00	1.500
SA7P15	12/04/90	NS	NS	1	Total 1,2-Dichloroethene	195.00 Q,HB	30.00
					Chloroform	9.20 CR,DL	6.400
					1,1,1-Trichloroethane	9.20 CR,DL	6.400
					Trichloroethene	507.00	8.100
					Tetrachloroethene	28.30	1.500
SA7P16	12/04/90	NS	NS	1	Chloroform	4.30 CR,DL	6.400
					1,1,1-Trichloroethane	4.30 CR,DL	6.400
					Trichloroethene	144.00	8.100
					Tetrachloroethene	980.00	1.500

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-8							
SA8P01	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	20.00 HB	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	3.40 DL	0.810
					Tetrachloroethene	1.00	0.150
					p-Xylene	190.00 DL	224.0
SA8P02	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	22.00 HB	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	1.20	0.150
					p-Xylene	574.00 BD,DL	224.0
SA-9							
SA9P01	09/28/90	NS	NS	2	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
SA9P02	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	1.90	0.150
SA9P03	09/28/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	3.50 DL	0.810
					Tetrachloroethene	1.80	0.150
SA9P04	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	38.00 HB	3.00

(Continued)

TABLE 9-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-9							
SA9P04	09/27/90	NS	NS	1	Chloroform	4.00 CR	0.640
					1,1,1-Trichloroethane	4.00 CR	0.640
					Trichloroethene	18.30	0.810
					Tetrachloroethene	1.50	0.150
SA9P05	09/27/90	NS	NS	1	Total 1,2-Dichloroethene	21.60 HB	3.00
					Chloroform	4.20 CR	0.640
					1,1,1-Trichloroethane	4.20 CR	0.640
					Trichloroethene	85.90	0.810
					Tetrachloroethene	1.20	0.150
SA9P06	11/19/90	NS	NS	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
					p-Xylene	304.00 DL	224.0
SA9P07	11/19/90	NS	NS	2	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.80 DL	0.150
SA9P08	11/20/90	NS	NS	2	Total 1,2-Dichloroethene	32.00	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	1.80	0.150
					Toluene	1705.00 DL	127.0
SA9P09	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	27.60 BD,Q,CP	3.00
					Chloroform	9.20 CR	0.640
					1,1,1-Trichloroethane	9.20 CR	0.640
					Trichloroethene	7.00	0.810
					Tetrachloroethene	11.40	0.150
					Toluene	369.00 DL	127.0
SA9P10	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	8.70 BD,Q,DL	3.00

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TABLE B-1 (Continued)

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-10							
SA10P03	11/28/90	NS	NS	1	Tetrachloroethene	167.00	0.375
SA10P04	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	68.60	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	23.40	0.810
					Tetrachloroethene	77.90	0.150
SA10P05	12/10/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 BD,DL	3.00
					Chloroform	4.50 CR	0.640
					1,1,1-Trichloroethane	4.50 CR	0.640
					Tetrachloroethene	0.80 DL	0.150
SA10P06	12/10/90	NS	NS	1	Total 1,2-Dichloroethene	10.00 HB,DL	3.00
					Chloroform	3.10 CR,DL	0.640
					1,1,1-Trichloroethane	3.10 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	2.40	0.150
SA10P07	12/10/90	NS	NS	1	Total 1,2-Dichloroethene	2.10 DL	3.00
					Chloroform	6.40 CR	0.640
					1,1,1-Trichloroethane	6.40 CR	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	45.20	0.150
			LD	1	Total 1,2-Dichloroethene	2.10 DL	3.00
					Chloroform	6.40 CR	0.640
					1,1,1-Trichloroethane	6.40 CR	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	44.40	0.150
SA10P08	12/10/90	NS	NS	2	Total 1,2-Dichloroethene	7.70 BD,DL	3.00
					Chloroform	3.80 CR	0.640
					1,1,1-Trichloroethane	3.80 CR	0.640
					Trichloroethene	2.50 DL	0.810
					Tetrachloroethene	59.60	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-10							
SA10P08	12/10/90	NS	LD	2	Total 1,2-Dichloroethene	10.40 BD,DL	3.00
					Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	9.10 BD	0.810
					Tetrachloroethene	59.50	0.150
SA-11							
SA11P01	11/19/90	NS	NS	1	Chloroform	2.40 CR,DL	1.600
					1,1,1-Trichloroethane	2.40 CR,DL	1.600
					Trichloroethene	143.00	2.025
					Tetrachloroethene	69.80	0.375
			LD	1	Chloroform	3.60 CR,DL	1.600
					1,1,1-Trichloroethane	3.60 CR,DL	1.600
					Trichloroethene	140.00	2.025
					Tetrachloroethene	68.80	0.375
SA11P02	11/19/90	NS	NS	2	Total 1,2-Dichloroethene	40.00	3.00
					Chloroform	1.20 BC,DL,CR	0.640
					1,1,1-Trichloroethane	1.20 BC,DL,CR	0.640
					Trichloroethene	14.90	0.810
					Tetrachloroethene	2.40 BC	0.150
					Unknown-1	631.00	NA
SA11P04	10/01/90	NS	NS	2	Total 1,2-Dichloroethene	2.50 DL	3.00
					Chloroform	8.50 CR	0.640
					1,1,1-Trichloroethane	8.50 CR	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	7.70	0.150
					p-Xylene	423.00 DL	224.0
SA11P05	10/01/90	NS	NS	2	Total 1,2-Dichloroethene	8.60 DL	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	12.10	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-11							
SA11P05	10/01/90	NS	NS	2	Tetrachloroethene	4.60	0.150
SA11P06	10/01/90	NS	NS	2	Total 1,2-Dichloroethene	4.50 DL	3.00
					Chloroform	23.20 CR	0.640
					1,1,1-Trichloroethane	23.20 CR	0.640
					Trichloroethene	81.00	0.810
					Tetrachloroethene	34.00	0.150
					p-Xylene	311.00 80,DL	224.0
SA11P07	10/01/90	NS	NS	1	Total 1,2-Dichloroethene	15.00 HB	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	2.30	0.150
			LD	2	Total 1,2-Dichloroethene	17.90	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.30 DL	0.810
					Tetrachloroethene	3.20	0.150
SA11P08	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	23.70 Q	3.00
					Chloroform	5.30 CR	0.640
					1,1,1-Trichloroethane	5.30 CR	0.640
					Trichloroethene	3.70 DL	0.810
					Tetrachloroethene	4.20	0.150
SA11P09	11/30/90	NS	NS	2	Total 1,2-Dichloroethene	12.20 80,Q,DL	3.00
					Chloroform	5.50 CR	0.640
					1,1,1-Trichloroethane	5.50 CR	0.640
					Trichloroethene	15.10	0.810
					Tetrachloroethene	1.10	0.150
					Methanol	8500.00	NA
SA11P10	11/30/90	NS	NS	2	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-11							
SA11P10	11/30/90	NS	NS	2	Trichloroethene	10.90	0.810
					Tetrachloroethene	18.00	0.150
SA-12							
SA12P01	10/03/90	NS	NS	2	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
			LD	2	Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
SA12P02	10/03/90	NS	NS	1	Total 1,2-Dichloroethene	4.10 DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	1.40	0.150
SA12P03	10/15/90	NS	NS	2	Total 1,2-Dichloroethene	3.40 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
SA12P04	10/15/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 HB,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	1.00	0.150
SA12P05	10/15/90	NS	NS	2	Total 1,2-Dichloroethene	6.50 HB,DL	3.00
					Chloroform	0.90 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P05	10/15/90	NS	NS	2	1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
SA12P06	10/05/90	NS	NS	2	Total 1,2-Dichloroethene	10.70 HB,DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	3.10	0.150
					p-Xylene	317.00 BD,DL	224.0
					o-Xylene	309.00 BD,DL	242.0
SA12P07	10/05/90	NS	NS	1	Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.10 DL	0.150
SA12P08	10/05/90	NS	NS	1	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
SA12P09	10/05/90	NS	NS	1	Total 1,2-Dichloroethene	4.40 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	45.10	0.810
					Tetrachloroethene	0.50 DL	0.150
SA12P10	10/03/90	NS	NS	1	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	5.80	0.810
					Tetrachloroethene	0.70 DL	0.150
			LD	1	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	4.10	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P10	10/03/90	NS	LD	1	Tetrachloroethene	0.70 DL	0.150
SA12P11	10/03/90	NS	NS	2	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	3.30 DL	0.810
					Tetrachloroethene	1.30	0.150
					p-Xylene	145.00 DL	224.0
SA12P12	10/04/90	NS	NS	2	Total 1,2-Dichloroethene	8.00 DL	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	5.80	0.810
					Tetrachloroethene	1.50	0.150
			LD	2	Total 1,2-Dichloroethene	8.00 DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	0.70 DL	0.150
SA12P13	10/04/90	NS	NS	1	Total 1,2-Dichloroethene	5.40 HB,DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	51.70	0.810
					Tetrachloroethene	0.60 DL	0.150
SA12P14	10/05/90	NS	NS	2	Total 1,2-Dichloroethene	4.00 DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
SA12P15	10/05/90	NS	NS	2	Total 1,2-Dichloroethene	13.90 DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P15	10/05/90	NS	NS	2	Trichloroethene	25.10	0.810
					Tetrachloroethene	1080.00 D,X	0.150
SA12P16	10/05/90	NS	NS	2	Chloroform	3.00 CR,DL	1.280
					1,1,1-Trichloroethane	3.00 CR,DL	1.280
					Trichloroethene	11.50	1.620
					Tetrachloroethene	22.50	0.300
SA12P17	10/03/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	1.80	0.150
					o-Xylene	6500.00 HB	242.0
			LD	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	1.50	0.150
					p-Xylene	214.00 DL	224.0
					o-Xylene	225.00 DL	242.0
SA12P17R	11/19/90	NS	NS	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.80 DL	0.150
SA12P18	10/02/90	NS	NS	2	Total 1,2-Dichloroethene	5.60 DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
					p-Xylene	165.00 BD,DL	224.0
SA12P19	10/02/90	NS	NS	2	Total 1,2-Dichloroethene	21.10	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P19	10/02/90	NS	NS	2	Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	1.30	0.150
SA12P20	10/05/90	NS	NS	2	Total 1,2-Dichloroethene	2.70 BD,DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
					p-Xylene	165.00 DL	224.0
					o-Xylene	4000.00 BD	242.0
SA12P21	10/04/90	NS	NS	2	Total 1,2-Dichloroethene	16.00	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
SA12P22	10/04/90	NS	NS	1	Total 1,2-Dichloroethene	11.60 HB,DL	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	1.00	0.150
					p-Xylene	147.00 DL	224.0
					o-Xylene	149.00 DL	242.0
SA12P23	10/05/90	NS	NS	2	Total 1,2-Dichloroethene	21.40 HB	3.00
					Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	1.90	0.150
					Benzene	229.00 BD,DL	252.0
SA12P24	10/05/90	NS	NS	1	Total 1,2-Dichloroethene	4.40 HB,DL	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	2.80 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P24	10/05/90	NS	NS	1	Tetrachloroethene	0.30 DL	0.150
SA12P25	10/03/90	NS	NS	1	Total 1,2-Dichloroethene	4.10 HB,DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
					p-Xylene	298.00 DL	224.0
SA12P26	10/02/90	NS	NS	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	0.70 DL	0.150
SA12P27	10/02/90	NS	NS	1	Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Trichloroethene	9.90	0.810
					Tetrachloroethene	0.60 DL	0.150
					p-Xylene	260.00 BD,DL	224.0
SA12P28	10/03/90	NS	NS	1	Total 1,2-Dichloroethene	4.10 DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	1.60	0.150
SA12P29	10/02/90	NS	NS	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SA12P30	10/02/90	NS	NS	2	Total 1,2-Dichloroethene	9.00 DL	3.00
					Chloroform	1.70 CR,DL	0.640
					1,1,1-Trichloroethane	1.70 CR,DL	0.640
					Trichloroethene	5.10	0.810

(Continued)



TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P30	10/02/90	NS	NS	2	Tetrachloroethene	0.70 DL	0.150
			LD	2	Total 1,2-Dichloroethene	7.90 DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	3.00 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
	10/02/90	FD	NS	2	Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	3.40 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
SA12P31	10/10/90	NS	NS	2	Total 1,2-Dichloroethene	12.20 BD,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	8.40	0.810
					Tetrachloroethene	56.00	0.150
SA12P32	10/10/90	NS	NS	1	Total 1,2-Dichloroethene	15.40	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	5.70	0.150
SA12P33	10/10/90	NS	NS	1	Total 1,2-Dichloroethene	15.40	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	37.40	0.810
			LD	1	Total 1,2-Dichloroethene	12.40 DL	3.00
					Chloroform	3.20 CR	0.640
					1,1,1-Trichloroethane	3.20 CR	0.640
					Trichloroethene	33.20	0.810
					Tetrachloroethene	0.50 DL	0.150
SA12P34	10/10/90	NS	NS	2	Chloroform	10.00 CR,DL	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P34	10/10/90	NS	NS	2	1,1,1-Trichloroethane	10.00 CR,DL	6.400
					Tetrachloroethene	75.70	1.500
SA12P35	10/15/90	NS	NS	1	Total 1,2-Dichloroethene	36.60	3.00
					Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	3.80 DL	0.810
					Tetrachloroethene	2.00	0.150
SA12P36	10/15/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	36.20	0.150
					p-Xylene	200.00 DL	224.0
					o-Xylene	206.00 DL	242.0
			LD	2	Total 1,2-Dichloroethene	6.70 HB,DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	35.70	0.150
					p-Xylene	168.00 DL	224.0
SA12P37	10/15/90	NS	NS	1	Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
SA12P38	10/16/90	NS	NS	1	Total 1,2-Dichloroethene	4.70 DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	5.50	0.150
SA12P39	10/16/90	NS	NS	1	Total 1,2-Dichloroethene	2.40 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-12							
SA12P39	10/16/90	NS	NS	1	Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	37.40	0.150
SA12P40	10/16/90	NS	NS	1	Total 1,2-Dichloroethene	4.70 DL	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	10.80	0.810
					Tetrachloroethene	0.30 DL	0.150
SA12P41	10/16/90	NS	NS	1	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Tetrachloroethene	0.10 DL	0.150
SA12P42	10/16/90	NS	NS	2	Total 1,2-Dichloroethene	7.40 DL	3.00
					Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	8.90	0.150
SA12P43	10/17/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	0.80	0.150
SA-14							
SA14P03	10/10/90	NS	NS	2	Total 1,2-Dichloroethene	4.10 BD,DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	77.60	0.810
					Tetrachloroethene	0.60 DL	0.150
			LD	1	Chloroform	1.60 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-14							
SA14P03	10/10/90	NS	LD	1	1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	39.00	0.810
					Tetrachloroethene	0.60 DL	0.150
					p-Xylene	179.00 DL	224.0
SA14P04	10/10/90	NS	NS	2	Total 1,2-Dichloroethene	31.10 BD	3.00
					Chloroform	31.70 CR	0.640
					1,1,1-Trichloroethane	31.70 CR	0.640
					Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	3.50	0.150
					p-Xylene	320.00 DL	224.0
SA14P05	10/09/90	NS	NS	1	Chloroform	25.00 CR	0.640
					1,1,1-Trichloroethane	25.00 CR	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
SA14P08	10/09/90	NS	NS	1	Total 1,2-Dichloroethene	7.30 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	4.30	0.810
					Tetrachloroethene	1.10	0.150
SA14P11	10/02/90	NS	NS	2	Chloroform	15.70 CR,DL	6.400
					1,1,1-Trichloroethane	15.70 CR,DL	6.400
					Trichloroethene	3536.00 D	8.100
					Tetrachloroethene	160.00 D	1.500
SA14P12	10/09/90	NS	NS	2	Total 1,2-Dichloroethene	8.40 HB	3.00
					Chloroform	3.20 CR	0.640
					1,1,1-Trichloroethane	3.20 CR	0.640
					Trichloroethene	6.70	0.810
					Tetrachloroethene	1.20	0.150
					p-Xylene	208.00 DL	224.0
			LD	2	Total 1,2-Dichloroethene	9.60 HB	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-14							
SA14P12	10/09/90	NS	LD	2	Chloroform	6.90 CR	0.640
					1,1,1-Trichloroethane	6.90 CR	0.640
					Trichloroethene	4.60	0.810
					Tetrachloroethene	1.90	0.150
					p-Xylene	255.00 DL	224.0
					o-Xylene	223.00 DL	242.0
SA14P13	10/01/90	NS	NS	2	Total 1,2-Dichloroethene	10.50 DL	3.00
					Chloroform	4.70 CR	0.640
					1,1,1-Trichloroethane	4.70 CR	0.640
					Trichloroethene	78.50	0.810
					Tetrachloroethene	21.60	0.150
					Toluene	259.00 DL	127.0
					p-Xylene	520.00 DL	224.0
					o-Xylene	400.00 DL	242.0
			LD	1	Total 1,2-Dichloroethene	17.30	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	98.70	0.810
					Tetrachloroethene	22.30	0.150
SA14P14	10/09/90	NS	NS	1	Total 1,2-Dichloroethene	11.80 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
SA14P16	10/10/90	NS	NS	1	Total 1,2-Dichloroethene	17.50 HB	3.00
					Chloroform	5.10 CR	0.640
					1,1,1-Trichloroethane	5.10 CR	0.640
					Trichloroethene	11.40	0.810
					Tetrachloroethene	0.50 DL	0.150
					Unknown-1	242.00	NA
SA14P17	10/24/90	NS	NS	1	Chloroform	4.30 CR	0.640
					1,1,1-Trichloroethane	4.30 CR	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-14							
SA14P17	10/24/90	NS	NS	1	Trichloroethene	80.30	0.810
					Tetrachloroethene	13.80	0.150
					p-Xylene	887.00 DL	224.0
					o-Xylene	556.00 DL	242.0
SA14P18	10/24/90	NS	NS	1	Total 1,2-Dichloroethene	45.10 HB,Q	3.00
					Chloroform	275.00 HB,CR	0.640
					1,1,1-Trichloroethane	275.00 HB,CR	0.640
					Trichloroethene	6110.00 HB,D	0.810
					Tetrachloroethene	3490.00 HB	0.150
					Benzene	423.00 DL	252.0
SA14P19	11/21/90	NS	NS	2	Chloroform	70.60 CR	3.200
					1,1,1-Trichloroethane	70.60 CR	3.200
					Trichloroethene	458.00	4.050
					Tetrachloroethene	351.00	0.750
					Toluene	6195.00 DL	635.0
	11/21/90	FD	NS	2	Total 1,2-Dichloroethene	6.80 DL	15.00
					Chloroform	122.00 CR	3.200
					1,1,1-Trichloroethane	122.00 CR	3.200
					Trichloroethene	653.00	4.050
					Tetrachloroethene	626.00	0.750
					Toluene	3670.00 DL	635.0
SA-15							
SA15P01	11/28/90	NS	NS	2	Total 1,2-Dichloroethene	15.80 HB,Q	3.00
					Chloroform	4.40 CR,HB	0.640
					1,1,1-Trichloroethane	4.40 CR,HB	0.640
					Trichloroethene	5.30 HB	0.810
					Tetrachloroethene	4.60 HB	0.150
	11/28/90	FD	NS	2	Total 1,2-Dichloroethene	126.00 HB,Q	3.00
					Chloroform	4.70 CR,HB	0.640
					1,1,1-Trichloroethane	4.70 CR,HB	0.640
					Trichloroethene	4.60 HB	0.810
					Tetrachloroethene	4.80 HB	0.150

(Continued)

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-15							
SA15P02	11/28/90	NS	NS	2	Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	9.00	0.810
					Tetrachloroethene	37.30	0.150
		LD	2	Chloroform	0.80 CR,DL	0.640	
				1,1,1-Trichloroethane	0.80 CR,DL	0.640	
				Trichloroethene	9.00	0.810	
				Tetrachloroethene	37.00	0.150	
SA15P03	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	16.80	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	16.80	0.810
					Tetrachloroethene	38.20	0.150
		LD	1	Total 1,2-Dichloroethene	15.20	3.00	
				Chloroform	2.00 CR,DL	0.640	
				1,1,1-Trichloroethane	2.00 CR,DL	0.640	
				Trichloroethene	16.70	0.810	
				Tetrachloroethene	38.10	0.150	
SA15P04	11/28/90	NS	NS	2	Total 1,2-Dichloroethene	4.00 BD,Q,DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	1.10 DL,BD	0.810
					Tetrachloroethene	1.70	0.150
SA-16							
SA16P01	11/09/90	NS	NS	2	Total 1,2-Dichloroethene	110.00 HB,DL	30.00
					Chloroform	96.00 CR,BC	6.400
					1,1,1-Trichloroethane	96.00 CR,BC	6.400
					Trichloroethene	148.00	8.100
					Tetrachloroethene	3.80 DL	1.500
					Unknown-1	13200.00	NA

(Continued)

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TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P01	11/09/90	NS	NS	2	Unknown-2	13700.00	NA
					Unknown-3	20600.00	NA
SA16P02	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	38.20 HB	7.50
					Chloroform	953.00 CR,X	1.600
					1,1,1-Trichloroethane	953.00 CR,X	1.600
					Tetrachloroethene	1.10 DL	0.375
					Toluene	6340.00 DL	317.5
					p-Xylene	2320.00 DL	560.0
					Unknown Hydrocarbon-1	13200.00	NA
					Unknown Hydrocarbon-2	12000.00	NA
					Unknown Hydrocarbon-3	10200.00	NA
	11/09/90	FD	NS	1	Total 1,2-Dichloroethene	55.20 HB	7.50
					Chloroform	5320.00 CR,X	1.600
					1,1,1-Trichloroethane	5320.00 CR,X	1.600
					Trichloroethene	0.70 DL	2.025
					Tetrachloroethene	3.80	0.375
					Toluene	41000.00 HB	317.5
					p-Xylene	17200.00	560.0
					o-Xylene	1390.00 DL	605.0
					Unknown Hydrocarbon-1	113000.0	NA
					Unknown Hydrocarbon-2	107000.0	NA
					Unknown Hydrocarbon-3	89500.00	NA
SA16P03	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	212.00 HB,CP	30.00
					Chloroform	39.70 HB,CR	6.400
					1,1,1-Trichloroethane	39.70 HB,CR	6.400
					Trichloroethene	24.30 HB,DL	8.100
					Tetrachloroethene	50.70	1.500
					p-Xylene	46300.00	2240.0
					Unknown Hydrocarbon-1	468000.0	NA
					Unknown Hydrocarbon-2	452000.0	NA
					Unknown Hydrocarbon-3	335000.0	NA
			LD	1	Total 1,2-Dichloroethene	204.00	30.00
					Chloroform	38.80 CR	6.400
					1,1,1-Trichloroethane	38.80 CR	6.400
					Trichloroethene	20.70 DL	8.100

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P03	11/09/90	NS	LD	1	Tetrachloroethene	30.20	1.500
					p-Xylene	48700.00	2240.0
					Unknown Hydrocarbon-1	516000.0	NA
					Unknown Hydrocarbon-2	500000.0	NA
					Unknown Hydrocarbon-3	368000.0	NA
SA16P04	11/09/90	NS	NS	1	Chloroform	128.00 HB	6.400
					1,1,1-Trichloroethane	128.00 HB	6.400
					Trichloroethene	61.00 HB	8.100
					Tetrachloroethene	87.20	1.500
					p-Xylene	238000.0	2240.0
					Unknown Hydrocarbon-1	232000.0	NA
					Unknown Hydrocarbon-2	187000.0	NA
					Unknown Hydrocarbon-3	173000.0	NA
SA16P05	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	289.00 HB,CP	30.00
					Chloroform	64.20 HB,CR	6.400
					1,1,1-Trichloroethane	64.20 HB,CR	6.400
					Tetrachloroethene	4.60 HB,DL	1.500
					Toluene	115000.0	1270.0
					p-Xylene	78800.00	2240.0
					o-Xylene	4880.00 DL	2420.0
					Unknown Hydrocarbon-1	111000.0	NA
					Unknown Hydrocarbon-2	102000.0	NA
					Unknown Hydrocarbon-3	957000.0	NA
SA16P07	11/08/90	NS	NS	2	Total 1,2-Dichloroethene	65.10 HB	3.00
					Chloroform	6.30 CR	0.640
					1,1,1-Trichloroethane	6.30 CR	0.640
					Trichloroethene	4.90 CP	0.810
					Tetrachloroethene	0.90	0.150
					p-Xylene	4209.00	224.0
					Unknown Hydrocarbon-1	14900.00	NA
					Unknown Hydrocarbon-2	10200.00	NA
					Unknown Hydrocarbon-3	6560.00	NA
SA16P08	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	7.00 DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P08	11/09/90	NS	NS	1	Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	2.20	0.150
SA16P09	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	6.80 HB,DL	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	1.60 DL	0.810
					Tetrachloroethene	1.10	0.150
SA16P12	11/08/90	NS	NS	2	Total 1,2-Dichloroethene	3.00 HB,DL	3.00
					Chloroform	3.50 BD,CR	0.640
					1,1,1-Trichloroethane	5.50 BD,CR	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
SA16P13	11/07/90	NS	NS	2	Total 1,2-Dichloroethene	346.00 X	3.00
					Chloroform	2.1 ,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	2.40	0.150
	11/07/90	FD	NS	1	Total 1,2-Dichloroethene	155.00 X	00
					Chloroform	4.60 CR	0.640
					1,1,1-Trichloroethane	4.60 CR	0.640
					Trichloroethene	2.30 DL	0.810
					Tetrachloroethene	6.20	0.150
SA16P14	11/07/90	NS	NS	2	Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	2.20	0.150
SA16P15	11/ /90	NS	NS	1	Total 1,2-Dichloroethene	24.60 HB,CP,DL	30.00
					Chloroform	32.60 CR	6.400

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P15	11/07/90	NS	NS	1	1,1,1-Trichloroethane	32.60 CR	6.400
					Trichloroethene	18.30 HB,DL	8.100
					Tetrachloroethene	38.50 HB	1.500
					p-Xylene	64800.00 X	2240.0
					Unknown Hydrocarbon-1	542000.0	NA
					Unknown Hydrocarbon-2	366000.0	NA
					Unknown Hydrocarbon-3	332000.0	NA
	11/07/90	FD	NS	1	Total 1,2-Dichloroethene	24.60 HB,CP,DL	30.00
					Chloroform	40.50 CR	6.400
					1,1,1-Trichloroethane	40.50 CR	6.400
					Trichloroethene	31.40 HB,DL	8.100
					Tetrachloroethene	49.20 HB	1.500
					p-Xylene	80600.00 X	2240.0
					Unknown Hydrocarbon-1	103000.0	NA
					Unknown Hydrocarbon-2	719000.0	NA
					Unknown Hydrocarbon-3	489000.0	NA
SA16P16	11/07/90	NS	NS	1	Total 1,2-Dichloroethene	29.80 HB,Q,DL	15.00
					Chloroform	36.40 CR	3.200
					1,1,1-Trichloroethane	36.40 CR	3.200
					Trichloroethene	39.40	4.050
					Tetrachloroethene	40.80	0.750
					p-Xylene	50400.00	1120.0
					Unknown Hydrocarbon-1	890000.0	NA
					Unknown Hydrocarbon-2	635000.0	NA
SA16P17	11/07/90	NS	NS	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	2.60	0.150
SA16P19	11/07/90	NS	NS	1	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
			LD	1	Total 1,2-Dichloroethene	5.10 Q,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P19	11/07/90	NS	LD	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Tetrachloroethene	0.30 DL	0.150
SA16P20	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	5.10 HB,Q,DL	3.00
					Chloroform	2.50 CR,HB,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,HB,DL	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	0.10 DL	0.150
SA16P23	11/06/90	NS	NS	2	Total 1,2-Dichloroethene	9.10 HB,Q,DL	3.00
					Chloroform	0.40 CR,DL	0.640
					1,1,1-Trichloroethane	0.40 CR,DL	0.640
					Trichloroethene	5.30 BD	0.810
					Tetrachloroethene	1.20	0.150
					p-Xylene	714.00 DL	224.0
					Unknown Hydrocarbon-1	784.00 DL	NA
SA16P24	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	13.60 HB,Q,DL	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	2.10	0.150
					p-Xylene	2410.00	224.0
					Unknown Hydrocarbon-1	6500.00	NA
					Unknown Hydrocarbon-2	3850.00	NA
					Unknown Hydrocarbon-3	2700.00	NA
SA16P25	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	6.00 Q,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
SA16P26	11/06/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 HB,Q,DL	3.00
					Chloroform	0.90 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P26	11/06/90	NS	NS	2	1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	0.20 DL	0.150
SA16P27	11/07/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	1.40	0.150
SA16P28	11/07/90	NS	NS	2	Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.90	0.150
SA16P29	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	15.00 HB,BD	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	2.40 DL	0.810
					Tetrachloroethene	1.50	0.150
	11/28/90	FD	NS	2	Total 1,2-Dichloroethene	9.40 BD,Q,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	1.40	0.150
SA16P30	11/06/90	NS	NS	1	Total 1,2-Dichloroethene	3.40 DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	4.40	0.150
SA16P31	11/29/90	NS	NS	2	Total 1,2-Dichloroethene	13.10 Q,DL	3.00
					Chloroform	3.40 CR	0.640
					1,1,1-Trichloroethane	3.40 CR	0.640
					Trichloroethene	1.00 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P31	11/29/90	NS	NS	2	Tetrachloroethene	0.90 DL	0.150
SA16P32	11/29/90	NS	NS	1	Total 1,2-Dichloroethene	21.90 HB	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	14.20	0.150
SA16P33	11/29/90	NS	NS	1	Total 1,2-Dichloroethene	15.50	3.00
					Chloroform	2.30 CR,DL	0.640
					1,1,1-Trichloroethane	2.30 CR,DL	0.640
SA16P34	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	11.60 HB,DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	5.80	0.810
					Tetrachloroethene	4.20	0.150
			LD	1	Total 1,2-Dichloroethene	12.90 HB,DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	4.00 DL	0.810
					Tetrachloroethene	2.20	0.150
SA16P35	11/29/90	NS	NS	1	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	21.70	0.810
					Tetrachloroethene	2.10	0.150
SA16P36	11/29/90	NS	NS	2	Total 1,2-Dichloroethene	3.70 HB,Q,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	7.40	0.810
					Tetrachloroethene	1.10	0.150
SA16P37	11/28/90	NS	NS	2	Total 1,2-Dichloroethene	11.20 HB,Q,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P37	11/28/90	NS	NS	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	10.20	0.810
					Tetrachloroethene	1.40	0.150
			LD	2	Total 1,2-Dichloroethene	12.00 HB,Q,DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	10.30	0.810
					Tetrachloroethene	1.40	0.150
SA16P38	11/28/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	15.60	0.810
					Tetrachloroethene	1.10	0.150
SA16P39	11/28/90	NS	NS	2	Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	8.40	0.810
					Tetrachloroethene	0.50 DL	0.150
SA16P40	11/28/90	NS	NS	2	Total 1,2-Dichloroethene	7.50 BD,Q,DL	3.00
					Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	3.10 DL	0.810
					Tetrachloroethene	1.00	0.150
SA16P41	11/29/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 Q,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SA16P42	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	7.70 DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-16							
SA16P42	11/28/90	NS	NS	1	Trichloroethene	3.80 DL	0.810
					Tetrachloroethene	3.50	0.150
P43	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	12.40 DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Tetrachloroethene	0.90 DL	0.150
SA16P45	11/30/90	NS	NS	2	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	6.10	0.810
					Tetrachloroethene	1.20	0.150
SA16P46	11/28/90	NS	NS	2	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SA-17							
SA17P01	11/02/90	NS	NS	2	Total 1,2-Dichloroethene	4.90 HB,DL	3.00
					Chloroform	9.20 CR	0.640
					1,1,1-Trichloroethane	9.20 CR	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	9.00	0.150
			LD	2	Total 1,2-Dichloroethene	3.70 DL	3.00
					Chloroform	9.40 CR	0.640
					1,1,1-Trichloroethane	9.40 CR	0.640
					Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	7.70	0.150
SA17P02	11/02/90	NS	NS	1	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	21.00	0.810
					Tetrachloroethene	2.40	0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-17							
SA17P03	11/02/90	NS	NS	2	Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
SA17P04	11/02/90	NS	NS	1	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	32.20	0.810
					Tetrachloroethene	0.30 DL	0.150
SA-18							
SA18P01	11/05/90	NS	NS	2	Total 1,2-Dichloroethene	3.00 HB,Q,DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	53.00	0.810
					Tetrachloroethene	16.10	0.150
SA18P02	11/02/90	NS	NS	1	Total 1,2-Dichloroethene	10.80 HB,DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	16.30	0.810
					Tetrachloroethene	2.40	0.150
SA18P03	11/05/90	NS	NS	1	Total 1,2-Dichloroethene	8.90 Q,DL	3.00
					Chloroform	2.00 CR,DL	0.640
					1,1,1-Trichloroethane	2.00 CR,DL	0.640
					Trichloroethene	27.10	0.810
					Tetrachloroethene	47.50	0.150
					p-Xylene	137.00 DL	224.0
SA18P04	11/02/90	NS	NS	2	Total 1,2-Dichloroethene	12.20 HB,DL	7.50
					Chloroform	6.30 CR,DL	1.600
					1,1,1-Trichloroethane	6.30 CR,DL	1.600

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-18							
SA18P04	11/02/90	NS	NS	2	Trichloroethene	7.70 DL	2.025
					Tetrachloroethene	41.20	0.375
SA18P05	11/21/90	NS	NS	1	Chloroform	21.80 CR,DL	6.400
					1,1,1-Trichloroethane	21.80 CR,DL	6.400
					Trichloroethene	16700.00 X	8.100
					Tetrachloroethene	638.00	1.500
					Unknown-1	2290.00	NA
	11/21/90	FD	NS	1	Total 1,2-Dichloroethene	31.50 DL	30.00
					Chloroform	24.60 CR,DL	6.400
					1,1,1-Trichloroethane	24.60 CR,DL	6.400
					Trichloroethene	15000.00	8.100
					Tetrachloroethene	508.00	1.500
					Unknown-1	2120.00	NA
SA-19							
SA19P01	11/07/90	NS	NS	2	Total 1,2-Dichloroethene	4.60 HB,DL	3.00
					Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	52.60	0.810
					Tetrachloroethene	18.30	0.150
			LD	2	Total 1,2-Dichloroethene	4.20 HB,DL	3.00
					Chloroform	0.50 CR,DL	0.640
					1,1,1-Trichloroethane	0.50 CR,DL	0.640
					Trichloroethene	50.20	0.810
					Tetrachloroethene	17.70	0.150
SA19P02	11/07/90	NS	NS	1	Total 1,2-Dichloroethene	9.40 HB,Q,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	4.80	0.810
					Tetrachloroethene	27.60	0.150
SA19P03	11/07/90	NS	NS	1	Total 1,2-Dichloroethene	5.40 HB,Q,DL	3.00

(Continued)

TABLE 5-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-19							
SA19P03	11/07/90	NS	NS	1	Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	1.20	0.150
SA19P04	11/07/90	NS	NS	1	Total 1,2-Dichloroethene	13.60 HB,Q,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	2.10	0.150
SA19P05	11/29/90	NS	NS	2	Total 1,2-Dichloroethene	18.60 HB,Q	3.00
					Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	100.00	0.150
	11/29/90	FD	NS	2	Total 1,2-Dichloroethene	14.80 HB,Q	3.00
					Chloroform	3.20 CR	0.640
					1,1,1-Trichloroethane	3.20 CR	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	93.10	0.150
SA19P06	11/28/90	NS	NS	1	Total 1,2-Dichloroethene	51.60 BD	3.00
					Chloroform	6.20 CR	0.640
					1,1,1-Trichloroethane	6.20 CR	0.640
					Trichloroethene	4.50	0.810
					Tetrachloroethene	18.10	0.150
					Toluene	668.00 DL	127.0
					Unknown-1	101000.0	NA
SA19P07	12/07/90	NS	NS	1	Total 1,2-Dichloroethene	47.50 HB	3.00
					Chloroform	1.80 CR,DL	0.640
					1,1,1-Trichloroethane	1.80 CR,DL	0.640
					Trichloroethene	3.50 DL	0.810
					Tetrachloroethene	4.60	0.150
SA19P08	12/10/90	NS	NS	1	Chloroform	431.00 CR	3.200

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SA-19							
SA19P08	12/10/90	NS	NS	1	1,1,1-Trichloroethane	431.00 CR	3.200
					Tetrachloroethene	8.20	0.750
SA19P09	12/10/90	NS	NS	1	Total 1,2-Dichloroethene	12.50 DL	3.00
					Chloroform	0.30 CR,DL	0.640
					1,1,1-Trichloroethane	0.30 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	3.20	0.150
SA19P10	12/07/90	NS	NS	2	Total 1,2-Dichloroethene	7.00 DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
SSA-1							
SSA1P01	10/31/90	NS	NS	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	1.70 DL	0.810
					Tetrachloroethene	5.40	0.150
SSA1P02	10/31/90	NS	NS	1	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	2.00 HB,BD,DL	0.810
					Tetrachloroethene	0.50 DL	0.150
SSA1P03	10/31/90	NS	NS	1	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Tetrachloroethene	1.00	0.150
SSA1P04	10/31/90	NS	NS	1	Total 1,2-Dichloroethene	2.90 DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	2.60 HB,BD,DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-1							
SSA1P05	10/31/90	NS	NS	1	Total 1,2-Dichloroethene	4.20 DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
SSA1P06	10/31/90	NS	NS	1	Chloroform	4.50 CR	0.640
					1,1,1-Trichloroethane	4.50 CR	0.640
					Tetrachloroethene	0.30 DL	0.150
SSA1P07	10/31/90	NS	NS	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Tetrachloroethene	0.60 DL	0.150
SSA1P08	10/31/90	NS	NS	1	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Tetrachloroethene	0.10 DL	0.150
SSA1P09	10/31/90	NS	NS	1	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Tetrachloroethene	0.30 DL	0.150
	10/31/90	FD	NS	1	Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
SSA1P10	11/01/90	NS	NS	2	Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.40 DL	0.150
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
SSA1P11	11/01/90	NS	NS	1	Trichloroethene	2.20 DL	0.810
					Tetrachloroethene	1.30	0.150
					Chloroform	1.60 CR,DL	1.600
					1,1,1-Trichloroethane	1.60 CR,DL	1.600

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-1							
SSA1P11	11/01/90	NS	NS	1	Trichloroethene	65.50	2.025
					Tetrachloroethene	1.40 DL	0.375
SSA1P12	11/01/90	NS	NS	2	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	1.70	0.150
SSA1P13	11/21/90	NS	NS	2	Total 1,2-Dichloroethene	8.60 BD,DL	3.00
					Chloroform	1.60 CR,DL	0.640
					1,1,1-Trichloroethane	1.60 CR,DL	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	1.70	0.150
			LD	2	Total 1,2-Dichloroethene	6.80 BD	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	2.60 DL	0.810
					Tetrachloroethene	1.70	0.150
SSA1P14	11/21/90	NS	NS	2	Total 1,2-Dichloroethene	6.20 DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	3.20 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
SSA1P15	11/21/90	NS	NS	2	Total 1,2-Dichloroethene	4.60 DL	3.00
					Chloroform	0.70 CR,DL	0.640
					1,1,1-Trichloroethane	0.70 CR,DL	0.640
					Trichloroethene	2.90 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SSA1P16	11/21/90	NS	NS	1	Total 1,2-Dichloroethene	3.10 HB,DL	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	3.30 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-1							
SSA1P16	11/21/90	NS	NS	1	Tetrachloroethene	1.60	0.150
SSA-2							
SSA2P01	11/08/90	NS	NS	2	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	1.60	0.150
SSA2P02	11/08/90	NS	NS	2	Trichloroethene	174.00	8.100
					Tetrachloroethene	446.00	1.500
SSA2P03	11/08/90	NS	NS	2	Trichloroethene	2.50 DL	0.810
					Tetrachloroethene	1.10	0.150
SSA2P04	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	8.70 HB,DL	3.00
					Chloroform	2.20 CR,DL	0.640
					1,1,1-Trichloroethane	2.20 CR,DL	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	1.00	0.150
SSA2P05	11/08/90	NS	NS	2	Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	1.20	0.150
SSA2P06	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	3.40 HB,DL	3.00
					Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
			LD	1	Total 1,2-Dichloroethene	4.20 HB,DL	3.00
					Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-2							
SSA2P06	11/08/90	NS	LD	1	Trichloroethene	1.80 DL	0.810
					Tetrachloroethene	0.30 DL	0.150
SSA2P07	11/08/90	NS	NS	2	Total 1,2-Dichloroethene	3.30 HB,DL	3.00
					Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	2.70 DL	0.810
					Tetrachloroethene	0.50 DL	0.150
SSA2P08	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	4.10 HB,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Tetrachloroethene	0.40 DL	0.150
SSA2P09	11/08/90	NS	NS	1	Total 1,2-Dichloroethene	4.20 HB,DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	0.10 DL	0.810
					Tetrachloroethene	4.70 HB,BD	0.150
SSA2P10	11/12/90	NS	NS	1	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SSA2P11	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	14.40 DL	3.00
					Chloroform	3.10 CR,DL	0.640
					1,1,1-Trichloroethane	3.10 CR,DL	0.640
					Trichloroethene	2.40 DL	0.810
					Tetrachloroethene	1.80	0.150
SSA2P12	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	4.20 DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	0.70 BD,DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-2							
SSA2P12	11/09/90	NS	NS	1	Tetrachloroethene Unknown-1	0.70 DL 19800.00	0.150 NA
SSA2P13	11/09/90	NS	NS	2	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene Unknown-1	7.90 HB,DL 3.30 CR,BC 3.30 CR,BC 2.50 DL 1.40 1150.00	3.00 0.640 0.640 0.810 0.150 NA
SSA2P14	11/13/90	NS	NS	1	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Tetrachloroethene	27.40 HB,Q 6.50 CR 6.50 CR 1.10	3.00 0.640 0.640 0.150
SSA2P16	11/13/90	NS	NS	2	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	5.70 HB,DL 1.60 CR,DL 1.60 CR,DL 1.10 DL 0.80	3.00 0.640 0.640 0.810 0.150
SSA2P17	11/09/90	NS	NS	2	Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	8.90 BC,CR 8.90 BC,CR 9.60 1.60	0.640 0.640 0.810 0.150
			LD	2	Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	9.00 BC,CR 9.00 BC,CR 10.00 1.30	0.640 0.640 0.810 0.150
SSA2P18	11/13/90	NS	NS	2	Total 1,2-Dichloroethene Chloroform 1,1,1-Trichloroethane Trichloroethene Tetrachloroethene	7.70 HB,DL 1.60 CR DL 1.60 CR,DL 0.80 DL 0.90	3.00 0.640 0.640 0.810 0.150

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-2							
SSA2P19	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	5.10 DL	3.00
					Chloroform	3.60 CR	0.640
					1,1,1-Trichloroethane	3.60 CR	0.640
					Trichloroethene	0.70 DL	0.810
					Tetrachloroethene	2.10	0.150
			LD	1	Total 1,2-Dichloroethene	5.30 DL	3.00
					Chloroform	3.70 CR	0.640
					1,1,1-Trichloroethane	3.70 CR	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	2.00	0.150
SSA2P20	11/09/90	NS	NS	2	Total 1,2-Dichloroethene	3.40 HB,DL	3.00
					Chloroform	2.40 BC,CR,DL	0.640
					1,1,1-Trichloroethane	2.40 BC,CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	0.80	0.150
SSA2P21	11/09/90	NS	NS	1	Total 1,2-Dichloroethene	3.40 DL	3.00
					Chloroform	6.10 CR	0.640
					1,1,1-Trichloroethane	6.10 CR	0.640
					Tetrachloroethene	0.70 DL	0.150
SSA2P22	11/09/90	NS	NS	2	Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	2.40	0.150
SSA2P23	11/09/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 HB,DL	3.00
					Chloroform	2.00 BC,CR,DL	0.640
					1,1,1-Trichloroethane	2.00 BC,CR,DL	0.640
					Trichloroethene	1.00 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
			LD	2	Total 1,2-Dichloroethene	6.10 HB,DL	3.00

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-2							
SSA2P23	11/09/90	NS	LD	2	Chloroform	3.40 BC,CR	0.640
					1,1,1-Trichloroethane	3.40 BC,CR	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
SSA2P24	11/09/90	NS	NS	2	Chloroform	1.80 BC,CR,DL	0.640
					1,1,1-Trichloroethane	1.80 BC,CR,DL	0.640
					Trichloroethene	0.90 DL	0.810
					Tetrachloroethene	27.40	0.150
SSA2P25	11/09/90	NS	NS	2	Total 1,2-Dichloroethene	6.10 HB,DL	3.00
					Chloroform	8.60 BC,CR	0.640
					1,1,1-Trichloroethane	8.60 BC,CR	0.640
					Trichloroethene	4.70	0.810
					Tetrachloroethene	30.50	0.150
	11/09/90	FD	NS	2	Chloroform	7.70 BC,CR	0.640
					1,1,1-Trichloroethane	7.70 BC,CR	0.640
					Trichloroethene	4.10	0.810
					Tetrachloroethene	29.60	0.150
SSA2P26	12/04/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 Q,DL	3.00
					Chloroform	3.90 CR	0.640
					1,1,1-Trichloroethane	3.90 CR	0.640
					Trichloroethene	1.50 DL,BD	0.810
					Tetrachloroethene	1.30	0.150
SSA2P27	12/04/90	NS	NS	1	Chloroform	4.50 CR,DL	3.200
					1,1,1-Trichloroethane	4.50 CR,DL	3.200
					Trichloroethene	96.80	4.050
					Tetrachloroethene	1120.00 X	0.750
SSA2P28	12/04/90	NS	NS	2	Total 1,2-Dichloroethene	15.00 Q,DL	3.00
					Chloroform	0.60 CR,DL	0.640
					1,1,1-Trichloroethane	0.60 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810

(Continued)

TABLE B-1 (Continued)

Location	Date Sampled	Field Analysis	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SSA-2							
SSA2P28	12/04/90	NS	NS	2	Tetrachloroethene	1.20	0.150
	12/04/90	FD	NS	2	Total 1,2-Dichloroethene	4.90 Q,DL	3.00
					Chloroform	2.40 CR,DL	0.640
					1,1,1-Trichloroethane	2.40 CR,DL	0.640
					Trichloroethene	1.10 DL	0.810
					Tetrachloroethene	2.30	0.150
SSA2P29	12/05/90	NS	NS	1	Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Tetrachloroethene	1.30	0.150
SSA2P30	12/05/90	NS	NS	2	Total 1,2-Dichloroethene	6.70 DL	3.00
					Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	7.20	0.810
					Tetrachloroethene	0.50 DL	0.150
SSA2P31	12/04/90	NS	NS	2	Total 1,2-Dichloroethene	10.00 Q,DL	3.00
					Chloroform	7.10 CR	0.640
					1,1,1-Trichloroethane	7.10 CR	0.640
					Trichloroethene	0.60 DL	0.810
					Tetrachloroethene	2.80	0.150

DATAFLAGS:

D = Sample dilution necessary for this analyte
 Q = Calibration is outside control limit
 BC = Value suspect due to contamination in blank
 BD = Value suspect due to baseline drift
 CP = Value suspect due to coeluting peaks
 CR = Chloroform and 1,1,1-TCA coelute and are calculated with a combined response factor
 HB = Value suspect due to high background
 LS = Value suspect due to leak in system
 DL = Estimated value less than 5 times the detection limit
 X = Estimated value beyond instrument calibration range
 S = Site
 SA = Study Area
 SSA = Special Study Area

NOTE:

NA = Not Available - The detection limit was not specified for tentatively identified compounds (TICS).

UNITS:

All results are in parts per billion by volume, ppbv.

APPENDIX C

Analytical Results for Canister Samples

TABLE C-1 MASTER LOG OF CANISTER SAMPLES
 OPERABLE UNIT B SOIL GAS PROGRAM
 SEPTEMBER THROUGH DECEMBER 1990, McCLELLAN AIR FORCE BASE

Sample Location	Field Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23P19	TO-14	NS	12/12/90	12/23/90	Acetone	14	(2)
					Cyclohexane	19	(2)
					Methanol	770	(20)
					Toluene	2.6 a	(2)
23P31	TO-14	NS	10/24/90	12/14/90	Chlorotrifluoroethene	250	
					Dichloroethene	2600	
					Dichlorotrifluoroethane	87	
					Freon 113	1600	
					Toluene	280 a	(140)
					Vinyl Chloride	880	(74)
					m,p-Xylene	94 a	(62)
30P13	TO-14	NS	12/12/90	12/23/90	Acetone	43 a	(18)
					Methanol	440 a	(180)
					Trichloroethene	5100 E	(18)
36P01	TO-14	NS	10/16/90	12/13/90	Acetone	11	
					Carbon Disulfide	15	
					Ethylhexanone	3.9	
					Hexamethylcyclotrisiloxane	51 a	
					Octamethylcyclotetrasiloxane	200 a	
					Propenal	5.8	
					Tetrachloroethene	160	(9.1)
47P13	TO-14	NS	12/13/90	12/23/90	Acetone	21 a	(18)
					Benzene	20 a	(18)
					Cyclohexane	85 a	(18)
					Methanol	790	(20)
					Propylene	210	(18)
47P18	TO-14	NS	12/11/90	12/20/90	Acetone	64 a	(18)
					Cyclohexane	440	(18)
					Methanol	6600	(180)
					Tetrachloroethene	810	(18)
					Trichloroethene	900	(18)
48P01	TO-14	NS	10/24/90	12/14/90	Chlorotrifluoroethene	390	
					Dichloroethene	4000	
					Freon 113	1700	
					Siloxane	60 a	
					Toluene	430	(160)
					Trichloroethene	80	
					Trichlorofluoromethane	84	

(Continued.)

TABLE C-1 (Continued)

Sample Location	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
48P01	TO-14	NS	10/24/90	12/14/90	Vinyl Chloride	1300	(81)
					m,p-Xylene	110	(68)
BN-334	TO-14	NS	12/07/90	12/20/90	Acetone	57	(3.2)
					Benzene	4.4 a	(3.2)
					Freon 113	6.4 a	(3.2)
					N,N-Dimethylacetamide	39	(3.2)
					Toluene	4.3 a	(3.2)
L5P30	TO-14	NS	10/24/90	12/14/90	1,3-Dichlorobenzene	310000	(6200)
					Butane	12000	
					Cyclohexane	18000	
					Decamethylcyclopentasiloxane	1800000 a	
					Dimethylbutane	95000 b	
					Dimethylbutane	32000 b	
					Dimethylhexane	17000 b	
					Dimethylhexane	29000 b	
					Dimethylpentane	180000 b	
					Dimethylpentane	10000 b	
					Dimethylpentane	200000 b	
					Hexamethylcyclotrisiloxane	18000 a	
					Hexane	20000	
					Methylbutane	160000	
					Methylpentane	65000	
					Octamethylcyclotetrasiloxane	1900000 a	
					Pentane	12000	
					Siloxane	35000 a	
					Trimethylhexane	76000 b	
					Trimethylhexane	24000 b	
					Trimethylpentane	31000 b	
					Trimethylpentane	230000 b	
					m,p-Xylene	8700	(5300)
L5P53	TO-14	NS	11/14/90	12/17/90	1,1,1-Trichloroethane	140 a	(64)
					Freon 113	4000	
					Tetrachloroethene	380 a	(86)
L5P77	TO-14	NS	12/13/90	12/23/90	1,1-Dichloroethene	170	(17)
					Acetone	1200	(17)
					Carbon Tetrachloride	1700 E	(17)
					Chloroform	24 a	(17)
					Chlorotrifluoroethene	68 a	(17)
					Freon 113	21000 E	(17)
					Tetrachloroethene	4300 E	(17)
					Trichloroethene	380	(17)

(Continued.)

TABLE C-1 (Continued)

Sample Location	Field Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
L5P86	TO-14	NS	12/11/90	12/20/90	Freon 113	3800	(370)
					Trichloroethene	60000 E	(370)
					cis-1,2-Dichloroethene	4700	(370)
L5P102	TO-14	NS	12/12/90	12/21/90	Acetone	140	(18)
					Freon 113	2600 E	(18)
					Methanol	960	(180)
					Trichloroethene	360	(18)
L5P116	TO-14	NS	12/07/90	12/20/90	1,1,1-Trichloroethane	230	(20)
					1,1-Dichloroethene	190	(20)
					Acetone	940	(20)
					Freon 113	4000 E	(20)
					Methanol	210 a	(200)
					N,N-Dimethylacetamide	3200	(200)
					Tetrachloroethene	430	(20)
L5P145	TO-14	NS	12/13/90	12/23/90	Benzene	65 a	(31)
					Chloroform	370	(31)
					Cyclohexane	25000 E	(31)
					Freon 113	34 a	(31)
					Heptane	130 a	(31)
					Methanol	1800	(310)
					Tetrachloroethene	270	(31)
					Trichloroethene	54000 E	(31)
					cis-1,2-Dichloroethene	1500	(31)
					m,p-Xylene	32 a	(31)
					n-Octane	100 a	(31)
L6P02	TO-14	NS	12/11/90	12/23/90	1,3-Dimethylcyclohexane	1600 a	(360)
					Benzene	430 a	(360)
					Cyclohexane	2000	(360)
					Freon 113	1500 a	(360)
					Tetrachloroethene	9400	(360)
					Trichloroethene	6200	(360)
					Unknown Hydrocarbon	950 a	(360)
					Unknown Hydrocarbon	1100 a	(360)
					Unknown Hydrocarbon	1200 a	(360)
					Unknown Hydrocarbon	3000	(360)
					Unknown Hydrocarbon	980 a	(360)
					Unknown Hydrocarbon	1500 a	(360)
					Unknown Hydrocarbon	1000 a	(360)
					Unknown Hydrocarbon	1300 a	(360)
					cis-1,2-Dichloroethene	1200 a	(360)
					m,p-Xylene	380 a	(360)

(Continued.)

TABLE C-1 (Continued)

Sample Location	Field Method	Date Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
L6P30	TO-14	NS	10/24/90	12/14/90	1,1-Dichloroethane	28000 a	(10000)
					1,2-Dichlorobenzene	89000	(11000)
					1,3-Dichlorobenzene	29000 a	(8200)
					Chlorotrifluoroethene	468000	
					Cyclohexane	9600	
					Decamethylcyclopentasiloxane	1900000 a	
					Decene	34800	
					Dichloroethene	3120000	
					Dimethylpentene	11300	
					Freon 113	2280000	
					Heptane	9400	
					Hexamethylcyclotrisiloxane	25300 a	
					Nonane	34700	
					Octamethylcyclotetrasiloxane	2100000 a	
					Tetrachloroethene	61000	(11000)
					Toluene	620000	(16000)
					Trichloroethene	25000	
					Undecane	27500	
					Unknown C7H16	7100	
					Unknown C9H16	16800	
					Unknown C9H18	32300	
S13P07	TO-14	NS	11/14/90	12/17/90	Vinyl Chloride	1600000	(8400)
					m,p-Xylene	19000 a	(7000)
					n-Octane	16000	
					Benzene	2.6 a	(2.2)
					Cyclohexane	2.9	
					Freon 113	16	
					Hexamethylcyclotrisiloxane	1.6 a	
					Nonane	1.5	
S28P03	TO-14	NS	10/22/90	12/13/90	Octamethylcyclotetrasiloxane	9.5 a	
					Pentane	1.8	
					Trichloroethene	9.2	
					Acetaldehyde	4.9	
					Acetone	6.1	
					Dimethyldecane	7.7	
					Ethyltetramethylheptane	4.3	
					Freon 113	54	
S34P22	TO-14	NS	12/07/90	12/20/90	Trimethyldecane	4.1	
					Trimethylhexane	3.9	
					1,2,4-Trimethylbenzene	2.9 a	(1.6)
					2-Butanone	26	(1.6)
					Acetone	33	(1.6)
					Benzene	3.3 a	(1.6)

(Continued.)

TABLE C-1 (Continued)

Sample Location	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
S34P22	TO-14	NS	12/07/90	12/20/90	Carbon Tetrachloride	6.5 @	(1.6)
					Chloroform	2.5 @	(1.6)
					Cyclohexane	83	(1.6)
					Freon 113	24	(1.6)
					Methanol	38 @	(16)
					N,N-Dimethylacetamide	110	(16)
					Propylene	6.2 @	(1.6)
					Tetrachloroethene	5.4 @	(1.6)
					Toluene	76	(1.6)
					Trichloroethene	84	(1.6)
					m,p-Xylene	2.2 @	(1.6)
S35P14	TO-14	NS	10/16/90	12/14/90	Cyclohexane	110000	
					Trichloroethene	870	
SA4P20	TO-14	NS	12/12/90	12/21/90	Acetone	47	(2)
					Benzene	5.2 @	(2)
					Cyclohexane	14	(2)
					Methanol	620	(20)
					Propylene	6.5 @	(2)
					Tetrachloroethene	18	(2)
					Toluene	5.9 @	(2)
					m,p-Xylene	2.9 @	(2)
SA7P08	TO-14	NS	10/08/90	12/14/90	1,1,1-Trichloroethane	3800	(77)
					1,1-Dichloroethane	200 @	(92)
					Carbon Disulfide	48	
					Chloroform	100 @	(67)
					Dichloroethene	150	
					Heptane	100	
					Methylcyclohexane	240	
					Tetrachloroethene	4800	(100)
					Trichloroethene	180	
SA10P03	TO-14	NS	12/10/90	12/20/90	m,p-Xylene	100 @	(63)
					1,1,1-Trichloroethane	35	(2.6)
					1,1-Dichloroethene	9.4 @	(2.6)
					Acetone	32	(2.6)
					Freon 113	4.0 @	(2.6)
					Tetrachloroethene	110	(2.6)
SA11P09	TO-14	NS	12/11/90	12/20/90	Trichloroethene	8.9 @	(2.6)
					Acetone	22 @	(15)
					Cyclohexane	68 @	(15)
					Freon 113	20 @	(15)
					Methanol	15000	(160)

(Continued.)

TABLE C-1 (Continued)

Sample Location	Field Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
SA12P15	TO-14	NS	12/12/90	12/21/90	Acetone	8.9 a	(6.1)
					Bromomethane	22 a	(6.1)
					Methanol	1400	(61)
					Tetrachloroethene	460	(6.1)
					Trichloroethene	20 a	(6.1)
SA16P04	TO-14	NS	12/13/90	12/23/90	1,2,4-Trimethylbenzene	18000	(1400)
					1,3,5-Trimethylbenzene	5700 a	(1400)
					2,3-Dimethylhexane	400000	(1400)
					2,3-Dimethylpentene	930000	(1400)
					2-Methylbutane	170000	(1400)
					2-Methylheptane	400000	(1400)
					3-Methylpentane	330000	(1400)
					Benzene	150000 E	(1400)
					Cyclohexane	500000	(1400)
					Ethylbenzene	51000 E	(1400)
					Ethylcyclohexane	460000	(1400)
					Freon 113	16000	(1400)
					Heptane	550000	(1400)
					Hexane	420000	(1400)
					Nonane	200000	(1400)
					Pentane	200000	(1400)
					Toluene	11000	(1400)
SA19P06	TO-14	NS	12/11/90	12/20/90	m,p-Xylene	120000	(1400)
					n-Octane	270000	(1400)
					o-Xylene	22000	(1400)
					Cyclohexane	9900 E	(3.1)
					Methanol	5100	(31)
SSA2P27	TO-14	NS	12/13/90	12/23/90	Tetrachloroethene	95	(3.1)
					Toluene	68	(3.1)
					Trichloroethene	8.1 a	(3.1)
					Acetone	100	(16)
T8P03	TO-14	NS	12/13/90	12/23/90	Dichlorotrifluoroethane	290	(16)
					Freon 113	2000 E	(16)
					Tetrachloroethene	1200	(16)
					Trichloroethene	98	(16)
					1,1,3-Trimethylcyclohexane	370000	(1800)
					1,2,3-Trimethylcyclopentane	140000	(1800)
					1,2,4-Trimethylcyclopentane	100000	(1800)
					1,2-Dimethylcyclopentane	260000	(1800)
					1,3-Dimethylcyclohexane	310000	(1800)
					1-Ethyl-3-methylcyclopentane	140000	(1800)

(Continued.)

TABLE C-1 (Continued)

Sample Location	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
T8P03	TO-14	NS	12/13/90	12/23/90	2,3-Dimethylpentane	51000	(1800)
					2,3-Dimethylpentene	460000	(1800)
					3-Methylpentane	33000	(1800)
					Benzene	3000 a	(1800)
					Butylcyclopentane	100000	(1800)
					Cyclohexane	130000	(1800)
					m,p-Xylene	3000 a	(1800)
					n-Octane	11000	(1800)

DATAFLAGS:

- a = The results are less than five times the method specified detection limit. Uncertainty of the analysis will increase as the method detection limit is approached. These results should be considered approximate.
- a = This compound is the result of bleeding of chromatographic material and is not in the soil gas sample itself.
- b = The specific isomer of this compound was not specified and a result was reported for each isomer quantitated.
- E = Concentration of compound exceeds calibration range for that particular analysis.

FIELD ANALYSIS:

NS = Normal Sample.

UNITS:

All results are in parts per billion by volume, ppbv.

NOTES:

Those compounds where detection limits are not specified are tentatively identified compounds (TICs). Freon 113 is also called 1,1,2-Trichloro-1,2,2-trifluoroethane.

APPENDIX D

Analytical Results for Downhole Soil Gas Samples

TABLE D-1 ANALYTICAL RESULTS FOR DOWNHOLE SOIL GAS SAMPLES,
 OPERABLE UNIT B SOIL GAS INVESTIGATION,
 SEPTEMBER THROUGH DECEMBER 1990, McCLELLAN AIR FORCE BASE

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23D0101	10/05/90	7.50	NS	2	Trichloroethene	32.50 DL	8.100
					Tetrachloroethene	2.30 DL	1.500
					p-Xylene	9900.00 DL	2240.0
23D0102	10/05/90	12.50	NS	2	Total 1,2-Dichloroethene	13.40 BD,DL	3.00
					Chloroform	1.10 CR,DL	0.640
					1,1,1-Trichloroethane	1.10 CR,DL	0.640
					Trichloroethene	1.20 DL	0.810
					Tetrachloroethene	4.00	0.150
23D0103	10/05/90	37.50	NS	1	Total 1,2-Dichloroethene	12.00 HB,DL	3.00
					Chloroform	1.20 CR,DL	0.640
					1,1,1-Trichloroethane	1.20 CR,DL	0.640
					Trichloroethene	10.10	0.810
					Tetrachloroethene	0.60 D'	0.150
23D0104	10/05/90	50.50	NS	1	Chloroform	5.00 CR	0.640
					1,1,1-Trichloroethane	5.00 CR	0.640
					Trichloroethene	29.70	0.810
					Tetrachloroethene	12.00	0.150
23D0105	10/05/90	72.00	NS	1	Total 1,2-Dichloroethene	76.40 HB	3.00
					Chloroform	2.90 CR,DL	0.640
					1,1,1-Trichloroethane	2.90 CR,DL	0.640
					Trichloroethene	14.40	0.810
					Tetrachloroethene	4.10	0.150
23D0201	10/08/90	9.50	NS	1	Chloroform	2.50 CR,DL	0.640
					1,1,1-Trichloroethane	2.50 CR,DL	0.640
					Trichloroethene	7.90	0.810
23D0202	10/08/90	18.00	NS	1	Chloroform	1.30 CR,DL	0.640
					1,1,1-Trichloroethane	1.30 CR,DL	0.640
					Trichloroethene	0.50 DL	0.810
					Tetrachloroethene	0.40 DL	0.150

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23D0203	10/09/90	26.50	NS	1	Total 1,2-Dichloroethene	6.10 DL	3.00
					Chloroform	3.70 CR	0.640
					1,1,1-Trichloroethane	3.70 CR	0.640
					Trichloroethene	0.40 DL	0.810
					Tetrachloroethene	0.80	0.150
23D0204	10/09/90	49.00	NS	1	Chloroform	10.10 CR	1.600
					1,1,1-Trichloroethane	10.10 CR	1.600
					Trichloroethene	9.60 DL	2.025
					Tetrachloroethene	7.70	0.375
					Unknown-1	50.00	NA
					Unknown-2	337.00	NA
23D0205	10/09/90	70.50	NS	1	Total 1,2-Dichloroethene	4.70 DL	3.00
					Chloroform	2.80 CR,DL	0.640
					1,1,1-Trichloroethane	2.80 CR,DL	0.640
					Trichloroethene	0.20 DL	0.810
					Tetrachloroethene	1.10	0.150
			LD	2	Total 1,2-Dichloroethene	3.40 DL	3.00
					Chloroform	3.30 CR	0.640
					1,1,1-Trichloroethane	3.30 CR	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	0.60 DL	0.150
23D0301	10/10/90	8.00	NS	1	Chloroform	3.00 CR,DL	0.640
					1,1,1-Trichloroethane	3.00 CR,DL	0.640
					Trichloroethene	32.00	0.810
23D0302	10/10/90	19.00	NS	1	Chloroform	2.10 CR,DL	0.640
					1,1,1-Trichloroethane	2.10 CR,DL	0.640
					Trichloroethene	2.00 DL	0.810
					Tetrachloroethene	2.20	0.150
23D0303	10/11/90	34.00	NS	1	Chloroform	1.40 CR,DL	0.640

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23D0303	10/11/90	34.00	NS	1	1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	1.40 DL	0.810
					Tetrachloroethene	1.00	0.150
23D0304	10/11/90	54.00	NS	1	Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	5.80	0.810
					Tetrachloroethene	2.70	0.150
					Unknown-1	912.00	NA
			LD	1	Chloroform	0.90 CR,DL	0.640
					1,1,1-Trichloroethane	0.90 CR,DL	0.640
					Trichloroethene	6.40	0.810
					Tetrachloroethene	2.60	0.150
					Unknown-1	860.00	NA
23D0305	10/11/90	67.00	NS	1	Total 1,2-Dichloroethene	4.10 DL	3.00
					Chloroform	3.50 CR	0.640
					1,1,1-Trichloroethane	3.50 CR	0.640
					Trichloroethene	1.50 DL	0.810
					Tetrachloroethene	1.60	0.150
					p-Xylene	140.00 DL	224.0
23D0401	10/12/90	10.00	NS	2	Total 1,2-Dichloroethene	14.40 HB,DL	3.00
					Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	15.70	0.810
					Tetrachloroethene	1.70	0.150
23D0402	10/12/90	16.50	NS	1	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	1.50	0.150
23D0403	10/12/90	35.00	NS	1	Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23D0403	10/12/90	35.00	NS	1	Trichloroethene	8.00	0.810
					Tetrachloroethene	3.70	0.150
23D0404	10/15/90	54.00	NS	2	Total 1,2-Dichloroethene	7.10 HB,DL	3.00
					Chloroform	2.70 CR,DL	0.640
					1,1,1-Trichloroethane	2.70 CR,DL	0.640
					Trichloroethene	9.50	0.810
					Tetrachloroethene	7.80	0.150
					Unknown-1	465.00	NA
23D0405	10/15/90	79.00	NS	1	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	2.10 DL	0.810
					Tetrachloroethene	2.30	0.150
23D0501	10/16/90	8.50	NS	2	Chloroform	2.70 CR,DL	6.400
					1,1,1-Trichloroethane	2.70 CR,DL	6.400
					Trichloroethene	3.60 DL	8.100
					Tetrachloroethene	4280.00 D	1.500
23D0502	10/17/90	76.50	NS	2	Chloroform	1.50 CR,DL	0.640
					1,1,1-Trichloroethane	1.50 CR,DL	0.640
					Trichloroethene	5.00	0.810
					Tetrachloroethene	3.50	0.150
23D0601	10/17/90	8.50	NS	2	Chloroform	32.00 BD,CR	6.400
					1,1,1-Trichloroethane	32.00 BD,CR	6.400
					Trichloroethene	14.20 DL	8.100
					Tetrachloroethene	3200.00 X	1.500
23D0602	10/17/90	20.50	NS	1	Chloroform	5.10 CR,DL	6.400
					1,1,1-Trichloroethane	5.10 CR,DL	6.400
					Trichloroethene	13.60 DL	8.100
					Tetrachloroethene	5070.00 X	1.500
			LD	1	Chloroform	14.80 CR,DL	6.400

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 23							
23D0602	10/17/90	20.50	LD	1	1,1,1-Trichloroethane	14.80 CR,DL	6.400
					Trichloroethene	18.80 DL	8.100
					Tetrachloroethene	4230.00 X	1.500
23D0603	10/18/90	28.00	NS	2	Total 1,2-Dichloroethene	2.40 HB,DL	3.00
					Chloroform	0.80 CR,DL	0.640
					1,1,1-Trichloroethane	0.80 CR,DL	0.640
					Trichloroethene	0.80 DL	0.810
					Tetrachloroethene	40.60	0.150
23D0604	10/18/90	49.00	NS	1	Chloroform	2.50 CR,DL	1.600
					1,1,1-Trichloroethane	2.50 CR,DL	1.600
					Trichloroethene	73.90	2.025
					Tetrachloroethene	254.00	0.375
23D0605	10/18/90	71.00	NS	1	Total 1,2-Dichloroethene	3.40 Q,DL	3.00
					Chloroform	1.40 CR,DL	0.640
					1,1,1-Trichloroethane	1.40 CR,DL	0.640
					Trichloroethene	0.30 DL	0.810
					Tetrachloroethene	46.50	0.150
SITE 24							
24D0101	09/24/90	9.00	NS	1	Total 1,2-Dichloroethene	52.80 DL	30.00
					Chloroform	126.00 CR	6.400
					1,1,1-Trichloroethane	126.00 CR	6.400
					Trichloroethene	949.00	8.100
					Tetrachloroethene	14.40	1.500
24D0102	09/24/90	18.00	NS	2	Total 1,2-Dichloroethene	29.70 DL	30.00
					Chloroform	13.60 CR,DL	6.400
					1,1,1-Trichloroethane	13.60 CR,DL	6.400
					Trichloroethene	47.00	8.100
					Tetrachloroethene	7.50	1.500
					p-Xylene	57610.00 D	2240.0
					o-Xylene	50855.00 D	2420.0

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24D0102	09/24/90	18.00	NS	2	Unknown-1	60455.00	NA
					Unknown-2	103570.0	NA
24D0103	09/24/90	22.00	NS	2	Total 1,2-Dichloroethene	35.60 DL	30.00
					Chloroform	8.00 CR,DL	6.400
					1,1,1-Trichloroethane	8.00 CR,DL	6.400
					Trichloroethene	23.50 DL	8.100
					Tetrachloroethene	5.70 DL	1.500
					Benzene	8990.00 D,DL	2520.0
					Toluene	8365.00 D,DL	1270.0
					p-Xylene	193261.0 D	2240.0
					o-Xylene	165164.0 D	2420.0
					Unknown-1	142300.0 D	NA
					Unknown-2	480390.0 D	NA
24D0104	09/25/90	39.00	NS	2	Total 1,2-Dichloroethene	124.00 D	3.00
					Chloroform	14.00 CR	0.640
					1,1,1-Trichloroethane	14.00 CR	0.640
					Trichloroethene	439.00 D	0.810
					Tetrachloroethene	21.50	0.150
					Benzene	2889.00	252.0
					Toluene	4535.00 DL	127.0
					p-Xylene	28605.00	224.0
					o-Xylene	26292.00	242.0
					Unknown-1	28374.00	NA
24D0105	09/25/90	44.00	NS	2	Chloroform	9.00 CR,DL	3.200
					1,1,1-Trichloroethane	9.00 CR,DL	3.200
					Trichloroethene	11.00 DL	4.050
					Tetrachloroethene	0.80 DL	0.750
					p-Xylene	1170.00 DL	1120.0
					o-Xylene	885.00 DL	1210.0
			LD	2	Chloroform	7.20 CR,DL	3.200
					1,1,1-Trichloroethane	7.20 CR,DL	3.200
					Trichloroethene	11.00 DL	4.050
					Tetrachloroethene	6.50	0.750
					p-Xylene	1290.00 DL	1120.0

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24D0105	09/25/90	44.00	LD	2	o-Xylene	830.00 DL	1210.0
24D0106	09/25/90	56.50	NS	2	Total 1,2-Dichloroethene	42.80 DL	15.00
					Chloroform	192.00 CR	3.200
					1,1,1-Trichloroethane	192.00 CR	3.200
					Trichloroethene	530.00 D	4.050
					Tetrachloroethene	57.50	0.750
					p-Xylene	19545.00 CP	1120.0
					o-Xylene	2740.00 CP,DL	1210.0
			LD	2	Total 1,2-Dichloroethene	42.80 DL	15.00
					Chloroform	200.00 CR	3.200
					1,1,1-Trichloroethane	200.00 CR	3.200
					Trichloroethene	615.00 D	4.050
					Tetrachloroethene	6.50	0.750
					p-Xylene	26315.00 CP	1120.0
					o-Xylene	6815.00 CP	1210.0
24D0107	09/26/90	67.00	NS	1	Total 1,2-Dichloroethene	13.00 HB,DL	3.00
					Trichloroethene	6.90	0.810
					Tetrachloroethene	0.60 DL	0.150
					p-Xylene	284.00 DL	224.0
					o-Xylene	107.00 DL	242.0
24D0108	09/26/90	80.00	NS	2	Total 1,2-Dichloroethene	185.00 D	30.00
					Chloroform	1840.00 CR	6.400
					1,1,1-Trichloroethane	1840.00 CR	6.400
					Trichloroethene	29275.00 D	8.100
					Tetrachloroethene	33.90	1.500
					p-Xylene	4034.00 DL	2240.0
					o-Xylene	4642.00 DL	2420.0
					Unknown-1	4400.00 D	NA
					Unknown-2	7760.00 D	NA
					Unknown-3	85000.00 D	NA
24D0201	09/27/90	10.00	NS	2	Total 1,2-Dichloroethene	54.80 DL	75.00
					Chloroform	41.90 CR,DL	16.000

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24D0201	09/27/90	10.00	NS	2	1,1,1-Trichloroethane	41.90 CR,DL	16.000
					Trichloroethene	391.00	20.250
					Tetrachloroethene	5.80 BD,DL	3.750
			LD	2	Total 1,2-Dichloroethene	71.50 DL	75.00
					Chloroform	41.20 CR,DL	16.000
					1,1,1-Trichloroethane	41.20 CR,DL	16.000
					Trichloroethene	380.00	20.250
					Tetrachloroethene	1.20 DL	3.750
24D0202	09/27/90	18.50	NS	2	Total 1,2-Dichloroethene	154.00 DL	75.00
					Chloroform	7.90 CR,DL	16.000
					1,1,1-Trichloroethane	7.90 CR,DL	16.000
24D0203	09/27/90	30.00	NS	1	Total 1,2-Dichloroethene	143.00 HB,DL	75.00
					Chloroform	3.00 CR,DL	16.000
					1,1,1-Trichloroethane	3.00 CR,DL	16.000
					Trichloroethene	45.70 DL	20.250
24D0204	09/28/90	54.00	NS	1	Total 1,2-Dichloroethene	24.50 DL	7.50
					Chloroform	3.50 CR,DL	1.600
					1,1,1-Trichloroethane	3.50 CR,DL	1.600
					Trichloroethene	83.00	2.025
					Tetrachloroethene	3.70	0.375
24D0207	09/28/90	78.00	NS	1	Total 1,2-Dichloroethene	45.20 DL	15.00
					Chloroform	136.00 D	3.200
					1,1,1-Trichloroethane	136.00 D	3.200
					Trichloroethene	9800.00 D	4.050
					Tetrachloroethene	7.00	0.750
					Unknown-1	5940.00	NA
					Unknown-2	5239.00	NA
24D0301	10/01/90	9.00	NS	1	Total 1,2-Dichloroethene	1517.30	3.00
					Chloroform	14.40 CR	0.640

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24D0301	10/01/90	9.00	NS	1	1,1,1-Trichloroethane	14.40 CR	0.640
					Trichloroethene	11.80	0.810
					Tetrachloroethene	3.20	0.150
24D0302	10/01/90	18.00	NS	1	Chloroform	1.90 CR,DL	0.640
					1,1,1-Trichloroethane	1.90 CR,DL	0.640
					Trichloroethene	8.60	0.810
					Tetrachloroethene	0.50 DL	0.150
					p-Xylene	2220.00	224.0
					o-Xylene	1120.00 DL	242.0
					Unknown-1	2760.00	NA
					Unknown-2	2800.00	NA
					Unknown-3	1400.00	NA
24D0303	10/01/90	26.00	NS	1	Chloroform	31.50 CR	1.600
					1,1,1-Trichloroethane	31.50 CR	1.600
					Trichloroethene	166.00	2.025
					Tetrachloroethene	8.30	0.375
24D0304	10/02/90	45.50	NS	2	Chloroform	1.00 CR,DL	0.640
					1,1,1-Trichloroethane	1.00 CR,DL	0.640
					Trichloroethene	2.80 DL	0.810
					Tetrachloroethene	0.80	0.150
					p-Xylene	105.00 DL	224.0
24D0305	10/02/90	70.50	NS	1	Chloroform	57.10 CR	6.400
					1,1,1-Trichloroethane	57.10 CR	6.400
					Trichloroethene	2950.00 D	8.100
					Tetrachloroethene	6.60 DL	1.500
24D0401R	10/04/90	7.50	NS	1	Total 1,2-Dichloroethene	38.60 DL	30.00
					Chloroform	7.00 CR,DL	6.400
					1,1,1-Trichloroethane	7.00 CR,DL	6.400
					Trichloroethene	1490.00	8.100
					Tetrachloroethene	3.20 DL	1.500
24D0402R	10/04/90	18.50	NS	2	Total 1,2-Dichloroethene	53.40 D,X,DL	30.00

(Continued.)

TABLE D-1 (Continued)

Location	Date Sampled	Depth	Lab Analysis	Instrument	Analyte	Result	Detection Limit
SITE 24							
24D0402R	10/04/90	18.50	NS	2	Chloroform	29.10 CR,DL	6.400
					1,1,1-Trichloroethane	29.10 CR,DL	6.400
					Trichloroethene	6800.00 D,X	8.100
					Tetrachloroethene	8.20	1.500
24D0403	10/03/90	31.50	NS	1	Chloroform	27.20 CR,DL	6.400
					1,1,1-Trichloroethane	27.20 CR,DL	6.400
					Trichloroethene	7100.00	8.100
					Tetrachloroethene	3.30 DL	1.500
24D0404	10/03/90	53.50	NS	1	Chloroform	28.70 CR,DL	6.400
					1,1,1-Trichloroethane	28.70 CR,DL	6.400
					Trichloroethene	18600.00	8.100
					Tetrachloroethene	6.90 DL	1.500
					Unknown-1	2630.00	NA
					Unknown-2	40900.00	NA
24D0405	10/04/90	71.00	NS	2	Chloroform	9.40 CR,DL	6.400
					1,1,1-Trichloroethane	9.40 CR,DL	6.400
					Trichloroethene	5200.00 D,X	8.100
					Tetrachloroethene	1.40 DL	1.500
					p-Xylene	1900.00 BD,DL	2240.0
					Unknown-1	1700.00 D,X	NA
					Unknown-2	460.00 D,X	NA

DATAFLAGS:

- D = Sample dilution necessary for this analyte
- Q = Calibration is outside control limit
- BC = Value suspect due to contamination in blank
- BD = Value suspect due to baseline drift
- CP = Value suspect due to coeluting peaks
- CR = Chloroform and 1,1,1-TCA coelute and are calculated with a combined response factor
- HB = Value suspect due to high background
- LS = Value suspect due to leak in system
- DL = Estimated value less than 5 times the detection limit
- X = Estimated value beyond instrument calibration range
- S = Site
- SA = Study Area
- SSA = Special Study Area

NOTE:

- NA = Not Available - The detection limit was not specified for tentatively identified compounds (TICS).

UNITS:

All results are in parts per billion by volume, ppbv.

APPENDIX E

Analytical Results for Soil Samples

TABLE E-1 ANALYTICAL RESULTS FOR SOIL SAMPLES,
 OPERABLE UNIT B SOIL GAS INVESTIGATION,
 SEPTEMBER THROUGH DECEMBER 1990, MCCLELLAN AIR FORCE BASE

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23801	4.5	6010	NS	10/05/90	10/26/90	Aluminum	9200	(4.6)
						Arsenic	8.0 @	(5.4)
						Barium	77	(0.21)
						Beryllium	0.33 @	(0.1)
						Cadmium	0.82 @	(0.41)
						Calcium	1600	(1)
						Chromium	18	(0.72)
						Cobalt	8.8	(0.72)
						Copper	9.6	(0.62)
						Iron	7600 Z	(0.72)
						Lead	18 @	(4.3)
						Magnesium	920	(3.1)
						Manganese	230	(0.21)
						Nickel	10	(1.5)
						Sodium	150	(3)
						Vanadium	27	(0.82)
						Zinc	20	(0.21)
23801	4.5	7471	NS	10/05/90	10/26/90	No Analytes Detected	ND	
23801	4.5	8080	NS	10/05/90	11/11/90	4,4'-DDD	1.6 @	(1)
23801	8	8240	NS	10/05/90	10/11/90	Total Xylenes	22 @	(6.2)
23801	8	9040	NS	10/05/90	10/11/90	pH determination	8.3	(NA)
23801	18	8240	NS	10/05/90	10/11/90	Total Xylenes	8.2 @	(5.2)
23801	18	9040	NS	10/05/90	10/11/90	pH determination	9.4	(NA)
23801	31.5	8240	NS	10/05/90	10/11/90	No Analytes Detected	ND	
23801	31.5	8270	NS	10/05/90	10/22/90	No Analytes Detected	ND	
23801	31.5	8280	NS	10/05/90	10/25/90	No Analytes Detected	ND	
23801	31.5	9040	NS	10/05/90	10/22/90	pH determination	8.0	(NA)
23801	49	8240	NS	10/05/90	10/11/90	1,1,1-Trichloroethane	4.9 @	(4.8)
						4-Methyl-2-Pentanone	34 @	(12)
23801	70.5	8240	NS	10/05/90	10/11/90	No Analytes Detected	ND	
23802	7	8240	NS	10/08/90	10/11/90	No Analytes Detected	ND	

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23802	8.5	6010	NS	10/08/90	10/26/90	Aluminum	16000	(4.6)
						Arsenic	7.2 a	(5.5)
						Barium	130	(0.21)
						Beryllium	0.52	(0.1)
						Cadmium	1.2 a	(0.41)
						Calcium	3900	(1)
						Chromium	47	(0.72)
						Cobalt	9.7	(0.72)
						Copper	20	(0.62)
						Iron	16000 Z	(0.72)
						Lead	69	(4.3)
						Magnesium	3700	(3.1)
						Manganese	200	(0.21)
						Nickel	28	(1.5)
						Potassium	740 Za	(310)
						Sodium	430	(3)
						Vanadium	46	(0.83)
						Zinc	46	(0.21)
23802	8.5	6010	FD	10/08/90	10/26/90	Aluminum	14000	(4.6)
						Arsenic	7.8 a	(5.5)
						Barium	130	(0.21)
						Beryllium	0.46 a	(0.1)
						Cadmium	1.6 a	(0.41)
						Calcium	3400	(1)
						Chromium	52	(0.72)
						Cobalt	10	(0.72)
						Copper	20	(0.62)
						Iron	14000 Z	(0.72)
						Lead	44	(4.3)
						Magnesium	3000	(3.1)
						Manganese	430	(0.21)
						Nickel	26	(1.5)
						Potassium	490 Za	(310)
						Silver	1.1 a	(0.72)
						Sodium	360	(3)
						Vanadium	44	(0.83)
						Zinc	49	(0.21)
23802	8.5	7471	NS	10/08/90	10/26/90	Mercury	0.13 a	(0.12)
23802	8.5	7471	FD	10/08/90	10/26/90	Mercury	0.15 a	(0.12)
23802	8.5	9040	NS	10/08/90	10/26/90	pH determination	7.8	(NA)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23802	8.5	9040	FD	10/08/90	10/26/90	pH determination	7.8	(NA)
23802	16.5	8240	NS	10/08/90	10/11/90	No Analytes Detected	ND	
23802	16.5	8270	NS	10/08/90	10/23/90	No Analytes Detected	ND	
23802	16.5	8080	NS	10/08/90	11/15/90	No Analytes Detected	ND	
23802	16.5	9040	NS	10/08/90	10/11/90	pH determination	8.2	(NA)
23802	25	8240	NS	10/09/90	10/11/90	Total Xylenes	9.9 a	(6.1)
23802	25	8240	FD	10/09/90	10/11/90	No Analytes Detected	ND	
23802	25	8280	NS	10/09/90	10/29/90	No Analytes Detected	ND	
23802	25	8280	FD	10/09/90	10/25/90	No Analytes Detected	ND	
23802	25	9040	NS	10/09/90	10/11/90	pH determination	7.9	(NA)
23802	49	8240	NS	10/09/90	10/11/90	No Analytes Detected	ND	
23802	62.5	8240	NS	10/09/90	10/11/90	No Analytes Detected	ND	
23803	8	8240	NS	10/10/90	10/11/90	No Analytes Detected	ND	
23803	8	9040	NS	10/10/90	10/11/90	pH determination	8.1	(NA)
23803	18.5	8240	NS	10/10/90	10/11/90	No Analytes Detected	ND	
23803	18.5	6010	NS	10/10/90	10/29/90	Aluminum	8900	(4.5)
						Barium	61	(0.2)
						Beryllium	0.20 a	(0.099)
						Calcium	2400 z	(0.99)
						Chromium	21	(0.7)
						Cobalt	7.2	(0.7)
						Copper	5.0	(0.6)
						Iron	11000	(0.7)
						Lead	10 a	(4.2)
						Magnesium	3600	(3)
						Manganese	110	(0.2)
						Nickel	28	(1.5)
						Potassium	1200 a	(300)
						Sodium	320	(2.9)
						Vanadium	32	(0.79)
						Zinc	19 s	(0.2)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23803	18.5	7471	NS	10/10/90	10/29/90	No Analytes Detected	ND	
23803	18.5	8080	NS	10/10/90	11/15/90	No Analytes Detected	ND	
23803	18.5	9040	NS	10/10/90	10/11/90	pH determination	8.3	(NA)
23803	33.5	8240	NS	10/11/90	10/18/90	No Analytes Detected	ND	
23803	33.5	8240	FD	10/11/90	10/18/90	No Analytes Detected	ND	
23803	33.5	8270	NS	10/11/90	10/25/90	No Analytes Detected	ND	
23803	33.5	8280	NS	10/11/90	10/25/90	No Analytes Detected	ND	
23803	33.5	9040	NS	10/11/90	10/25/90	pH determination	7.5	(NA)
23803	33.5	9040	FD	10/11/90	10/18/90	pH determination	7.9	(NA)
23803	44	8240	NS	10/11/90	10/18/90	No Analytes Detected	ND	
23803	67	8240	NS	10/11/90	10/18/90	No Analytes Detected	ND	
23804	9.5	8240	NS	10/12/90	10/18/90	No Analytes Detected	ND	
23804	9.5	9040	NS	10/12/90	10/18/90	pH determination	7.4	(NA)
23804	11.5	8240	NS	10/12/90	10/18/90	No Analytes Detected	ND	
23804	11.5	6010	NS	10/12/90	11/01/90	Aluminum	7800	(4.9)
						Barium	56	(0.22)
						Beryllium	0.19 a	(0.11)
						Calcium	2300	(1.1)
						Chromium	19	(0.77)
						Cobalt	7.1	(0.77)
						Copper	8.2	(0.66)
						Iron	10000	(0.77)
						Lead	8.5 a	(4.6)
						Magnesium	3300	(3.3)
						Manganese	93	(0.22)
						Nickel	30	(1.6)
						Potassium	1000 a	(330)
						Sodium	310	(3.2)
						Vanadium	23	(0.88)
						Zinc	20	(0.22)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23804	11.5	7471	NS	10/12/90	10/23/90	No Analytes Detected	ND	
23804	11.5	8080	NS	10/12/90	11/16/90	No Analytes Detected	ND	
23804	11.5	9040	NS	10/12/90	10/18/90	pH determination	7.7	(NA)
23804	39.5	8240	NS	10/15/90	10/18/90	No Analytes Detected	ND	
23804	39.5	8270	NS	10/15/90	11/15/90	bis(2-Ethylhexyl)Phthalate	850 @	(450)
23804	39.5	9040	NS	10/15/90	11/15/90	pH determination	7.1	(NA)
23804	54	8240	NS	10/15/90	10/18/90	No Analytes Detected	ND	
23804	79	8240	NS	10/15/90	10/18/90	No Analytes Detected	ND	
23805	8.5	8240	NS	10/10/90	10/23/90	No Analytes Detected	ND	
23805	8.5	9040	NS	10/10/90	10/23/90	pH determination	7.3	(NA)
23805	20	8240	NS	10/10/90	10/23/90	No Analytes Detected	ND	
23805	20	6010	NS	10/10/90	11/09/90	Aluminum	9400	(4.9)
						Barium	66	(0.22)
						Beryllium	0.16 @	(0.11)
						Calcium	4700 Z	(1.1)
						Chromium	8.5	(0.76)
						Cobalt	5.8	(0.76)
						Copper	13	(0.65)
						Iron	10000 Z	(0.76)
						Lead	11 @	(4.6)
						Magnesium	2500	(3.3)
						Manganese	120	(0.22)
						Nickel	9.5	(1.6)
						Potassium	720 Z@	(330)
						Sodium	680 Z	(3.2)
						Vanadium	25	(0.87)
						Zinc	25 Z	(0.22)
23805	20	7471	NS	10/10/90	11/09/90	No Analytes Detected	ND	
23805	20	8080	NS	10/10/90	11/27/90	No Analytes Detected	ND	
23805	20	9040	NS	10/10/90	10/23/90	pH determination	8.0	(NA)
23805	33	8240	NS	10/10/90	10/23/90	No Analytes Detected	ND	

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23805	33	9040	NS	10/10/90	10/23/90	pH determination	7.7	(NA)
23805	58	8240	NS	10/10/90	10/24/90	No Analytes Detected	ND	
23805	58	8240	FD	10/10/90	10/23/90	No Analytes Detected	ND	
23805	67	8240	NS	10/10/90	10/23/90	No Analytes Detected	ND	
23805	67	8270	NS	10/10/90	11/12/90	No Analytes Detected	ND	
23805	67	8280	NS	10/10/90	10/29/90	No Analytes Detected	ND	
23806	6	8240	NS	10/17/90	10/25/90	No Analytes Detected	ND	
23806	6	9040	NS	10/17/90	10/25/90	pH determination	7.8	(NA)
23806	12.5	8240	NS	10/17/90	10/25/90	No Analytes Detected	ND	
23806	12.5	8270	NS	10/17/90	11/17/90	No Analytes Detected	ND	
23806	12.5	8270	FD	10/17/90	11/17/90	No Analytes Detected	ND	
23806	12.5	6010	NS	10/17/90	11/09/90	Aluminum	18000	(5.1)
						Barium	200	(0.23)
						Beryllium	0.42 Z ^a	(0.11)
						Calcium	3600	(1.1)
						Chromium	23	(0.79)
						Cobalt	11	(0.79)
						Copper	20	(0.68)
						Iron	17000 Z	(0.79)
						Lead	21 ^a	(4.7)
						Magnesium	5500	(3.4)
						Manganese	460	(0.23)
						Nickel	26	(1.7)
						Potassium	2400 Z	(340)
						Sodium	410 Z	(3.3)
						Vanadium	37	(0.9)
						Zinc	43 Z	(0.23)
23806	12.5	7471	NS	10/17/90	11/09/90	No Analytes Detected	ND	
23806	12.5	8080	NS	10/17/90	11/27/90	No Analytes Detected	ND	
23806	12.5	8080	FD	10/17/90	11/27/90	No Analytes Detected	ND	

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
23806	12.5	9040	NS	10/17/90	10/25/90	pH determination	7.6	(NA)
23806	20	8240	NS	10/17/90	10/25/90	No Analytes Detected	ND	
23806	20	9040	NS	10/17/90	10/25/90	pH determination	8.0	(NA)
23806	39	8240	NS	10/18/90	10/25/90	No Analytes Detected	ND	
23806	39	8240	FD	10/18/90	10/25/90	No Analytes Detected	ND	
23806	39	9040	NS	10/18/90	10/25/90	pH determination	7.2	(NA)
23806	48.5	8240	NS	10/18/90	10/25/90	No Analytes Detected	ND	
23806	68.5	8240	NS	10/18/90	10/25/90	No Analytes Detected	ND	
23806	68.5	8280	NS	10/18/90	10/29/90	No Analytes Detected	ND	
24801	9.5	8240	NS	09/24/90	09/27/90	Trichloroethene	4.6 a	(3)
24801	9.5	6010	NS	09/24/90	10/16/90	Aluminum	14000	(4.9)
						Antimony	6.3 a	(3.7)
						Arsenic	16 a	(5.8)
						Barium	110	(0.22)
						Beryllium	0.49 a	(0.11)
						Cadmium	3.6	(0.44)
						Calcium	5700	(1.1)
						Chromium	24	(0.76)
						Cobalt	12	(0.76)
						Copper	33	(0.66)
						Iron	35000 Z	(0.76)
						Lead	350	(4.6)
						Magnesium	3800	(3.3)
						Manganese	370	(0.22)
						Nickel	20	(1.6)
						Potassium	1800	(330)
						Silver	0.82 a	(0.76)
						Sodium	850	(3.2)
						Vanadium	42	(0.87)
						Zinc	220 Z	(0.22)
24801	9.5	7471	NS	09/24/90	10/16/90	No Analytes Detected	ND	
24801	9.5	8080	NS	09/24/90	11/11/90	4,4'-DDE	1.1 cB	(0.97)
24801	9.5	9040	NS	09/24/90	10/16/90	pH determination	5.6	(NA)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
24801	15.5	8240	NS	09/24/90	09/27/90	Trichloroethane	15	(3)
						trans-1,2-Dichloroethene	18 a	(6)
24801	15.5	8270	NS	09/24/90	10/12/90	No Analytes Detected	ND	
24801	15.5	8280	NS	09/24/90	10/18/90	Heptachlorodibenzodioxin	3.8	(0.34)
						Hexachlorodibenzodioxin	1.0 a	(0.26)
						Octachlorodibenzodioxin	9.7	(0.68)
						Tetrachlorodibenzofuran	0.60	(0.097)
24801	15.5	9040	NS	09/24/90	10/12/90	pH determination	6.8	(NA)
24801	24.5	8240	NS	09/24/90	09/27/90	Chlorobenzene	830	(56)
24801	24.5	8240	FD	09/24/90	09/28/90	Chlorobenzene	930	(56)
24801	24.5	9040	NS	09/24/90	09/27/90	pH determination	7.2	(NA)
24801	24.5	9040	FD	09/24/90	09/28/90	pH determination	7.5	(NA)
24801	41.5	8240	NS	09/25/90	09/28/90	No Analytes Detected	ND	
24801	41.5	9040	NS	09/25/90	09/28/90	pH determination	7.4	(NA)
24801	64	8240	NS	09/26/90	09/28/90	trans-1,2-Dichloroethene	720	(27)
24801	64	9040	NS	09/26/90	09/28/90	pH determination	7.2	(NA)
24802	9	8240	NS	09/27/90	09/28/90	No Analytes Detected	ND	
24802	9	9040	NS	09/27/90	09/28/90	pH determination	8.1	(NA)
24802	16.5	8240	NS	09/27/90	09/28/90	No Analytes Detected	ND	
24802	16.5	9040	NS	09/27/90	09/28/90	pH determination	7.4	(NA)
24802	28	8240	NS	09/27/90	09/28/90	No Analytes Detected	ND	
24802	28	8270	NS	09/27/90	10/12/90	No Analytes Detected	ND	
24802	28	6010	NS	09/27/90	10/31/90	Aluminum	24000	(10)
						Arsenic	14 a	(12)
						Barium	140	(0.45)
						Beryllium	0.49 a	(0.22)
						Calcium	5000	(2.2)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
24802	28	6010	NS	09/27/90	10/31/90	Chromium	20	(1.6)
						Cobalt	14	(1.6)
						Copper	11 S	(1.3)
						Iron	24000 Z	(1.6)
						Lead	26 @	(9.4)
						Magnesium	5100	(6.7)
						Manganese	410	(0.45)
						Nickel	19	(3.4)
						Potassium	3000 2@	(670)
						Sodium	820	(6.5)
						Vanadium	59	(1.8)
						Zinc	50	(0.45)
24802	28	7471	NS	09/27/90	10/31/90	No Analytes Detected	ND	
24802	28	8080	NS	09/27/90	11/12/90	No Analytes Detected	ND	
24802	28	9040	NS	09/27/90	10/12/90	pH determination	7.6	(NA)
24802	53	8240	NS	09/28/90	10/02/90	No Analytes Detected	ND	
24802	53	9040	NS	09/28/90	10/02/90	pH determination	7.7	(NA)
24802	78	8240	NS	09/28/90	10/02/90	No Analytes Detected	ND	
24802	78	9040	NS	09/28/90	10/02/90	pH determination	7.7	(NA)
24803	4.5	8240	NS	10/01/90	10/02/90	No Analytes Detected	ND	
24803	4.5	9040	NS	10/01/90	10/02/90	pH determination	7.9	(NA)
24803	14	8240	NS	10/01/90	10/02/90	No Analytes Detected	ND	
24803	14	6010	NS	10/01/90	10/31/90	Aluminum	24000	(26)
						Barium	230	(1.2)
						Cadmium	19	(2.3)
						Calcium	9500	(5.8)
						Chromium	66	(4.1)
						Cobalt	20 @	(4.1)
						Copper	31000	(3.5)
						Iron	52000 Z	(4.1)
						Lead	300	(24)
						Magnesium	4200	(17)
						Manganese	530	(1.2)
						Nickel	43 @	(8.7)
						Potassium	1900 2@	(1700)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
24803	14	6010	NS	10/01/90	10/31/90	Silver	6.2 @	(4.1)
						Sodium	910	(17)
						Vanadium	54	(4.7)
						Zinc	770	(1.2)
24803	14	7471	NS	10/01/90	10/31/90	Mercury	0.34 @	(0.12)
24803	14	8080	NS	10/01/90	11/12/90	No Analytes Detected	ND	
24803	14	9040	NS	10/01/90	11/12/90	pH determination	7.7	(NA)
24803	34	8240	NS	10/02/90	10/05/90	No Analytes Detected	ND	
24803	34	9040	NS	10/02/90	10/05/90	pH determination	8.2	(NA)
24803	43.5	8240	NS	10/02/90	10/05/90	No Analytes Detected	ND	
24803	43.5	8240	FD	10/02/90	10/05/90	No Analytes Detected	ND	
24803	43.5	8270	NS	10/02/90	10/19/90	No Analytes Detected	ND	
24803	43.5	8280	NS	10/02/90	10/18/90	Tetrachlorodibenzofuran	0.86	(0.11)
24803	43.5	8280	FD	10/02/90	10/18/90	Tetrachlorodibenzofuran	0.57	(0.11)
24803	68.5	8240	NS	10/02/90	10/05/90	No Analytes Detected	ND	
24804	8.5	8240	NS	10/03/90	10/05/90	No Analytes Detected	ND	
24804	8.5	8270	NS	10/03/90	10/22/90	No Analytes Detected	ND	
24804	8.5	6010	NS	10/03/90	10/29/90	Aluminum	21000	(5.2)
						Barium	220	(0.23)
						Beryllium	0.30 @	(0.11)
						Calcium	6300	(1.1)
						Chromium	20	(0.8)
						Cobalt	15	(0.8)
						Copper	49 S	(0.69)
						Iron	21000 Z	(0.8)
						Lead	23 @	(4.8)
						Magnesium	4800	(3.4)
						Manganese	750	(0.23)
						Nickel	26	(1.7)
						Potassium	2000 Z	(340)
						Sodium	1100	(3.3)
						Vanadium	52	(0.92)

(Continued.)

TABLE E-1 (Continued)

Location	Depth	Method	Field Analysis	Date Sampled	Date Analyzed	Analyte	Result	Detection Limit
24804	8.5	6010	NS	10/03/90	10/29/90	Zinc	56	(0.23)
24804	8.5	7471	NS	10/03/90	10/29/90	No Analytes Detected	ND	
24804	8.5	8080	NS	10/03/90	11/15/90	No Analytes Detected	ND	
24804	8.5	9040	NS	10/03/90	10/22/90	pH determination	7.4	(NA)
24804	18	8240	NS	10/03/90	10/05/90	No Analytes Detected	ND	
24804	18	9040	NS	10/03/90	10/05/90	pH determination	7.6	(NA)
24804	31	8240	NS	10/03/90	10/05/90	No Analytes Detected	ND	
24804	31	9040	NS	10/03/90	10/05/90	pH determination	7.5	(NA)
24804	61.5	8240	NS	10/04/90	10/05/90	1,1-Dichloroethane	5.8 @	(5.6)
						Trichloroethene	100	(3)
24804	75.5	8240	NS	10/04/90	10/05/90	1,1-Dichloroethane	14 @	(6.6)
						Trichloroethene	280	(3.5)

DATAFLAGS:

- @ = The results are less than five times the method specified detection limit. Uncertainty of the analysis will increase as the method detection limit is approached. These results should be considered approximate.
- C = Confirmed on second column or by GC/MS.
- ND = Not detected at specified detection limit.
- S = Determined by Method of Standard Addition.
- Z = Inorganic methods - Analyte is found in the associated blank, but the sample results are not corrected for the amount in the blank.

NOTE:

NA = Not available - There is no detection limit for pH determination.

FIELD ANALYSIS:

- FD = Field Duplicate.
- NS = Normal Sample.

UNITS:

- METHODS 8080, 8280, 8240, 8270 = ug/Kg
- METHODS 6010, 7471 = mg/Kg

APPENDIX F

Lithologic and Drilling Log Forms

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base	
TOTAL DEPTH	80.00	START DATE	10/5/90	FINISH DATE	10/5/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Audubon		CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.		DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75"		EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 23, Adjacent to Probe 23P03.				

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>ASPHALT SURFACE</u>		53.00	
			<u>GRAVEL</u> fill material.			
			<u>SILTY CLAY</u> 7.5Y 2/0, low to moderate plasticity, dense, dark color; silt, no plasticity, soft, dry, no odor, (CL).		-50-	8:20, PID (SOIL)=0 PPMV
			No recovery.			
5	23B0101		<u>SILTY CLAY</u> 7.5Y 2/0, low to moderate plasticity, dense, dark color; silt, no plasticity, soft, dry, no odor, (CL).			08:30, PID (SOIL)=0 PPMV
			<u>SILT</u> 10YR 6/6, no plasticity, well compacted, very hard, with iron staining, dry, no odor, (ML).			8:40, PID (SOIL)=0 PPMV
	23B0102	23D0101	<u>SILT</u> 2.5Y 5/6, no plasticity, well compacted, very firm, organics and iron stains, abundant white caliche, dry, no odor, (ML).		-45-	PID (SOIL GAS)= 2 PPMV
10			<u>SILT</u> 2.5Y 5/6, no plasticity, well compacted, very firm, organics and iron stains, dry, no odor, (ML).			8:55, PID (SOIL)=0-4 PPMV
			<u>SAND</u> 10YR 4/6, fine to medium grained, slightly compacted, hard, poorly graded, quartz, mafics and mica, with iron stains, dry, no odor, (SP).			9:05, PID (SOIL)=0 PPMV
			<u>SILTY SAND</u> 2.5Y 5/4, fine to medium grained, loose to slightly compacted, poorly graded, semi hard, quartz, mafics and mica, minor white caliche, iron stains; silt, no plasticity, compacted, firm, dry, no odor, (SM).		-40-	9:15, PID (SOIL)=0 PPMV
15			<u>SAND</u> 2.5Y 4/4, fine to medium grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, moderate amount of thinly (approx .2") layered white caliche, dry, no odor, (SP).			9:25, PID (SOIL)=0 PPMV
	23B0103	23D0102	<u>SAND</u> 2.5Y 4/4, fine to coarse grained, loose, well graded, quartz, mafics, mica, green and red metamorphics, dry, no odor, (SW).		-35-	09:40, PID (SOIL)=0 PPMV
20						

****NOTES****

PID = Photolionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

PROJECT			Operable Unit B Soil Gas Validation Study		LOCATION		McClellan Air Force Base	
Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES		
20								
			<u>SILT</u> 2.5Y 6/2, no plasticity, well compacted, firm, brittle, dry, no odor, (ML).			9:50, PID (SOIL)=0 PPMV		
			<u>SAND</u> 2.5Y 6/4, fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).		-30-			
			<u>SILT</u> 2.5Y 6/2, no plasticity, compacted, firm, brittle, organics, minor iron stains, dry, no odor, (ML).			10:00, PID (SOIL)=0 PPMV		
25			<u>SAND</u> 2.5Y 6/4, fine to medium grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).					
			<u>SILT</u> 2.5Y 3/4, no plasticity, compacted, firm, brittle, iron stains, minor organics, dry, no odor, (ML).			10:10, PID (SOIL)=0 PPMV		
			<u>SILT</u> 2.5Y 3/4, no plasticity, compacted, firm, brittle, iron stains, minor organics, thin layer (approx 5") of sand at 27'-27.5', fine grained, loose, poorly graded quartz, mafics, mica, dry, no odor, (ML).		-25-			
			<u>SILTY SAND</u> 2.5Y 6/2, fine grained, loose, poorly graded, quartz, mafics, abundant mica, interbedded with silt, no plasticity, compacted, firm, dry, no odor, (SP).			10:20, PID (SOIL)=0 PPMV		
30						10:30, PID (SOIL)=12 PPMV		
	23B0104							
			<u>SILT</u> 5Y 6/4, no plasticity, well compacted, very firm, brittle, numerous voids filled with organic material, iron stains, dry, no odor, (ML).		-20-	10:55PID (SOIL)=0 PPMV		
35								
			<u>SAND</u> 10YR 6/6, fine grained, loose, poorly graded, quartz, abundant mafics and mica, dry, no odor, (SP).		-15-	11:05, PID (SOIL)=0 PPMV PID (SOIL GAS)=11 PPMV		
	23D0103		<u>SANDY SILT</u> 2.5Y 3/4, no plasticity, compacted, firm, brittle, with thinly (approx .4") interbedded sand, fine grained, loose, poorly graded quartz, mafics and mica, dry, no odor, (SM).			12:45, PID (SOIL)=.4 PPMV		
40			<u>SANDY SILT</u> 2.5Y 3/4, no plasticity, compacted, firm, brittle, with thinly (approx .4") interbedded sand (40'-40.3'), fine grained, loose, poorly graded quartz, mafics and mica, (SM).			12:55, PID (SOIL)=0 PPMV		
			<u>SILT</u> 2.5Y 3/6, no plasticity, compacted, firm, with organics and iron stained, dry, no odor, (ML).		-10-			
			<u>SILTY CLAY</u> 2.5Y 4/4, low plasticity, soft, with silt, loose, quartz, mafics, dry, no odor, (CL).			13:05, PID (SOIL)=0 PPMV		
45			<u>SILT</u> 2.5Y 3/6, no plasticity, well compacted, firm, iron stains, dry, no odor, (ML).					

LOG OF DRILLING OPERATIONS

PROJECT			Operable Unit B Soil Gas Validation Study		LOCATION		McClellan Air Force Base	
Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES		
	23B0105	23D0104	<u>SAND</u> 10YR 5/8, fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			13:15, PID (SOIL)=0 PPMV		
			<u>SILT</u> 2.5Y 5/6, no plasticity, well compacted, firm, brittle, organic material and iron stains, dry, no odor, (ML).		-5-	13:35, PID (SOIL)=0.4 PPMV		
50							13:50, PID (SOIL)=0 PPMV	
			<u>SILTY SAND</u> 2.5Y 6/6, fine grained, loose to slightly compacted, poorly graded, quartz, mica, mafics, red and green metamorphics, with silt, no plasticity, slightly compacted, (SM).		-0-	14:00, PID (SOIL)=0 PPMV		
55			No recovery.					
			<u>SILTY SAND</u> 2.5Y 6/4, very fine to fine grained, loose, moderately graded, 10% mica, 20% mafics, 40% quartz, 30% pink and white feldspar, (SM).		-5-			
60			<u>SANDY SILT</u> 2.5Y 5/6, 60% quartz, 20% feldspar, 20% mafics, subrounded to subangular, 30% Clayey Sandy Silt - 2.5Y 5/4, slightly cohesive with iron staining, no plasticity, (SM).			PID (SOIL)=0 PPMV		
			<u>SILTY CLAY</u> 10YR 6/6 (70%), laminated, voids (10%), iron staining, 10% organics, 30% Sandy Silt - 2.5Y 5/4, slightly cohesive with iron staining, no plasticity, (SM).		-10-	15:00, PID (SOIL)=0 PPMV		
65			<u>SILTY CLAY</u> 10YR 6/6, laminated (voids 10%), 25% silt and very fine sand, iron stains, (CM).			15:15, PID (SOIL)=0 PPMV		
			<u>SILTY SAND</u> 10YR 6/6 - 40% quartz, 35% feldspar, 25% silt, slight iron staining.					
	<u>SILTY CLAY</u> 10YR 6/4, 30% silt with mica, 70% clay, (CM).		-15-					
70	23B0106	23D0105				16:00, PID (SOIL)=0 PPMV		
	<u>CLAYEY SILT</u> 2.5Y 6/4, 10% silt, 10% organic particles 80% hard clay, dry, (MC).							

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
75			<u>CLAYEY SANDY SILT</u> 10YR 6/6, 20% very fine to fine quartz sand, 20% clay, 60% silt, slightly cohesive, iron staining, 10% organic particle, staining, (SM/MC).		-20-	PID (SOIL)=0 PPMV
			<u>SILTY CLAY</u> 2.5Y 6/6, 20% silt, 80% clay, iron staining, organic particles, (MC).		-25-	17:05, PID (SOIL)=0 PPMV
80			<u>TOTAL DEPTH</u>		-30-	
85					-35-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base	
TOTAL DEPTH	79.50	START DATE	10/8/90	FINISH DATE	10/9/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Cudde		CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.		DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75"		EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 23, Adjacent to Probe 25P12.				

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>ASPHALT SURFACE</u>		55.00	
			<u>GRAVELLY CLAY 2.5Y 4/2</u> , low to medium plasticity, medium stiff, soft, with gravel (1-3cm), angular, dry, no odor, (CL).			12:40, PID (SOIL) = 2 PPMV
			No recovery.			
			<u>SILTY CLAY 2.5Y 2/0</u> , moderate plasticity, medium stiff, soft; silt, low to no plasticity, loose, mafics, quartz, dark colored material, possible stains, dry, no odor, (CL).			13:55, PID (SOIL) = 1.5 PPMV
			No recovery.			
	23B0201		<u>SILTY CLAY 2.5Y 2/0</u> , moderate plasticity, medium stiff, soft; silt, low to no plasticity, loose, mafics, quartz, dark colored material, possible stains, dry, no odor, (CL).			14:10, PID (SOIL) = 3 PPMV
	23B0202		<u>SILTY CLAY 2.5Y 2/0</u> , low to moderate plasticity, medium stiff, semi soft, damp; silt, low plasticity, loose, mafics, quartz, no odor, (CL).			PID (SOIL GAS) = .2 PPMV
	23B0203	23D0201				14:40, PID (SOIL) = 2 PPMV, PID (SOIL GAS) = .2 PPMV
			<u>GRAVELLY SILT 2.5Y 6/6</u> , no plasticity, compacted, firm, angular, iron stains; gravel (1-3cm), minor white caliche, dry, no odor, (ML).			14:50, PID (SOIL) = 1 PPMV
			<u>SAND 2.5Y 5/4</u> , fine grained, slightly compacted, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			15:40, PID (SOIL) = .5 PPMV
						15:50, PID (SOIL) = .2 PPMV
			<u>SAND 2.5Y 5/4</u> , fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			16:00, PID (SOIL) = 12 PPMV
	23B0204	23D0202				PID (SOIL GAS) = .2 PPMV
			<u>SAND 2.5Y 5/4</u> , fine grained, loose to slightly compacted, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			
			<u>SILTY SAND 2.5Y 3/4</u> , fine grained,			16:15, PID (SOIL) = 0 PPMV

****NOTES****

PID = Photoionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20			compacted, poorly graded, quartz, mafics and mica; thinly interbedded silt, no plasticity, firm, dry, no odor, (SM).			
			<u>SAND 2.5Y 5/4</u> , fine grained, compacted, poorly graded, quartz, mafics and mica, no plasticity, firm, dry, no odor, (SP).			16:30, PID (SOIL)=0 PPMV
			<u>SILT 2.5Y 6/6</u> , no plasticity, well compacted, firm, brittle, organics, iron stains, dry, no odor, (ML).			STOP 10/08/90, START 10/09/90.
23B0205			<u>SANDY SILT</u> no plasticity, compacted, semi-firm, organic material; sand, fine grained, loose to slightly compacted, quartz, mafics, mica, dry, no odor, (ML).			7:45, PID (SOIL)=92 PPMV
23B0206			<u>SILTY SAND 2.5Y 5/6</u> , fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, with silt, no plasticity, compacted, firm, iron stains, dry, no odor, (SM).			PID (SOIL)=111 PPMV
		23D0203				PID (SOIL GAS)=.3 PPMV PID (SOIL)=5 PPMV
						9:30, PID (SOIL)=16 PPMV
30			<u>CLAYEY SILT 5Y 6/3</u> , no plasticity, well compacted, firm, brittle, organic material, iron stains; clay, low plasticity, dense, very stiff, dry, no odor, (ML).		-25-	9:45, PID (SOIL)=0 PPMV
			<u>SAND 2.5Y 5/6</u> , fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, iron stains, dry, no odor, (SP).			
			<u>SILT 2.5Y 6/6</u> , no plasticity, well compacted, firm, brittle, organic material, iron stains, dry, no odor, (ML).			9:55, PID (SOIL)=3 PPMV
35			<u>SAND 2.5Y 6/2</u> , fine to medium grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).		-20-	
			<u>SANDY SILT 2.5Y 6/4</u> , no plasticity, firm, compacted, brittle, iron stains, organic material; sand, fine grained, loose, quartz, mafics, mica, dry, no odor, (ML).			10:10, PID (SOIL)=.4 PPMV
			<u>SILT 2.5Y 6/4</u> , no plasticity, well compacted, very firm, brittle, organic material, iron stains, dry, no odor, (ML).			
			<u>SANDY SILT 2.5Y 6/6</u> , no plasticity, firm, compacted, iron stains; sand, fine grained, loose to slightly compacted, quartz, mafics, mica, dry, no odor, (ML).		-15-	10:20, PID (SOIL)=0 PPMV
40						
			<u>SILT 2.5Y 5/4</u> , no plasticity, well compacted, brittle, numerous voids filled with organic material, fine sand, iron staining, minor white caliche, dry, no odor, (ML).			10:35, PID (SOIL)=0 PPMV
			<u>SANDY SILT 2.5Y 3/4</u> , no plasticity, compacted, firm, iron stained, organic material; sand, quartz, mafics and mica, (ML).		-10-	12:00, PID (SOIL)=0 PPMV
45						

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
	23B0207	23D0204	<u>SAND</u> 10YR 5/6, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP). <u>SAND</u> 10YR 5/6, fine to medium grained, loose, poorly graded, quartz, mafics, mica, green metamorphics, iron stains, dry, no odor, (SP).			12:15, PID (SOIL) = 0 PPMV
50			<u>SANDY SILT</u> 10YR 4/6, no plasticity, compacted, semi-firm, brittle, organics, iron stains; sand, quartz, mafics and mica, dry, no odor, (ML). <u>SANDY SILT</u> 10YR 4/6, no plasticity, compacted, semi-firm, brittle, organic material, iron stains; sand, quartz, mafics and mica, numerous voids, filled with organic material, dry, no odor, (ML).		-5-	13:00, PID (SOIL) = .5 PPMV, PID (SOIL GAS) = 13 PPMV 13:20, PID (SOIL) = 0 PPMV 13:30, PID (SOIL) = 0 PPMV
55			<u>INTERBEDDED SAND & SILT</u> 10YR 4/6, fine to medium, loose to slightly compacted, iron stained, quartz, mafics, mica; no plasticity, firm, compacted, brittle, dry, no odor, (SM).		-0-	13:45, PID (SOIL) = 0 PPMV
			<u>SAND</u> 10YR 4/6, fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, iron stains, dry, no odor, (SP). <u>SILT</u> 2.5Y 3/4, no plasticity, well compacted, firm, brittle, iron stains, organic material, dry, no odor, (ML).			14:00, PID (SOIL) = 0 PPMV
60			<u>SAND</u> 10YR 4/6, fine to medium grained, loose, poorly graded, quartz, feldspar, mafics, green and red metamorphics, dry, no odor, (SP).		-5-	14:40, PID (SOIL) = 1.5 PPMV
			<u>SILT</u> 2.5Y 4/4, no plasticity, well compacted, firm, iron stains, dry, no odor, (ML). <u>SILT</u> 2.5Y 3/6, no plasticity, compacted, firm, iron stained, organic material, minor sand and clay, dry, no odor, (ML).		-10-	14:50, PID (SOIL) = 0 PPMV
65			<u>SAND</u> 10YR 5/6, fine to medium grained, loose, poorly graded, quartz, mafics and mica, iron stains, dry, no odor, (SP).			
70		23D0205	<u>SILT</u> 10YR 4/6, no plasticity, very well compacted, brittle, numerous voids, voids filled with organics, iron stains, dry, no odor, (ML).		-15-	15:10, PID (SOIL) = 0 PPMV

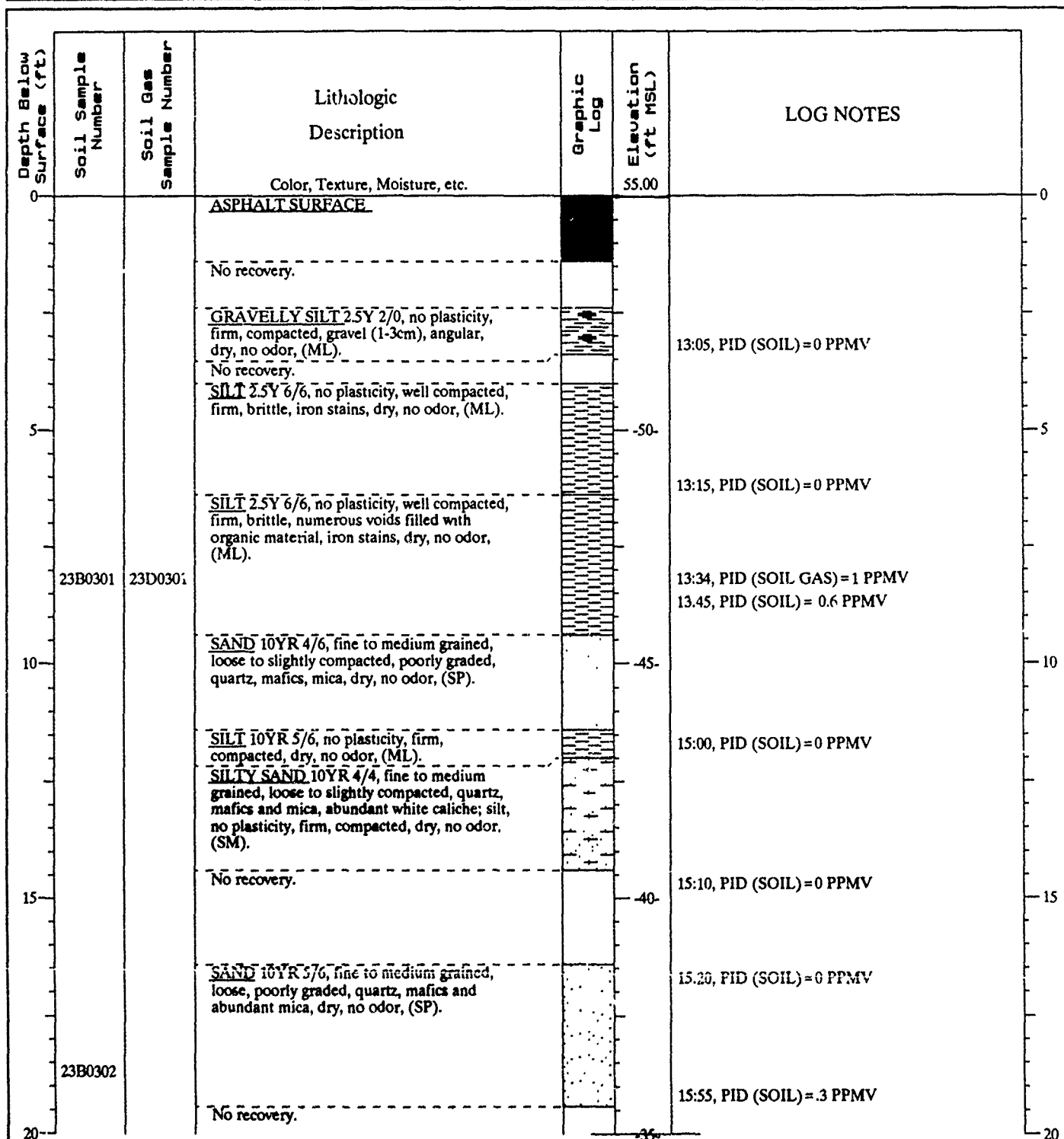
LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
75					-20-	16:00, PID (SOIL)=0 PPMV
						16:15, PID (SOIL)=0 PPMV
						PID (SOIL)=0 PPMV
80			<u>TOTAL DEPTH</u>		-25-	
85					-30-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base	
TOTAL DEPTH	79.50	START DATE	10/10/90	FINISH DATE	10/11/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Cubylo		CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.		DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75"		EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 23, Adjacent to Probe 23P19.				


****NOTES****

PID = Photoionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20			<u>SAND</u> 10YR 5/6, fine to medium grained, loose, poorly graded, quartz, mafics and abundant mica, dry, no odor, (SP).			16:05, PID (SOIL)=0 PPMV
			<u>SAND</u> 2.5Y 6/4, fine to medium grained, loose to slightly compacted, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			
			<u>SILT</u> 2.5Y 6/2, no plasticity, compacted, firm, brittle, minor iron stains, dry, no odor, (ML).			
25			<u>SAND</u> 2.5Y 7/0, fine grained, loose, poorly graded, quartz, mica and minor mafics, dry, no odor, (SP).		-30-	16:10, PID (SOIL)=.1 PPMV
			<u>SANDY SILT</u> 2.5Y 4/4, no plasticity, compacted, firm, brittle, minor voids, minor iron stains, quartz and mafics, dry, no odor, (ML).			
			<u>SILT</u> 2.5Y 5/6, no plasticity, well compacted, firm, brittle, iron stained, organics, dry, no odor, (ML).			
			<u>SAND</u> 2.5Y 6/0, fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			16:20, PID (SOIL)=0 PPMV
30			<u>SANDY SILT</u> 2.5Y 5/4, no plasticity, compacted, semi firm, iron stains; sand, fine grained, loose, quartz, mafics and mica, dry, no odor, (ML).		-25-	
			<u>SAND</u> 2.5Y 5/2, fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			STOP 10/10/90, START 10/11/90. 7:30, PID (SOIL)=0 PPMV
			<u>SAND</u> 2.5Y 5/2, fine grained, loose, poorly graded, quartz, mafics, mica; minor amount of silt, no plasticity, firm, compacted, dry, no odor, (SP).			
35	23B0303 23B0304	23D0303	<u>SILTY SAND</u> 2.5Y 3/2, fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, dry, no odor, (SP).		-20-	PID (SOIL GAS)=.1 PPMV 8:10, PID (SOIL)=4 PPMV
			<u>SILT</u> 5Y 5/4, no plasticity, compacted, semi-firm, brittle, numerous voids filled with organic material, iron stains, dry, no odor, (ML).			8:20, PID (SOIL)=0 PPMV
			<u>SANDY SILT</u> 10YR 5/4, no plasticity, compacted, semi-firm, brittle, numerous voids filled with organic material and fine grained sand; sand interbeds (apprx .3"), fine grained, loose, quartz, dry, no odor, (ML).		-15-	8:30, PID (SOIL)=0 PPMV
40			No recovery.			8:50, PID (SOIL)=0 PPMV
			<u>SAND</u> 10YR 4/4, fine to medium grained, compacted, brittle, poorly graded, quartz, abundant mafics and mica, iron stains, dry, no odor (SP).			
45	23B0305		No recovery.			9:00, PID (SOIL)=4 PPMV
			<u>SAND</u> 10YR 4/4, fine to medium grained, compacted, brittle, poorly graded, quartz,		-10-	

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			abundant mafics and mica, iron stains, abundant organic material, dry, no odor (SP). No recovery.			9:20, PID (SOIL)=0 PPMV
50			<u>SANDY SILT</u> 10YR 4/4, no plasticity, well compacted, firm, iron stains; sand, fine grained, compacted, quartz, mafics and mica, dry, no odor, (ML). No recovery.		-5-	9:30, PID (SOIL)=0 PPMV
			<u>SAND</u> 2.5Y 5/4, very fine to fine grained, loose, poorly graded, quartz, mafics and abundant mica, iron stains, dry, no odor, (SP). No recovery.			9:45, PID (SOIL)=0 PPMV
			<u>SANDY SILT</u> 2.5Y 5/4, no plasticity, compacted, semi-firm, brittle, iron stained, voids filled with organic material, quartz, mafics and mica, dry, no odor, (ML).			PID (SOIL GAS)=.1 PPMV
55		23D0304	<u>SILTY SAND</u> 2.5Y 5/4, fine grained, loose to compacted, poorly graded, iron stains; silt interbeds (approx 5"), no plasticity, compacted, firm, voids with organic material, iron stains, dry, no odor, (SM).		-0-	10:30, PID (SOIL)=0 PPMV
			<u>SILTY SAND</u> 2.5Y 5/4, fine grained, loose to compacted, poorly graded, abundant iron stains; silt interbeds (approx 5"), no plasticity, compacted, firm, many voids with organic material, dry, no odor, (SM). No recovery.			11:00, PID (SOIL)=0 PPMV
60					-5-	11:10, PID (SOIL)=0 PPMV
			<u>SANDY SILT</u> 2.5Y 4/4, no plasticity, compacted, firm, iron stained, quartz, mafics, dry, no odor, (ML).			
65			<u>SAND</u> 2.5Y 4/4, fine grained, loose, poorly graded, iron stains, quartz, mafics, mica, dry, no odor, (SP).		-10-	12:30, PID (SOIL)=0 PPMV
			<u>SILT</u> 2.5Y 5/6, no plasticity, well compacted, hard, minor iron stains, dry, no odor, (ML).			13:15, PID (SOIL)=0 PPMV PID (SOIL GAS)=.8 PPMV 13:30, PID (SOIL)=.2 PPMV
70	23B0306	23D0305	<u>CLAY</u> 2.5Y 6/4, moderate plasticity, dense, hard, dry, no odor, (CL).		-15-	13:50, PID (SOIL)=0 PPMV

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			<u>SILT</u> 10YR 6/8, no plasticity, well compacted, hard, abundant organic material, iron stains, dry, no odor, (ML).			PID (SOIL)=0 PPMV
75			<u>SILT</u> 10YR 6/8, no plasticity, compacted, semi-firm, abundant voids filled with organic material, abundant iron stains, dry, no odor, (ML).		-20-	PID (SOIL)=0 PPMV
80			<u>TOTAL DEPTH</u>		-25-	14:10, PID (SOIL)=0 PPMV
85					-30-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base
TOTAL DEPTH	79.50	START DATE	10/12/90	FINISH DATE 10/15/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Cudde	CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.	DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75"	EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup			
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 23, Adjacent to Probe 23P26.			

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			ASPHALT SURFACE		53.00	
			No recovery.			
			GRAVELLY CLAY 2.5Y 2/0, moderate plasticity, medium stiff, semi-soft; gravel (1-2cm), angular, dry, no odor, (CL).		-50-	9:50, PID (SOIL) = 5 PPMV
			No recovery.			
5			SILT 10YR 5/8, no plasticity, well compacted, very firm, iron stained; minor amount of gravel (1-2cm), angular, dry, no odor, (ML).			PID (SOIL) = .2 PPMV
			No recovery.			
			SAND 10YR 4/6, fine grained, loose to slightly compacted, poorly graded, quartz, mafics and mica, with minor amount of caliche, dry, no odor, (SP).		-45-	10:00, PID (SOIL) = 5 PPMV
			SILTY SAND 2.5Y 5/4, fine grained, loose to compacted, poorly graded, quartz, mafics, mica, abundant caliche between 11' - 12'; silt, no plasticity, firm, compacted, dry, no odor, (SM).			12:20, PID (SOIL GAS) = 18 PPMV
10	23B0401	23D0401				
	23B0402					12:50, PID (SOIL) = 7 PPMV
			SANDY SILT 2.5Y 6/4, no plasticity, well compacted, firm with quartz and mafics; sand, moderate amount of caliche, dry, no odor, (ML).		-40-	PID (SOIL) = 4 PPMV
			No recovery.			
15			SAND 2.5Y 6/2, fine to medium grained, loose, poorly graded, quartz, abundant mafics and mica, dry, no odor, (SP).			14:00, PID (SOIL) = .3 PPMV, PID (SOIL GAS) = .8 PPMV
		23D0402	No recovery.			
			SAND 2.5Y 6/2, fine to medium grained, loose, poorly graded, quartz, abundant mafics and mica, dry, no odor, (SP).		-35-	14:15, PID (SOIL) = 0 PPMV
20						

****NOTES****

PID = Photolionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20			<u>GRAVELLY SAND 2.5Y 6/4</u> , fine to coarse grained, loose to compacted, well graded, quartz, abundant mafics and mica; gravels (1-3cm), rounded, compacted with sand, moist, no odor, (GW).			
			<u>SILT 5Y 6/3</u> , no plasticity, compacted, firm, very brittle, minor organics and iron stains, dry, no odor, (ML).		-30-	14:25, PID (SOIL) = 0 PPMV
25			<u>SANDY SILT 5Y 4/4</u> , no plasticity, slightly compacted, semi-firm, brittle; quartz, mafics in sand, moderate voids, iron stains, dry, no odor, (ML).		-25-	15:00, PID (SOIL) = 0 PPMV
			<u>CLAYEY SILT 2.5Y 5/6</u> , no plasticity, compacted, soft, semi-firm, iron stains with numerous tiny voids; clay, dry, no odor, (ML).		-30-	15:10, PID (SOIL) = 0 PPMV
30			<u>SAND 2.5Y 5/4</u> , fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			15:20, PID (SOIL) = 0 PPMV
			<u>SILT 2.5Y 6/2</u> , no plasticity, hard, compacted, brittle, with abundant iron stains, dry, no odor, (ML).		-20-	
			<u>SAND 10YR 5/6</u> , fine grained, loose to compacted, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			15:40, PID (SOIL) = 0 PPMV
35	23D0403		<u>SILT 2.5Y 6/2</u> , no plasticity, compacted, brittle, minor iron stains, dry, no odor, (ML).			PID (SOIL GAS) = 0 PPMV STOP 10/12/90, START 10/15/90.
			<u>SILT 2.5Y 6/2</u> , no plasticity, compacted, semi-firm, brittle, numerous tiny voids filled with organic material, iron stains, dry, no odor, (ML).		-15-	8:00, PID (SOIL) = 0 PPMV
40	23B0403		<u>SILT 2.5Y 6/2</u> , no plasticity, compacted, semi-firm, brittle, abundant voids, tubes filled with organic material, minor iron stains and caliche, dry, no odor, (ML).			08:10, PID (SOIL) = 0 PPMV
						8:20, PID (SOIL) = 0 PPMV
			<u>SILTY SAND 2.5Y 4/4</u> , fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, iron stains, minor caliche and silt, dry, no odor, (SM).		-10-	
45			<u>SAND 2.5Y 5/4</u> , fine grained, loose to slightly compacted, poorly graded, quartz, mafics, green and red metamorphics, mica, dry, no			8:30, PID (SOIL) = 0 PPMV

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			odor, (SP).			
			<u>SILT 2.5Y 6/8</u> , no plasticity, compacted, firm, abundant iron stains, dry, no odor, (MC).			8:50, PID (SOIL)=0 PPMV
			<u>INTERBEDDED SILTY SAND & SAND 2.5Y 4/4</u> , fine grained, loose to compacted, poorly graded, quartz, mafics and mica, dry, no odor, (SP/SM).		-5-	
50			<u>SILT 2.5Y 5/6</u> , no plasticity, compacted, firm, brittle, minor iron stains, dry, no odor, (ML).			9:05, PID (SOIL)=0 PPMV
			<u>SAND 10YR 3/4</u> , fine to medium grained, loose, poorly graded, quartz, mafics, red metamorphics, mica, dry, no odor, (SP). No recovery.			9:25, PID (SOIL)=0 PPMV
			<u>SAND 10YR 3/4</u> , fine to medium grained, loose, poorly graded, quartz, mafics, red metamorphics, mica, dry, no odor, (SP).		-0-	10:05, PID (SOIL)=.2 PPMV
55	23B0404	23D0404	No recovery.			PID (SOIL GAS)=.2 PPMV
			<u>SAND 10YR 4/6</u> , fine to medium grained, loose, poorly graded, quartz, mafics, green and red metamorphics, iron stains, dry, no odor, (SP).			10:25, PID (SOIL)=0 PPMV
			<u>SILTY SAND 10YR 5/6</u> , fine to medium grained, loose to slightly compacted, quartz, mafics, metamorphics and mica, iron stains; silt interbeds (approx .5") no plasticity, compacted, firm, dry, no odor, (SM).		-5-	10:35, PID (SOIL)=0 PPMV
60			<u>SAND 10YR 3/4</u> , fine to medium grained, loose, poorly graded, quartz, abundant mafics and mica, metamorphics, dry, no odor, (SP).			11:00, PID (SOIL)=0 PPMV
			<u>SILT 2.5Y 6/8</u> , no plasticity, compacted, firm, iron stains, dry, no odor, (ML).		-10-	
			<u>SAND 10YR 3/4</u> , fine to coarse grained, loose, well graded, quartz, mafics, metamorphics and mica, dry, no odor, (SW).			
65			<u>SAND 10YR 4/6</u> , fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			
			<u>SILT 2.5Y 5/6</u> , no plasticity, compacted, firm, iron stains, dry, no odor, (ML).			
			<u>SILTY SAND 10YR 4/6</u> , fine to medium grained, loose to slightly compacted, quartz, mafics and mica; silt, dry, no odor, (SM).			12:30, PID (SOIL)=0 PPMV
			<u>CLAYEY SILT 2.5Y 5/4</u> , low plasticity, slightly compacted, soft; clay, moderate plasticity, medium stiff, dry, no odor, (ML).		-15-	
			<u>SILT 5Y 6/3</u> , no plasticity, very well compacted, very firm, abundant iron stains, dry, no odor, (ML).			13:40, PID (SOIL)=0 PPMV
70			<u>SILT 10YR 5/8</u> , no plasticity, well compacted, very hard with numerous voids filled with organic material, abundant iron stains, dry, no odor, (ML).			

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			<u>SILT</u> 10YR 5/8, no plasticity, compacted, poorly graded, mafics, quartz, very hard with numerous voids filled with organic material, abundant iron stains; sand layer (approx .4") thick, dry, no odor. (ML).		-20-	13:50, PID (SOIL)=0 PPMV
75			<u>SILT</u> 10YR 5/8, no plasticity, compacted, poorly graded, mafics, quartz, very hard, abundant voids and organic material, abundant iron stains, dry, no odor, (ML).			14:15, PID (SOIL)=0 PPMV
					-25-	PID (SOIL)=0 PPMV
23B0405	23D0405		<u>TOTAL DEPTH</u>			15:20, PID (SOIL)=0 PPMV
80						
					-30-	
85						

LOG OF DRILLING OPERATIONS

PROJECT	<u>Operable Unit B Soil Gas Validation Study</u>			LOCATION	<u>McClellan Air Force Base</u>		
TOTAL DEPTH	<u>79.50</u>	START DATE	<u>10/16/90</u>	FINISH DATE	<u>10/17/90</u>		
GEOLOGIST	<u>Mike Thomas</u>	APPROVED BY	<u>Thomas F. Cukrzycki</u>		CALIF R.G.#	<u>4473</u>	
DRILLING COMPANY	<u>Water Developement Co.</u>			DRILLER	<u>Morris Peterson</u>		
DRILLING METHOD	<u>Hollow-Stem Auger, 3.75"</u>			EQUIPMENT	<u>Mobile B53</u>		
DRILL BIT TYPE AND SIZE	<u>8" drag bit, 2.5" Modified CA Sampler, MOSS setup</u>						
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	<u>Site 23, Adjacent to Probe 23P32.</u>						

Depth, Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>ASPHALT SURFACE</u>		54.00	
			No recovery.			
			<u>CLAY</u> 10YR 8/4, high plasticity, high stiffness, dense, damp, no odor, (CL).			
			No recovery.			10:15, PID (SOIL)=0 PPMV
			<u>SILT</u> 10YR 4/6, no plasticity, well compacted, hard, iron stained, with moderate amount of caliche, dry, no odor, (ML).		-50-	
			No recovery.			10:30, PID (SOIL)=0 PPMV
			<u>SANDY SILT</u> 2.5Y 5/4, no plasticity, compacted, semi-firm with iron stains and minor caliche; moderate amount of sand, loose, quartz, mafics. dry, no odor, (ML).		-45-	10:50, PID (SOIL)=.5 PPMV, PID (SOIL GAS)=2 PPMV
23B0501	23D0501					
			<u>SILT</u> 5Y 5/4, no plasticity, well compacted, firm, with abundant caliche, dry, no odor, (ML).			11:10, PID (SOIL)=.5 PPMV
			<u>SILT</u> 2.5Y 6/4, no plasticity, compacted, firm, brittle with abundant amount of organic material, iron stains, dry, no odor, (ML).		-40-	
			<u>SILTY SAND</u> 5Y 5/3, fine grained, loose to compacted, friable, poorly graded, quartz, mafics and mica; silt, dry, no odor, (SM).			11:20, PID (SOIL)=0 PPMV
			<u>SILT</u> 5Y 5/3, no plasticity, compacted, hard, abundant organic material, dry, no odor, (ML).			12:30, FID (SOIL)=0 PPMV
			<u>SAND</u> 5Y 6/2, fine grained, loose to compacted, friable, poorly graded, quartz and abundant mafics, mica, dry, no odor, (SP).		-35-	PID (SOIL)=0 PPMV
23B0502						

****NOTES****

PID = Photolionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20						13:00, PID (Breathing Zone [BZ]) = 2.4 PPMV
			<u>SANDY SILT 5Y 5/2</u> , no plasticity, compacted, firm, brittle, iron stain, organic material, fine grained sand, quartz, mafics, dry, no odor, (ML).			PID (SOIL) = .2 PPMV
			<u>SILT 5Y 5/2</u> , no plasticity, firm, compacted, brittle, numerous voids filled with organic material, iron stains, dry, no odor, (ML).		-30-	13:15, PID (SOIL) = 0 PPMV
25			<u>SAND 5Y 6/2</u> , fine grained, loose to slightly compacted, friable, poorly graded, quartz and abundant mafics, mica, dry, no odor, (SP).			13:30, PID (SOIL) = 0 PPMV
			<u>SANDY SILT 5Y 6/3</u> , no plasticity, compacted, firm, brittle, minor iron stains and organic material, sand, fine grained, mafics, quartz, dry, no odor, (ML).		-25-	13:40, PID (SOIL) = 0 PPMV
30			No recovery.			
			<u>SAND & SANDY SILT 5Y 4/4</u> , Interbedded (approx .5' to 1'), SAND - fine grained, loose, poorly graded, quartz, mafics and mica, iron stains, dry, no odor, (SP). SANDY SILT - 5Y 4/4, no plasticity, compacted, firm, brittle, iron stains, minor organic material and sand, quartz, mafics, dry, no odor, (ML).			13:55, PID (SOIL) = 0 PPMV
23B0503			No recovery.		-20-	PID (SOIL) = 0 PPMV
35			<u>SILT 5Y 6/2</u> , no plasticity, well compacted, firm, brittle, numerous voids filled with organic material, abundant iron stains, dry, no odor, (ML).			14:00, PID (SOIL) = 0 PPMV
			<u>SAND 2.5Y 4/4</u> , fine to medium grained, loose, poorly graded, quartz, abundant mafics and mica, dry, no odor, (SP).		-15-	14:30, PID (SOIL) = 0 PPMV
40			No recovery.			
			<u>SILT 2.5Y 5/6</u> , no plasticity, well compacted, very firm, brittle, iron staining, caliche, dry, no odor, (ML).			14:55, PID (SOIL) = 0 PPMV
			<u>SILT 5Y 6/2</u> , no plasticity, very firm, well compacted, iron stains, minor clay, dry, no odor, (ML).		-10-	
45			No recovery.			

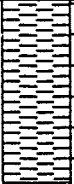
LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
						15:10, PID (SOIL)=0 PPMV
			<u>SAND 2.5Y 5/6</u> , fine to medium grained, loose, poorly graded, quartz, mafics, mica and metamorphics, iron stains, dry, no odor, (SP).			
			<u>SILT 2.5Y 5/6</u> , no plasticity, well compacted, firm, brittle, iron staining, organic material, dry, no odor, (ML).		-5-	15:20, PID (SOIL)=0 PPMV
50			<u>SILT 2.5Y 6/4</u> , no plasticity, compacted, firm, brittle, abundant voids filled with organic material, abundant iron staining, dry, no odor, (ML).			PID (SOIL)=0 PPMV
			<u>SAND 2.5Y 5/6</u> , f, lse, prly grdd, qtz, maf, mica, iron staining, dry, n/odor, (SP).		-0-	PID (SOIL)=0 PPMV
55			<u>SILT 2.5Y 6/4</u> , no plasticity, compacted, firm, brittle, abundant voids filled with organic material, abundant iron staining, dry, no odor, (ML).			
			<u>SANDY SILT 2.5Y 3/2</u> , no plasticity, compacted, firm, iron stained; sand, abundant fine quartz, mafics and mica sand, dry, no odor, (ML).			15:30, PID (SOIL)=4 PPMV
	23B0504					PID (SOIL)=6 PPMV
	23B0505				-5-	
60			No recovery.			PID (SOIL)=0 PPMV
			<u>SAND</u>			16:00, PID (SOIL)=0 PPMV
					-10-	
65			No recovery.			
			<u>SILTY SAND & SAND 2.5Y 5/6</u> , fine to medium grained, loose, poorly graded, quartz, mafics, mica and metamorphics with silty sand interbeds (approx 5'), firm, compacted, dry, no odor, (SP/SM).			16:10, PID (SOIL)=10 PPMV
	23B0506				-15-	
70			No recovery.			PID (SOIL)=1.5 PPMV
			<u>SILT 2.5Y 5/4</u> , no plasticity, compacted, firm, brittle, numerous voids filled with organic material, abundant iron stains, minor amount of fine sand, quartz, mafic, dry, no			

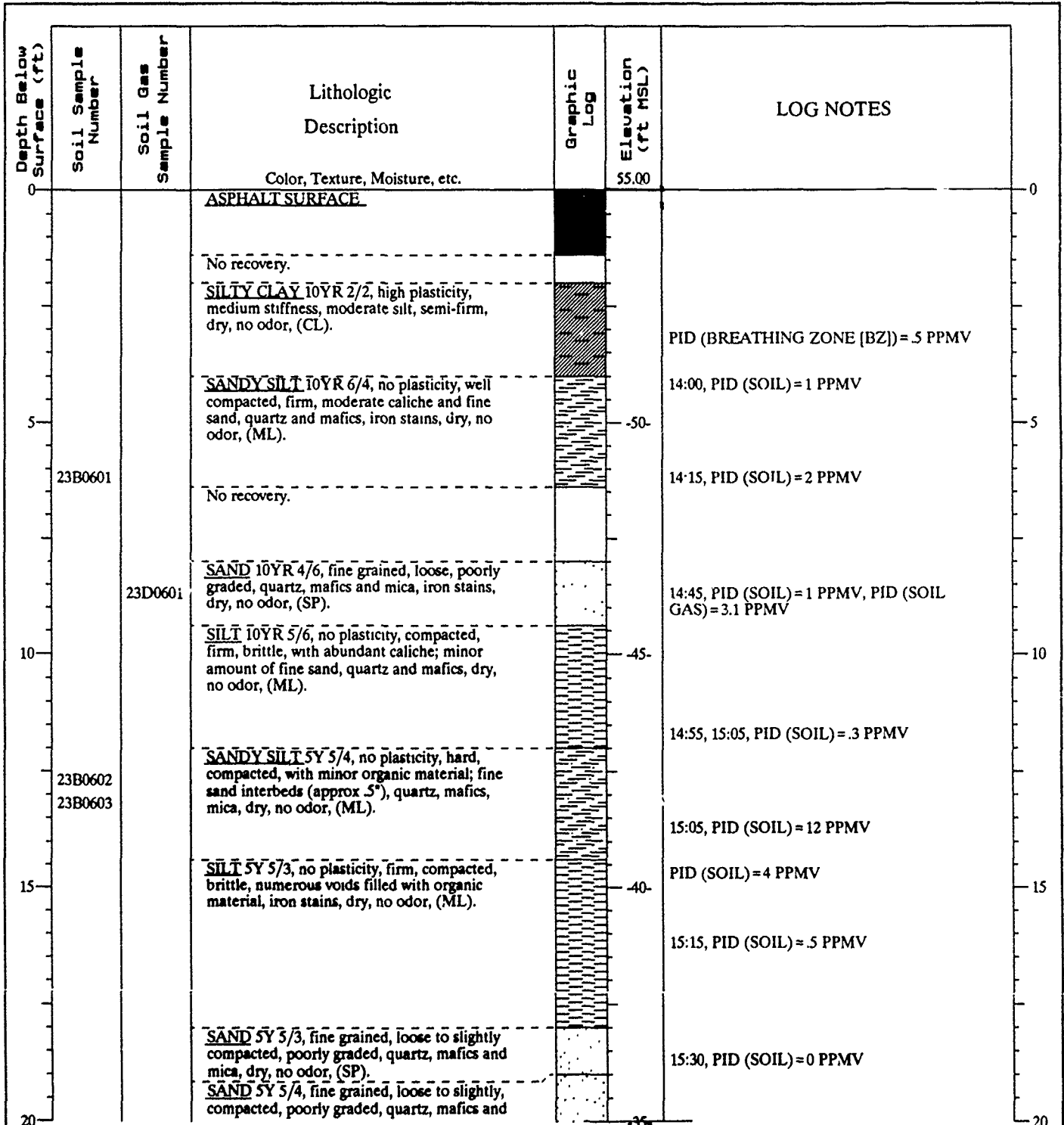
LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			odor, (ML).			16:15, PID (SOIL)= 2 PPMV
75		23D0502	No recovery.		-20-	STOP 10/16/90, START 10/17/90.
			SANDY SILT 2.5Y 5/6, no plasticity, compacted, brittle, with abundant iron stains; fine sand, quartz and mafics, dry, no odor, (ML).		-25-	8:15, PID (SOIL GAS)= .3 PPMV
80			TOTAL DEPTH			PID (SOIL)=0 PPMV
85					-30-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base	
TOTAL DEPTH	79.50	START DATE	10/17/99	FINISH DATE	10/18/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Cudde	CALIF R.G.#	4473
DRILLING COMPANY	Water Development Co.		DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75"		EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 23, Adjacent to Probe 23P31.				


****NOTES****

PID = Photoionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20	23B0604	23D0602	mica, dry, no odor, (SP).			16:00, PID (SOIL) = .3 PPMV, PID (SOIL GAS) = 2.5 PPMV
			SAND 5Y 5/4, fine grained, loose to slightly compacted, poorly graded, quartz, mafics and mica; from 23.5' - 23.9' silt, no plasticity, firm, dry, no odor, (SP).			16:10, PID (SOIL) = 0 PPMV STOP 10/17/90, START 10/18/90
25			SILT 5Y 5/3, no plasticity, compacted, firm, brittle, minor voids filled with organic material, dry, no odor, (ML).		-30-	
			SAND 5Y 5/4, fine grained, loose to compacted, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			
		23D0603	SANDY SILT 5Y 5/3, no plasticity, compacted, semi-firm, brittle, with abundant iron stains; fine sand, quartz and mafics, dry, no odor, (ML).			7:45, PID (SOIL) = 1 PPMV
30			SILT 5Y 5/3, no plasticity, firm, compacted, brittle, with numerous tiny (approx 1cm) voids, abundant iron stains, dry, no odor, (ML).		-25-	
			SAND 5Y 5/4, fine grained, loose to compacted, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			8:20, PID (SOIL) = .1 PPMV
			SILT 5Y 5/3, no plasticity, semi-compacted, semi-firm, brittle, with iron stains, dry, no odor, (ML).			8:35, PID (SOIL) = .1 PPMV
35			SILT 2.5Y 6/4, no plasticity, well compacted, very firm, with abundant voids, filled with organic material, iron stains, dry, no odor, (ML).		-20-	8:50, PID (SOIL) = .1 PPMV
			SANDY SILT 2.5Y 3/4, no plasticity, semi compacted, semi-firm, brittle, with iron stains; fine sand, quartz and mafics, dry, no odor, (ML).			9:05, PID (SOIL) = .5 PPMV
40	23B0605		SILT 2.5Y 6/4, no plasticity, well compacted, firm, brittle, abundant voids, filled with organic material, abundant iron stains, dry, no odor, (ML).		-15-	9:20, PID (SOIL) = 0 PPMV
			SILT 2.5Y 6/4, no plasticity, compacted, firm, brittle, with organic material and iron stains, dry, no odor, (ML).		-10-	9:40, PID (SOIL) = 0 PPMV

LOG OF DRILLING OPERATIONS

PROJECT			Operable Unit B Soil Gas Validation Study		LOCATION		McClellan Air Force Base	
Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES		
	23B0606	23B0604	<u>SAND 2.5Y 5/6</u> , fine grained, loose to compacted, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			9:50, PID (SOIL) = .2 PPMV		
	23B0607		<u>SAND 2.5Y 5/6</u> , fine to medium grained, loose, poorly graded, quartz, mafics, mica and metamorphics, iron stains, dry, no odor, (SP).			10:30, PID (SOIL) = 1 PPMV, PID (SOIL GAS) = 1.5 PPMV		
50			<u>SANDY SILT 2.5Y 6/8</u> , no plasticity, compacted, firm, brittle, with iron stains; fine sand, quartz and mafics, dry, no odor, (ML)		-5-	10:40, PID (SOIL) = 0 PPMV		
			<u>SILT 5Y 5/4</u> , no plasticity, compacted, firm, brittle, with abundant organic material and iron stains, dry, no odor, (ML).			10:45, PID (SOIL) = 0 PPMV		
55			No recovery.		-0-			
			<u>SILTY SAND 5Y 5/6</u> , no plasticity, compacted, firm, with iron stains; moderate amount of fine sand, quartz and mafics, dry, no odor, (ML).			11:05, PID (SOIL) = 0 PPMV		
			<u>SILT 2.5Y 5/6</u> , no plasticity, firm, compacted, brittle, with abundant iron stains and organic material, dry, no odor, (ML).			11:15, PID (SOIL) = 0 PPMV		
60			No recovery.		-5-			
			<u>SAND 10YR 5/8</u> , fine grained, loose, poorly graded, quartz, mafics, mica and metamorphics, iron stains, dry, no odor, (SP).			12:45, PID (SOIL) = 0 PPMV		
			<u>SILT 2.5Y 5/6</u> , no plasticity, compacted, firm, iron stains, dry, no odor, (ML).			13:00, PID (SOIL) = 0 PPMV		
65			<u>SANDY SILT & SILTY SAND 2.5Y 5/3</u> , interbeds (approx .5"), no plasticity, firm, compacted, brittle, abundant iron stains, minor voids; fine sand, loose, compacted, quartz and mafics sands, dry, no odor, (ML/SM).		-10-	13:10, PID (SOIL) = 0 PPMV		
	23B0608		<u>SAND 2.5Y 5/3</u> , no plasticity, loose, poorly graded, quartz, mafics, mica and metamorphics, iron stains, dry, no odor, (SP).			13:30, PID (SOIL) = 5 PPMV		
70		23D0605	<u>SILT 2.5Y 5/4</u> , no plasticity, compact, firm, brittle, with minor amount of organic material, dry, no odor, (ML).		-15-	PID (SOIL GAS) = .5 PPMV		

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
						14:15, PID (SOIL) = 0 PPMV
75			No recovery.		-20-	14:25, PID (SOIL) = 0 PPMV
			<u>SILT</u> 2.5Y 5/4, no plasticity, compact, firm, brittle, abundant organic material, dry, no odor, (ML).			PID (SOIL) = 0 PPMV
80			<u>TOTAL DEPTH</u>		-25-	14:40, PID (SOIL) = 0 PPMV
85					-30-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base	
TOTAL DEPTH	80.00	START DATE	9/24/90	FINISH DATE	9/26/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Cuby		CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.		DRILLER	Morris Petersen	
DRILLING METHOD	Hollow-Stem Auger, 3.75" ID		EQUIPMENT	Mobilite B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 24, Adjacent to Probe 24P08				

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>BLACKTOP SURFACE</u>		64.00	Start 9/24/90.
			<u>GRAVELLY SILT</u> no plasticity, wood chips; gravel (1" - 6"), subrounded, fill material in general, dry, no odor, (ML).		-60-	PID (Breathing Zone [BZ]) = 0.3 PPMV
5			No recovery from sampler, cutting indicated silty gravels (2" - 6"), angular with fill material (wood, nails).			
			<u>SILT</u> no plasticity, loose, quartz, mafics; gravel (2" - 6"), subrounded to rounded, dry, no odor, (ML).		-55-	PID (SOIL GAS) = .1 PPMV
10	24B0101	24D0101	<u>SILT</u> no plasticity, loose, quartz, mafics; gravel (2" - 6"), fill material (wood, nails, cement, etc), (ML).			13:30, PID (BZ) = .1 PPMV, PID (SOIL) = 3.8 PPMV
			No recovery.			PID (SOIL) = .9 PPMV
			<u>SILT</u> no plasticity, loose, with abundant wood, wire, metal and gravel (2" - 6"), (ML).		-50-	PID (HOLE) = 5.7 PPMV
15	24B0102		<u>SILT</u> no plasticity, loose, with abundant wood, wire, metal and gravel (2" - 6"), (ML).			14:05, PID (SOIL) = 40 PPMV
			No recovery from sampler, fill material, gravel, silt, nails and metal.		-45-	PID (SOIL GAS) = 64 PPMV
20		24D0102				

****NOTES****
PID = Photoionization Detector
ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

PROJECT			Operable Unit B Soil Gas Validation Study		LOCATION		McClellan Air Force Base	
Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES		
20			No recovery.			15:00, PID (SOIL) = 107 PPMV		
		24D0103	SAND 7.5YR 5/0, fine to medium grained, loose, poorly graded, quartz, feldspar, mafics, dry, no odor, (SP).			15:20, PID (HOLE) = 17 PPMV, PID (BZ) = 3 PPMV, PID (SOIL) = 155 PPMV PID (SOIL GAS) = 102 PPMV		
	24B0103				-40-	15:40, PID (SOIL) = 216 PPMV		
25	24B0104		No recovery.			PID (SOIL) = 200 PPMV 26'- 35', moss system, 9' with 3' of recovery.		
			SAND 5Y 5/2, fine grained, loose, poorly graded, subrounded to subangular, quartz, mafics, feldspar, mica, dry, no odor, (SP).					
			No recovery.		-35-	PID (SOIL) = 171 PPMV End 9/24/90, Start 9/25/90.		
30			SILTY CLAY 5Y 5/2, low plasticity, compacted, dense, dry, faint odor, (CL).			PID (SOIL) = 15 PPMV		
			No recovery.					
			SILTY CLAY 5Y 5/2, low plasticity, compacted, dense, silt, quartz, mafics, dry, faint odor, loose, (CL).		-30-	PID (SOIL) = 4 PPMV		
35			SANDY SILT 5Y 4/4, no plasticity, loose, quartz, mafics, mica, with abundant iron stains, dry, very faint odor, (ML).			PID (SOIL) = 8-10 PPMV		
			No recovery.					
		24D0104	SAND 5Y 4/3, fine grained, loose, quartz, feldspar, mafics, mica, dry, no odor, (SP).					
			SILT 5Y 5/3, no plasticity, compacted, firm, iron stains, dry, no odor, (ML).		-25-	PID (SOIL GAS) = 130 PPMV		
40			SILTY SAND 2.5Y 5/4, fine grained, loose, qtz, feld, mafic, dry, no odor, (SM).					
	24B0105		SILT 2.5Y 5/6, no plasticity, firm, compacted, iron stains, carbonaceous, dry, faint odor, (ML).			10:30, PID (SOIL) = 2.5 PPMV		
			No recovery.					
			SILT 2.5Y 5/6, no plasticity, firm, compacted, with iron stains, dry, no odor, (ML).					
		24D0105	SILT 2.5Y 6/6, no plasticity, firm, compacted, with iron stains, dry, no odor, (ML).		-20-	PID (SOIL) = 1-3 PPMV PID (SOIL GAS) = 3 PPMV		
45								

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			<u>SILT 2.5Y 3/6, no plasticity, firm, compacted, iron stains, carbonaceous material, dry, no odor, (ML)</u>			PID (SOIL)=0-1 PPMV
			No recovery.		-15-	PID (SOIL)=0-1 PPMV
50			<u>CLAY 10YR 5/6, moderate plasticity, dense, dry, no odor, (CL).</u>			
			No recovery.			
			<u>SILT 2.5Y 3/6, no plasticity, firm, compacted, iron stains, carbonaceous, dry, no odor, (ML).</u>		-10-	PID (SOIL)=1-3 PPMV
55			<u>SILT 2.5Y 3/6, no plasticity, firm, compacted, iron stains, dry, no odor, (ML).</u>			PID (SOIL)=0-1 PPMV
	24D0106		No recovery (moss).			PID (SOIL GAS)=117 PPMV
					-5-	STOP 9/25/90, START 9/26/90 08:10, PID (SOIL)=12 PPMV Sampler free fell to bottom (winch bled off).
60			<u>SILT 2.5Y 3/6, no plasticity, firm, compacted, brittle, carbonaceous, dry, no odor, (ML).</u>			09:20, PID (SOIL)=1-2 PPMV
			<u>SANDY SILT 2.5Y 5/4, no plasticity, firm, semi-compacted; sand, quartz and mafics, feldspar, dry, no odor, (ML).</u>			09:35, PID (SOIL)=10 PPMV
	24B0106		<u>SANDY SILT 2.5Y 6/4, no plasticity, semi-compacted, semi-firm; sand, loose quartz, feldspar, mafics, mica, dry, no odor, (ML).</u>		-0-	09:45, PID (SOIL)=70 PPMV
65			<u>SILT 5Y 6/4, no plasticity, firm, compacted, carbonaceous, iron stains, trace fine quartz, feldspar, mafics, dry, no odor, (ML).</u>			10:00, PID (SOIL)=1-3 PPMV
			<u>SILT 2.5Y 6/4, no plasticity, firm, compacted, brittle, carbonaceous, iron stained, dry, no odor, (ML).</u>			10:50, PID (SOIL)=2-12 PPMV
	24D0107		<u>SANDY SILT 2.5Y 5/4, no plasticity, semi compacted, semi-firm, fine sand, loose quartz, mafics and mica, dry, faint odor, (ML).</u>			PID (SOIL GAS)=13 PPMV
			No recovery (drilled 69' - 70').		-5-	PID (SOIL)=12 PPMV Moss system used.
70			<u>SILT 2.5Y 7/2, no plasticity, firm, compacted, brittle, iron stains, dry, no odor, (ML).</u>			11:15, PID (SOIL)=43 PPMV
						11:45, PID (SOIL)=33 PPMV
						13:00, PID (SOIL)=2-5 PPMV
						13:15, PID (SOIL)=15 PPMV

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
75			<u>SAND</u> 10YR 5/6, fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP). No recovery (drilled 71.5' - 73').			
			<u>SILTY SAND</u> 2.5Y 6/2, fine grained, loose, poorly graded, quartz, mafics, feldspar, mica, with firm compacted silt, dry, no odor, (SM). No recovery (drilled 74' - 75').		-10-	15:25, PID (SOIL) = 51 PPMV
75			<u>SAND</u> 10YR 6/8, fine to medium grained, loose, poorly graded, quartz, mafics, mica, minor amount of loose silt, dry, no odor, (SP). No recovery (drilled 76' - 78').			13:35, PID (SOIL) = 24 PPMV, PID (HOLE) = 77 PPMV, PID (BZ) = 1-2 PPMV
			<u>SAND</u> 10YR 5/6, fine grained, loose, poorly graded, quartz, mafics, mica, dry, no odor, (SP).			Drilled
80		24D0108			-15-	15:25, PID (SOIL) = 20 PPMV, PID (SOIL GAS) = 150 PPMV
			<u>TOTAL DEPTH</u>			
85					-20-	

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base
 TOTAL DEPTH 79.50 START DATE 9/27/90 FINISH DATE 9/28/90
 GEOLOGIST Mike Thomas APPROVED BY Thomas F. Cudde CALIF R.G.# 4473
 DRILLING COMPANY Water Development Co. DRILLER Morris Peterson
 DRILLING METHOD Hollow-Stem Auger, 3.75" ID EQUIPMENT Mobile B53
 DRILL BIT TYPE AND SIZE 8" drag bit, 2.5" Modified CA Sampler, MOSS setup
 BORING LOCATION (ST. ADDRESS OR DESCRIPTION) Site 24, Adjacent to Probe 24P11.

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>BLACKTOP SURFACE</u>		64.00	
			No recovery.			
			<u>SANDY SILT 10YR 3/4, low plasticity, loose, quartz, mafics; bottom 2" cemented sand, quartz and mafic, dry, no odor, (ML).</u>		-60-	11:55, PID (SOIL) = 1-2 PPMV
			No recovery.			
	24B0201	24D0201	<u>SILTY SAND 2.5Y 6/4, fine to medium grained, loose, poorly graded, quartz, mafics, mica; firm, compacted silt, dry, no odor, (SM)</u>		-55-	12:10, PID (SOIL) = 1-2 PPMV, PID (SOIL GAS) = 8 PPMV
			<u>SAND 2.5Y 5/4, fine grained, loose, poorly graded, iron stained, quartz, mafics, mica, dry, no odor, (SP).</u>			13:00, PID (SOIL) = 0-1 PPMV
			<u>SILT 2.5Y 6/2, firm, compacted, iron stains, dry, no odor, (ML).</u>			13:20, PID (SOIL) = 0-1 PPMV
			<u>SILT 5Y 6/2, no plasticity, firm, well compacted, iron stained, numerous voids and tubes lined with carbonaceous material, dry, no odor, (ML).</u>		-50-	PID (SOIL) = 0-1 PPMV
						PID (SOIL) = 0-1 PPMV
	24B0202	24D0202	<u>SILT 5Y 6/2, no plasticity, firm, well compacted, iron stained, numerous voids and tubes lined with carbonaceous material, dry, no odor, (ML).</u>			14:30, PID (SOIL) = 0-1 PPMV
			<u>SAND 10YR 5/8, fine grained, loose, poorly graded, quartz, mafics, mica, iron stains, (SP).</u>			15:15, PID (SOIL) = 0 PPMV, PID (SOIL GAS) = 2 PPMV
			<u>SILT 5Y 6/2, no plasticity, firm, compacted, iron stains, voids with carbonaceous material,</u>		-45-	

****NOTES****

PID = Photoionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20			dry, no odor, (ML). No recovery.			
			<u>SANDY SILT 10YR 5/6</u> , no plasticity, firm, compacted with voids and carbonaceous material, iron stains; thin fine laminae of sand, quartz, mafics and mica, dry, no odor, (ML).			PID (SOIL) = 0-5 PPMV
			<u>SANDY SILT 10YR 5/6</u> , no plasticity, compacted, firm, brittle, iron stains, very carbonaceous, abundant tiny voids; sand, fine grained, quartz, mica and mafic, dry, no odor, (ML).		-40-	15:40, PID (SOIL) = 63 PPMV
25			<u>SANDY SILT TO SILTY SAND 10YR 4/6</u> , no plasticity, firm, compacted, brittle, iron stains, slightly carbonaceous; sand, fine grained, loose to slightly compacted, quartz, mafics, mica, dry, no odor, (ML/SM).			15:50, PID (SOIL) = 0 PPMV
			<u>SAND 10YR 4/6</u> , fine grained, loose, poorly graded, quartz, mafics, mica; silt, no plasticity, firm, semi compacted, dry, cement chips, faint odor, (SP).			16:00, PID (SOIL) = 134 PPMV
24B0203						
			<u>SAND SILT INTERBEDS 10YR 4/6</u> , silt, no plasticity, firm, compacted, brittle, carbonaceous; sand, fine grained, loose, quartz, mafics, mica, dry, no odor, (ML/SP).		-35-	PID (SOIL GAS) = 2 PPMV
30		24D0203				16:30, PID (SOIL) = 1-4 PPMV
			<u>SILT 2.5Y 7/4</u> , no plasticity, very firm, well compacted, with abundant voids and tubes filled with organic material, dry, no odor, (ML).			16:40, PID (SOIL) = 0-1 PPMV STOP 09/27/90, START 9/28/90.
			<u>SILT 2.5Y 7/4</u> , no plasticity, very firm, well compacted, with abundant voids and tubes filled with organic material, dry, no odor, (ML).		-30-	7:30, PID (SOIL) = 0-5 PPMV
35			<u>SANDY SILT 2.5Y 5/6</u> , fine grained, loose, quartz, mafics; silt, firm, compacted, dry, no odor, (SM).			7:40, PID (SOIL) = 0-5 PPMV
			<u>SAND 2.5Y 4/4</u> , fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			
			No recovery.		-25-	
40						
			<u>SAND 2.5Y 4/4</u> , fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).		-20-	7:55, PID (SOIL) = 0-5 PPMV
45						

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			No recovery.			PID (SOIL) = 0.5 PPMV
						No recovery due to using the wrong shoe
					-15-	
50			<u>SILTY SAND</u> 10YR 5/8, fine grained, loose to slightly compacted, poorly graded, quartz, mafics and mica; silt, firm, compacted, dry, no odor, (SM).			9:20, PID (SOIL) = 7 PPMV
	24B0204		<u>SAND</u> 10YR 4/6, fine grained, loose to slightly compacted, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			10:10, PID (SOIL) = 18 PPMV
		24D0204			-10-	PID (SOIL GAS) = 8 PPMV
55			<u>SAND</u> 10YR 4/6, fine grained, loose to slightly compacted, poorly graded, quartz, mafics, and mica, iron stains; minor amount of silt, slightly compacted, semi firm, dry, no odor, (SP).			10:20, PID (SOIL) = 1-3 PPMV
			<u>SAND</u> 10YR 4/6, fine grained, loose to slightly compacted, poorly graded, quartz, mafics and mica, iron stains; more thin laminae of firm, compacted silt, dry, no odor, (SP).			10:30, PID (SOIL) = 2-3 PPMV
			No recovery.		-5-	
60						
			<u>SAND</u> 10YR 3/4, fine to medium grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			10:45, PID (SOIL) = 1-2 PPMV
			No recovery.			
			<u>SAND</u> 10YR 3/4, fine to medium grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).		-0-	
65			<u>SILT</u> 5Y 5/4, no plasticity, firm, well compacted, brittle, iron stained, carbonaceous material, dry, no odor, (ML).			11:10, PID (SOIL) = 0-1 PPMV
						12:25, PID (SOIL) = 1-2 PPMV
			<u>SILT</u> 5Y 5/4, no plasticity, firm, well compacted, brittle, with abundant voids and tubes filled with organic material, some calcite, iron stains, dry, no odor, (ML).			
					-5-	12:35, PID (SOIL) = 2-3 PPMV
70			<u>SILT</u> 5Y 7/3, no plasticity, firm, well compacted, brittle; thin laminae (approx. 1"), fine sand, quartz and mafics, dry, no odor, (ML).			13:05, PID (SOIL) = 2-3 PPMV

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			<u>SILT</u> 5Y 7/3, no plasticity, firm, well compacted, brittle, voids filled with organic material, thin laminae of coarse sand, quartz, mafics and mica, dry, no odor, (ML).			13:20, PID (SOIL) = 4 PPMV
75			<u>SILT</u> 5Y 7/3, no plasticity, firm, well compacted, brittle with voids filled with organics, (ML).		-10-	13:35, PID (SOIL) = 14 PPMV
			<u>SAND</u> 10YR 3/4, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			PID (SOIL GAS) = 13 PPMV
	24B0205	24D0205	<u>SILT</u> 5Y 7/3, no plasticity, firm, well compacted, brittle, voids filled with organic material, (ML).			14:20, PID (SOIL) = 10 PPMV
			<u>SAND</u> 10YR 5/6, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			
80			<u>TOTAL DEPTH</u>		-15-	
85					-20-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base
TOTAL DEPTH	79.50	START DATE	10/1/90	FINISH DATE 10/2/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. Cuddeback	CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.	DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75" ID	EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup			
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 24, Adjacent to Probe 24P17.			

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>BLACKTOP SURFACE</u>		65.00	
	24B0301		<u>SILT 2.5Y 4/4, no plasticity, compacted, firm, gravel (2cm-3cm), angular, dry, no odor, (ML/FILL).</u>			9:10, PID (SOIL)=0 PPMV
5			<u>SILT 2.5Y 6/6, low plasticity when wet, loose, quartz, mafics; gravel (1-2cm), angular, (ML).</u>		-60-	9:20, PID (SOIL)=3 PPMV
			No recovery.			9:35, PID (SOIL)=0 PPMV
10		24D0301	<u>SILT 2.5Y 6/6, low plasticity when wet, loose, quartz, mafics; gravel (1-5cm), angular, metallic debris, dry, no odor, (ML).</u>		-55-	10:15, PID (SOIL)=.1 PPMV
			No recovery.			
15		24B0302	<u>SILT 2.5Y 6/6, low plasticity when wet, loose, quartz, mafics with gravel (1-5cm), angular, metal, wood and plastic debris, dry, no odor, (ML).</u>			10:30, PID (SOIL)=.1 PPMV
			No recovery.			
		24B0302	<u>SANDY SILT 2.5Y 2/0, low plasticity when wet, quartz, mafics; gravel (2-3cm), angular and sand, fine, loose, quartz, mafics, wood, metal wire and plastic debris, black stains, moist, no odor, (SM).</u>		-50-	10:45, PID (SOIL)=7 PPMV, moved 4' north due to a dog-leg in hole
			No recovery.			PID (SOIL)=3.8 PPMV
		24D0302	<u>SILT black, no plasticity, slightly compacted, with wood, metal, wire, foam, nails and gravel debris, (ML).</u>			
			No recovery.			14:45, PID (SOIL)=1.4 PPMV
20					-45-	

****NOTES****

PID = Photoionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20						Between 19'- 21.5', cut into native soil.
			CLAYEY SILT 2.5Y 6/8, stn blk, mod petro odor, native material, (ML). No recovery.			14:55, PID (SOIL) = 3.8 PPMV
			SILT 2.5Y 5/6, low plasticity, when wet, loose, quartz, mafics, dry, faint odor, (ML).			PID (HOLE) = 27 PPMV PID (Breathing Zone [BZ]) = 1 PPMV
25		24D0303			-40-	15:25, PID (SOIL) = 10 PPMV
			SILTY SAND 2.5Y 6/8, fine grained, loose, poorly graded, quartz, mafics and mica; silt, low plasticity when wet, loose, dry, no odor, (SM).			16:15, PID (SOIL) = 4.5 PPMV
			No recovery.			16:20, PID (SOIL) = 2 PPMV
30			SAND 2.5Y 5/6, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).		-35-	
			SILT 2.5Y 6/4, no plasticity, slightly compacted, semi-firm, iron stains, dry, no odor, (ML).			16:40, PID (SOIL) = 0-1 PPMV
	24B0303		SAND 2.5Y 6/6, fine grained, loose, poorly graded, quartz, mafics and mica, iron stains, dry, no odor, (SP).			STOP 10/01/90, START 10/02/90. 08:00, PID (SOIL) = 4 PPMV
35			No recovery.		-30-	
			SILTY SAND 2.5Y 6/6, fine grained, loose, prly grdd, qtz, mafics and mica, silt, no plas, firm, compacted, iron stns, dry, no odor, (SM).			8:15, PID (SOIL) = 0 PPMV
40			SAND 2.5Y 6/4, fine to medium grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).		-25-	
			SILT 5Y 6/4, no plasticity, firm, well compacted, with numerous tiny voids filled with organic material, iron stains, dry, no odor, (ML).			8:30, PID (SOIL) = 1 PPMV
	24B0304		SANDY SILT 2.5Y 5/6, no plasticity, firm, compacted, brittle, iron stains; sand, fine grained, loose, quartz, mafics and mica, dry, no odor, (ML).			PID (SOIL) = 7 PPMV 8:45, PID (SOIL) = 10 PPMV
45			SILT 10YR 4/6, no plasticity, very firm, compacted, brittle, with numerous voids filled with organic material, iron stains, dry, no odor, (ML).		-20-	

LOG OF DRILLING OPERATIONS

PROJECT			Operable Unit B Soil Gas Validation Study		LOCATION		McClellan Air Force Base	
Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES		
		24D0304				9:40, PID (SOIL)=0 PPMV, PID (SOIL GAS)=22 PPMV		
			No recovery, ears came unlatched					
50			<u>CLAYEY SILT</u> 10YR 4/6, low plasticity when wet, loose, quartz, mafics, mica; clay, moderate plasticity when wet, medium dense, semi-soft, dry, no odor, (ML).		-15-	10:10, PID (SOIL)=0 PPMV		
			<u>SAND</u> 10YR 3/6, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			10:20, PID (SOIL)=0-1 PPMV		
			<u>SILT</u> 2.5Y 5/6, no plasticity, firm, compacted, brittle with iron stains, dry, no odor, (ML).					
55			<u>SANDY SILT</u> 10YR 4/6, no plasticity, compacted, firm, brittle; voids filled with organic material, iron stains, moderate amount of sand, fine grained, loose, quartz and mica, dry, no odor, (ML).		-10-	10:35, PID (SOIL)=0 PPMV		
						10:55, PID (SOIL)=0 PPMV		
			<u>CLAY</u> 10YR 6/3, moderate to high plasticity, dense, firm, moist, no odor, (CL).					
60			<u>SILT</u> 2.5Y 5/4, no plasticity, well compacted, very firm, numerous voids filled with organic material, iron stained, dry, no odor, (ML).		-5-	11:15, PID (SOIL)=0 PPMV		
			<u>SILT</u> 5Y 6/3, no plasticity, well compacted, brittle, firm, iron staining, (ML).		-0-	12:40, PID (SOIL)=0 PPMV		
65						12:50, PID (SOIL)=.6 PPMV		
	24B0305		<u>SAND</u> 10YR 4/6, fine to medium grained, cemented, hard, quartz, mafics and mica, iron stained, dry, no odor, (SP).			PID (SOIL GAS)=5 PPMV		
70		24D0305	<u>SAND</u> 10YR 4/6, fine to medium grained, cemented, hard, quartz, mafics and mica sandstone, calcite, iron stains, dry, no odor, (SP).		-5-			

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
			<u>SAND</u> 10YR 4/6, fine to medium grained, cemented, hard, quartz, mafics and mica, calcite, iron stains: thin laminae (approx .3") of silt, firm, compacted, dry, no odor, (SP).			13:35, PID (SOIL)=0 PPMV
75			<u>SILT</u> 5Y 5/3, no plasticity, well compacted, firm, brittle, abundant iron staining, dry, no odor, (ML).		-10-	13:50, PID (SOIL)=0 PPMV
			<u>INTERBEDDED SAND & SILT</u> (approx .6' between beds) sand, compacted, firm, quartz, mafics and mica, calcite; silt, well compacted, firm, brittle, abundant iron stains, dry, no odor, (SP/ML).			14:15, PID (SOIL)=0 PPMV
80			<u>TOTAL DEPTH</u>		-15-	14:20, PID (SOIL)=0 PPMV
85					-20-	

LOG OF DRILLING OPERATIONS

PROJECT	Operable Unit B Soil Gas Validation Study		LOCATION	McClellan Air Force Base	
TOTAL DEPTH	79.50	START DATE	10/3/90	FINISH DATE	10/4/90
GEOLOGIST	Mike Thomas	APPROVED BY	Thomas F. [Signature]		CALIF R.G.# 4473
DRILLING COMPANY	Water Development Co.		DRILLER	Morris Peterson	
DRILLING METHOD	Hollow-Stem Auger, 3.75"		EQUIPMENT	Mobile B53	
DRILL BIT TYPE AND SIZE	8" drag bit, 2.5" Modified CA Sampler, MOSS setup				
BORING LOCATION (ST. ADDRESS OR DESCRIPTION)	Site 24, Adjacent to Probe 24P21.				

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description Color, Texture, Moisture, etc.	Graphic Log	Elevation (ft MSL)	LOG NOTES
0			<u>SOIL SURFACE</u>		65.00	
			SILT 10YR 7/8, no plasticity, loose, quartz, mafics; gravel (2-3cm), angular, dry, no odor, (ML).			10:30 PID (SOIL) = 1 PPMV
			SILT 10YR 7/8, no plasticity, well compacted, hard; gravel (1-3cm), angular, dry, no odor, (ML).			10:45, PID (SOIL) = 0 - .5 PPMV
5			SAND 7.5YR 4/4, fine to medium grained, compacted (cement), firm to very hard, quartz, mafics, mica, dry, no odor, (SP).		-60-	
	24B0401	24D0401R				11:00, PID (SOIL) = 0 - .1 PPMV 24D0401 was resampled due to a leak in the tubing. PID (SOIL GAS) = 6 PPMV PID (SOIL GAS) = 7 PPMV 11:20, PID (SOIL) = 8 PPMV
10			SANDY SILT 5Y 6/4, no plasticity, slightly compacted, semi-firm, iron stains; sand, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (ML).		-55-	
			SILT 2.5Y 6/4, no plasticity, well compacted, firm, brittle; numerous voids filled with organic material, iron stains, dry, no odor, (ML).			12:20, PID (SOIL) = 1.5 PPMV
						12:30, PID (SOIL) = 5 PPMV
15			SILT 2.5Y 6/4, no plasticity, well compacted, firm, brittle; numerous voids filled with organic material, iron stains, dry, no odor, (ML); sand interbed 16.3' - 16.6', fine grained, slightly compacted, semi-firm, quartz, mafics and mica, dry, no odor, (ML).		-50-	
			SANDY SILT 2.5Y 3/6, no plasticity, slightly compacted, semi-firm, iron stains; sand interbeds (approx 5'), fine grained, loose, poorly graded quartz, mafics, mica, dry, no odor, (ML).			12:40, PID (SOIL) = 0 - .5 PPMV
	24B0402	24D0402R				13:00, PID (SOIL) = 4 PPMV 24D0402 was resampled due to a leak in the tubing.
20			SAND 2.5Y 3/2, fine to medium grained,		-45-	

****NOTES****

PID = Photoionization Detector

ppmv = parts per million per volume

LOG OF DRILLING OPERATIONS

 PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
20			loose, poorly graded, quartz, mafics and mica, dry, no odor, (SP).			
			<u>SILT 2.5Y 6/4</u> , no plasticity, compacted, firm, brittle, iron stains, organic material, dry, no odor, (ML).			13:15, PID (SOIL) = 1 PPMV
			<u>SILT 2.5Y 5/4</u> , no plasticity, compacted, firm, dry, no odor, (ML).			
			<u>CLAY 2.5Y 5/6</u> , moderate plasticity, dense, semi firm, with thin caliche layer (approx 1"), dry, no odor, (CL).			13:25, PID (SOIL) = 0 PPMV
25			<u>SILT 2.5Y 6/4</u> , no plasticity, firm, well compacted, brittle, organic material, iron stains, dry, no odor, (ML).		-40-	13:35, PID (SOIL) = 0 PPMV
			<u>SANDY SILT 2.5Y 5/4</u> , no plasticity, semi-compacted, semi-firm, organic material, iron stains; sand, fine grained, loose, poorly graded, quartz, mafics and mica, dry, no odor, (ML).			13:45, PID (SOIL) = 0 PPMV
30			<u>SAND 10YR 4/6</u> , fine to medium grained, loose, poorly graded, quartz, mafics and mica, iron stain, dry, no odor, (SP).		-35-	14:15, PID (SOIL) = 2 PPMV
	24B0403	24D0403	<u>SAND 2.5Y 5/4</u> , fine grained, loose to slightly compacted, poorly graded quartz, mafics and mica, dry, no odor, (SP).			14:25, PID (SOIL) = 1 PPMV
			<u>SANDY SILT 2.5Y 5/4</u> , no plasticity, slightly compacted, semi-firm, iron stains, no odor, (ML).			
35			No recovery.		-30-	
			<u>SANDY SILT 2.5Y 5/4</u> , no plasticity, compacted, firm, iron stains, organic material, sand, fine grained, compacted, poorly graded quartz, mafics and mica, dry, no odor, (ML).			14:35, PID (SOIL) = 1 PPMV
			<u>SAND 10YR 4/4</u> , fine to medium grained, loose, poorly graded, quartz, mafics and mica, minor iron staining, dry, no odor, (SP).			14:45, PID (SOIL) = 1 PPMV
40			<u>SAND 10YR 4/6</u> , fine grained, loose to slightly compacted, poorly graded, quartz, mafics, mica, iron stains, dry, no odor, (SP).		-25-	
			<u>SILT 2.5Y 6/4</u> , no plasticity, well compacted, firm, organic material, iron stains, dry, no odor, (ML).			14:55, PID (SOIL) = .5 PPMV
			<u>SILTY SAND 2.5Y 4/4</u> , fine grained, slightly compacted to loose, poorly graded, iron stains, quartz, mica and mafics, dry, no odor, (SM).			15:05, PID (SOIL) = 0 PPMV
45			No recovery.		-20-	

LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study

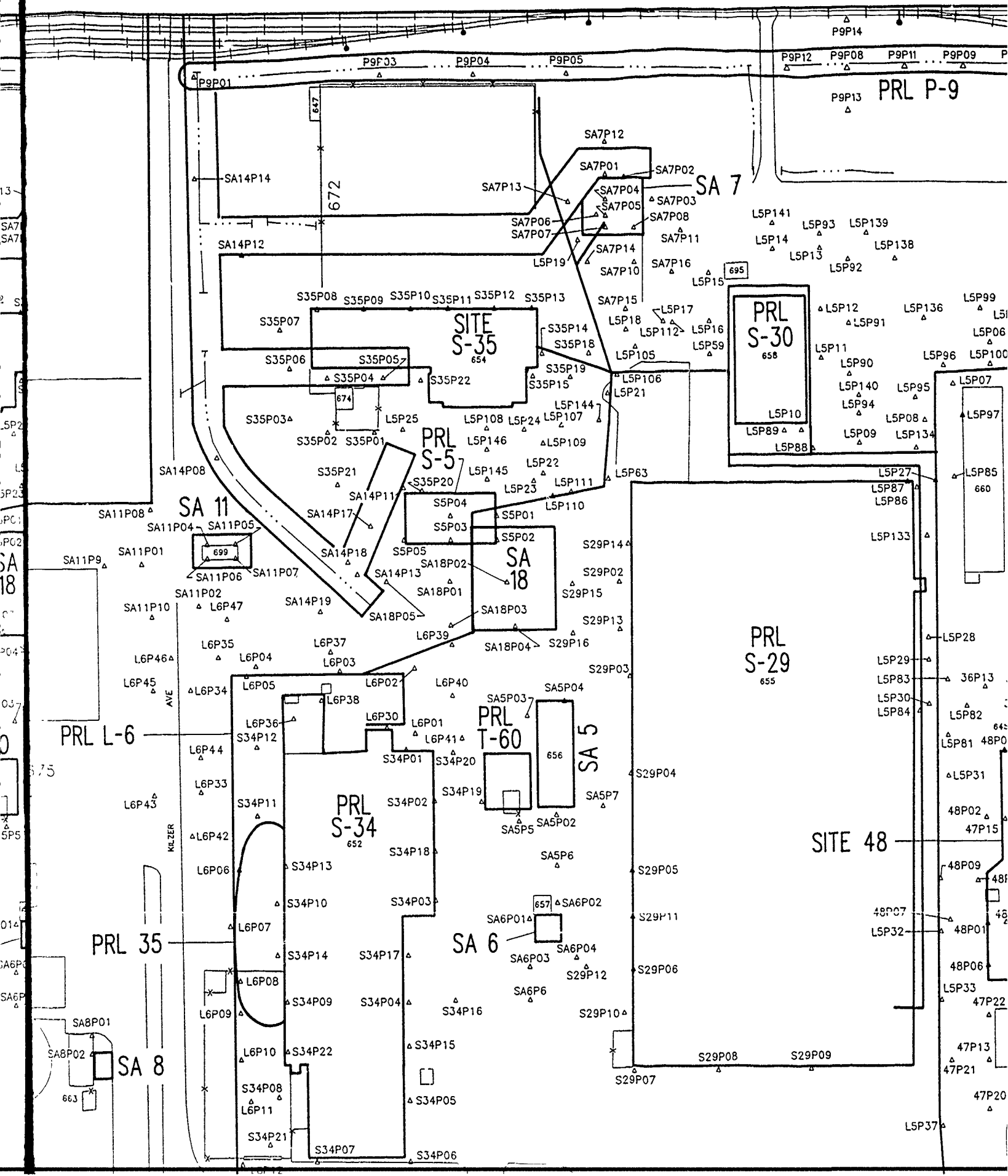
LOCATION McClellan Air Force Base

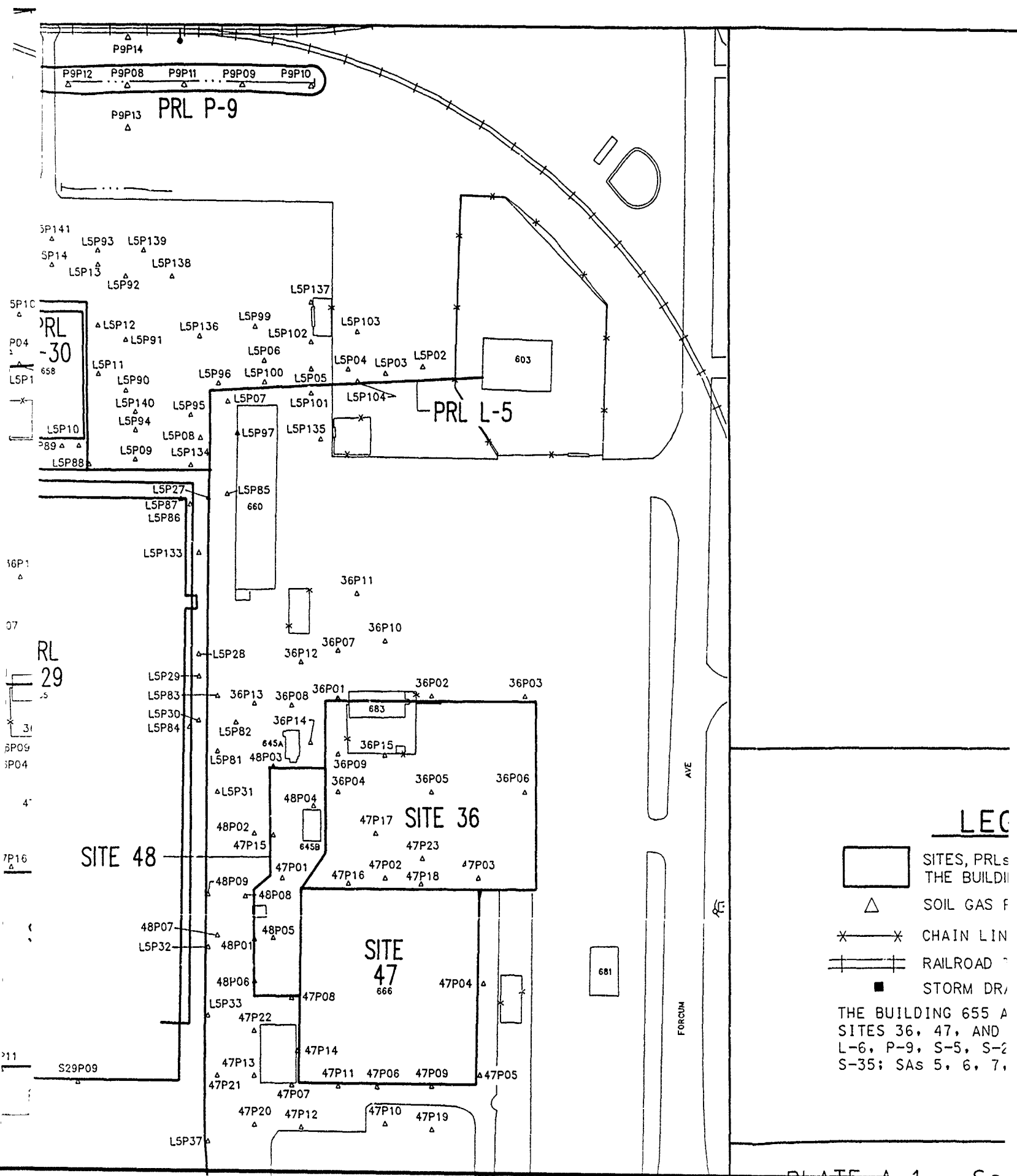
Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
50			<u>SILTY SAND 2.5Y 4/4</u> , fine grained, slightly compacted to loose, poorly graded, iron stains, quartz, mica and mafics, dry, no odor, (SM). No recovery.		-15-	15:25, PID (SOIL)=0 PPMV 15:35, PID (SOILGAS)=0 PPMV
55		24D0404	<u>SILTY CLAY 2.5Y 4/4</u> , moderate plasticity, soft, slightly sticky; loose silt, quartz, mafics, damp, no odor, (CL). No recovery.		-10-	15:45, PID (SOIL)=0 PPMV
60		24B0404	<u>SANDY SILT 10YR 4/6</u> , no plasticity, compacted, semi-firm; sand, fine grained, loose to slightly compacted, poorly graded, quartz, mafics, dry, no odor, (ML). <u>SILT 10YR 5/6</u> , no plasticity, compacted, firm, brittle, organic material, iron stains, dry, no odor, (ML). <u>SILTY CLAY 10YR 5/6</u> , low to moderate plasticity, medium dense, soft, damp, no odor, (CL). <u>SILT 2.5Y 5/6</u> , no plasticity, firm, compacted, brittle, with numerous voids filled with organic material, iron stained; minor sand, fine grained, loose, quartz and mafics, dry, no odor, (ML).		-5-	PID (SOIL GAS)=37 PPMV STOP 10/03/90, START 10/04/90. 8:00, PID (SOIL)=4 PPMV 8:15, PID (SOIL)=4 PPMV
65			<u>SANDY CLAY 10YR 6/6</u> , low plasticity, soft with fine sand, mafics, quartz, mica, damp, no odor, (CL). <u>SILT 2.5Y 3/6</u> , no plasticity, well compacted, very firm, with organic material, iron stains, change in color at 66'-67' to 5Y 6/3, dry, no odor, (ML).		-0-	8:25, PID (SOIL)=4 PPMV 8:35, PID (SOIL)=4 PPMV 8:45, PID (SOIL)=1 PPMV
70		24D0405	<u>SILT 2.5Y 4/4</u> , no plasticity, well compacted, very firm, with iron stains, thin layer (approx .3") of caliche; minor sand, fine grained, loose, poorly graded, quartz, mafics, dry, no odor, (ML). <u>SILT 2.5Y 4/4</u> , no plasticity, well compacted, very firm, with iron stains, thin layers (approx .3") of caliche (slight increase), minor sand, fine grained, loose, poorly graded, quartz, mafics, dry, no odor, (ML).		-5-	9:15, PID (SOIL)=2 PPMV PID (SOIL GAS)=.5 PPMV

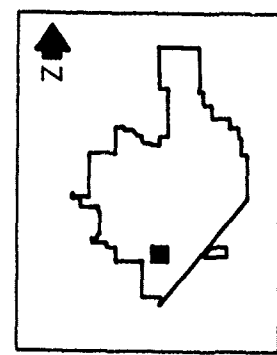
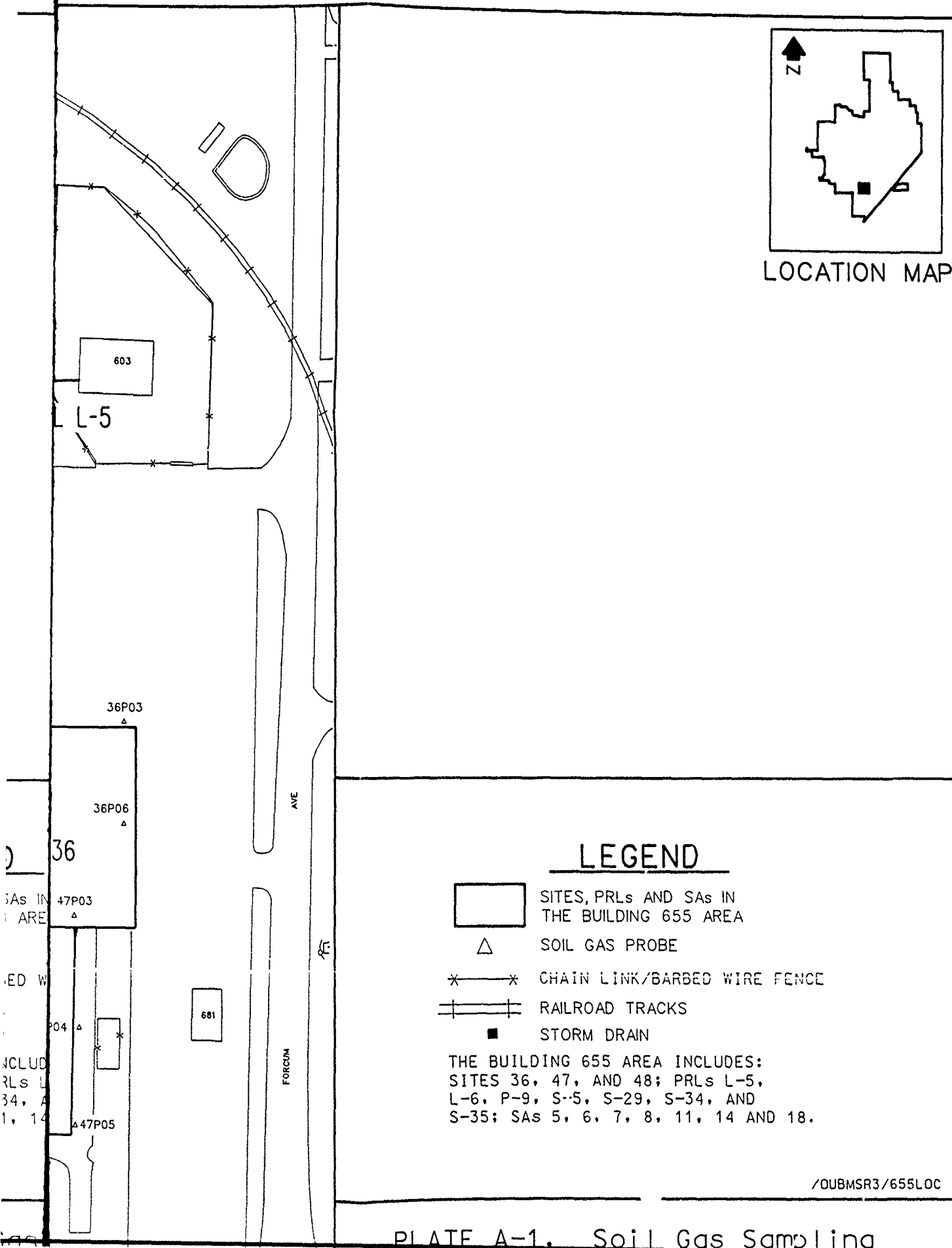
LOG OF DRILLING OPERATIONS

PROJECT Operable Unit B Soil Gas Validation Study LOCATION McClellan Air Force Base

Depth Below Surface (ft)	Soil Sample Number	Soil Gas Sample Number	Lithologic Description	Graphic Log	Elevation (ft MSL)	LOG NOTES
						9:45, PID (SOIL) = 2 PPMV
			<u>SILT 2.5Y 6/4</u> , no plasticity, well compacted, very firm, organic material and iron staining, minor lenses of sand, fine grained, quartz, mafics and mica sand, dry, no odor, (ML).			10:00, PID (SOIL) = 2 PPMV
75	24B0405		<u>SANDY SILT 2.5Y 5/6</u> , no plasticity, firm, compacted, iron stained; interbedded sand, fine grained, loose to slightly compacted, quartz, mafics and mica, dry, no odor, (MC/SP).		-10-	75 10:15, PID (SOIL) = 10 PPMV
			<u>TOTAL DEPTH</u>		-15-	80
85					-20-	85







LOCATION MAP

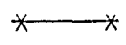
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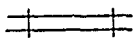
SITES, PRLs AND SAs IN
THE BUILDING 655 AREA



SOIL GAS PROBE



CHAIN LINK/BARBED WIRE FENCE



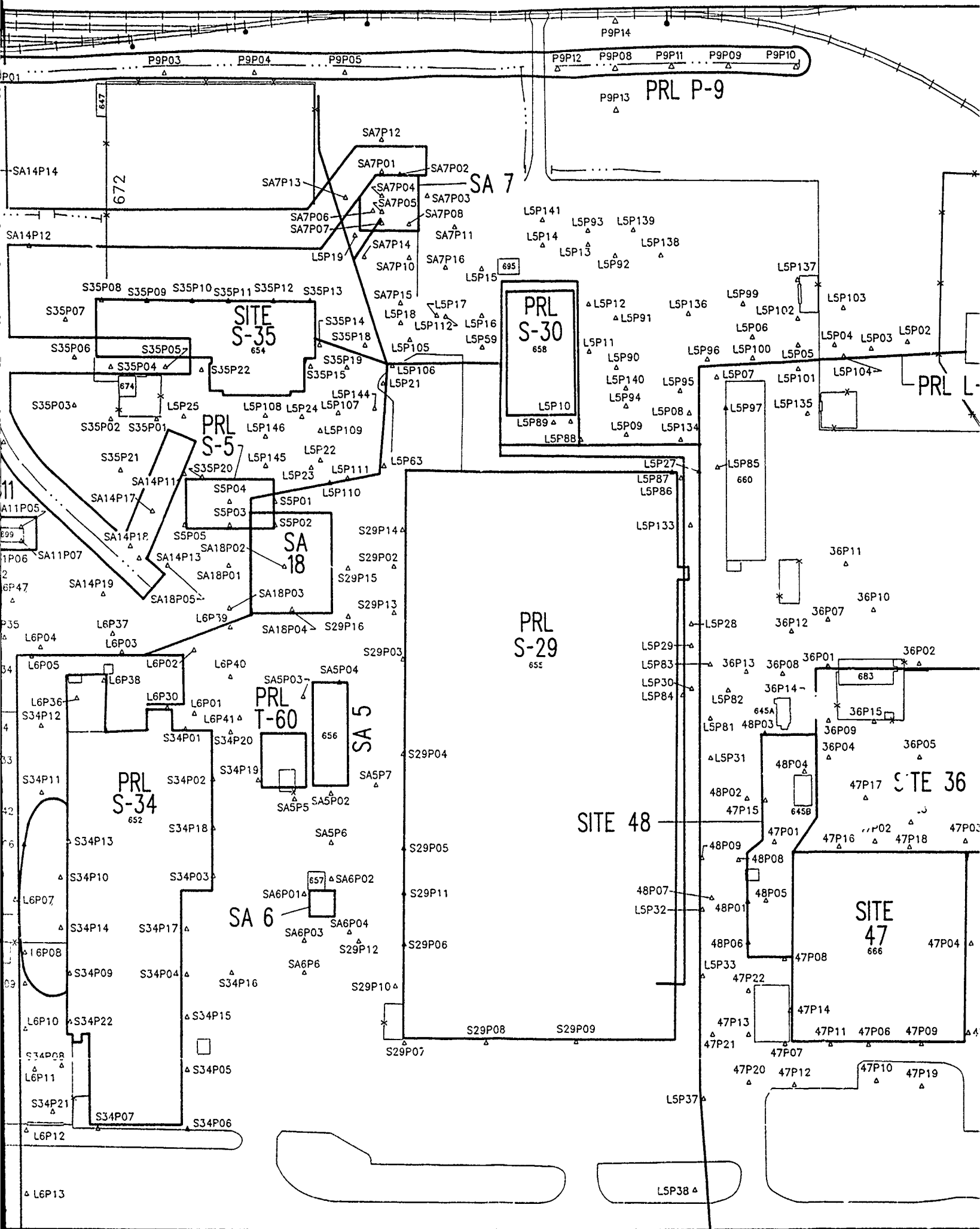
RAILROAD TRACKS

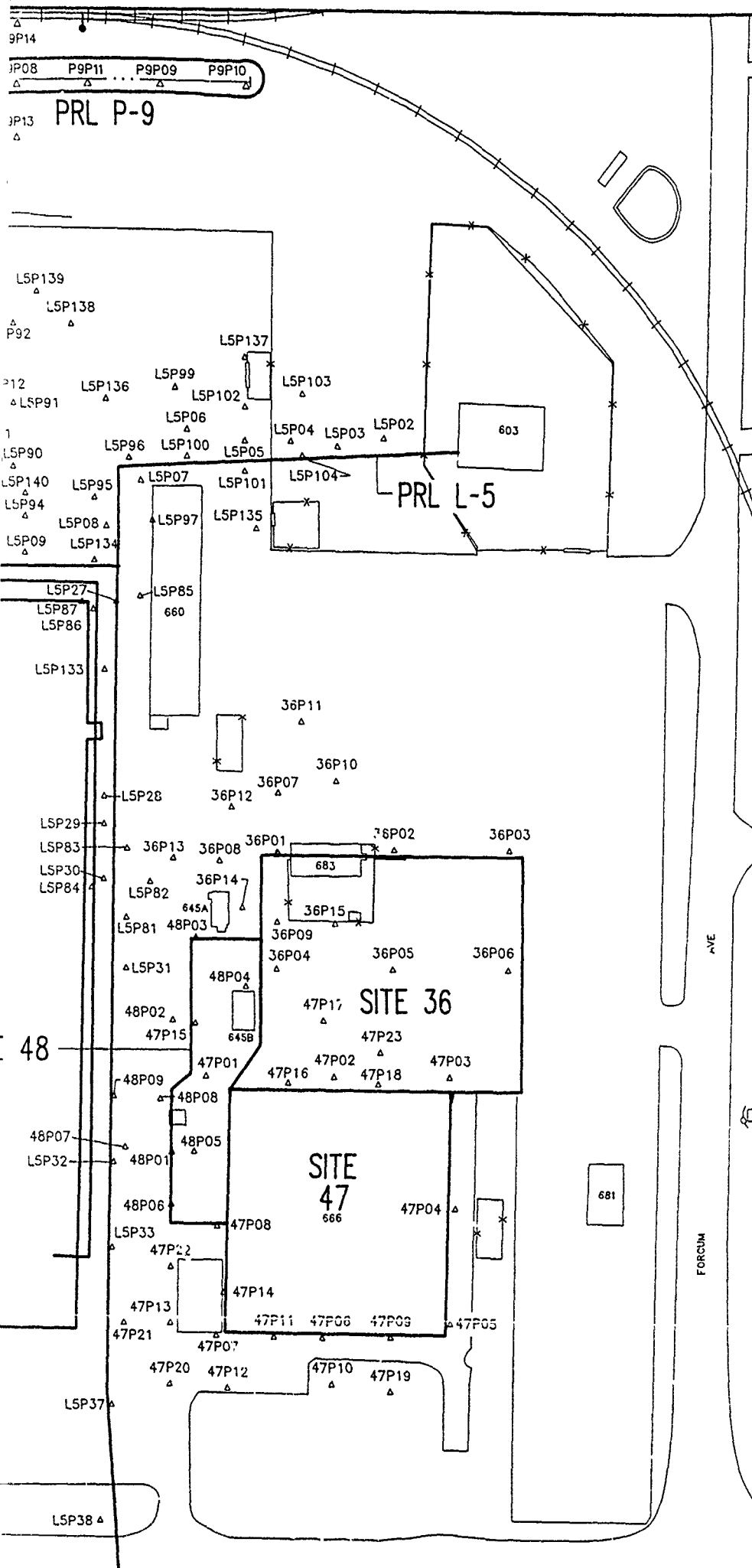


STORM DRAIN

THE BUILDING 655 AREA INCLUDES:
SITES 36, 47, AND 48; PRLs L-5,
L-6, P-9, S-5, S-29, S-34, AND
S-35; SAs 5, 6, 7, 8, 11, 14 AND 18.

/OUBMSR3/655LOC





LEGEND



SITES, PRLs AND SAs IN THE BUILDING 655 AREA



SOIL GAS PROBE



CHAIN LINK/BARBED WIRE



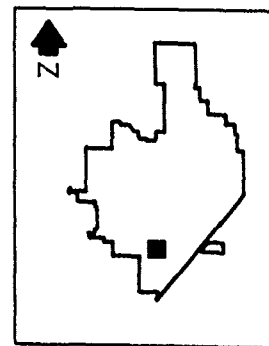
RAILROAD TRACKS



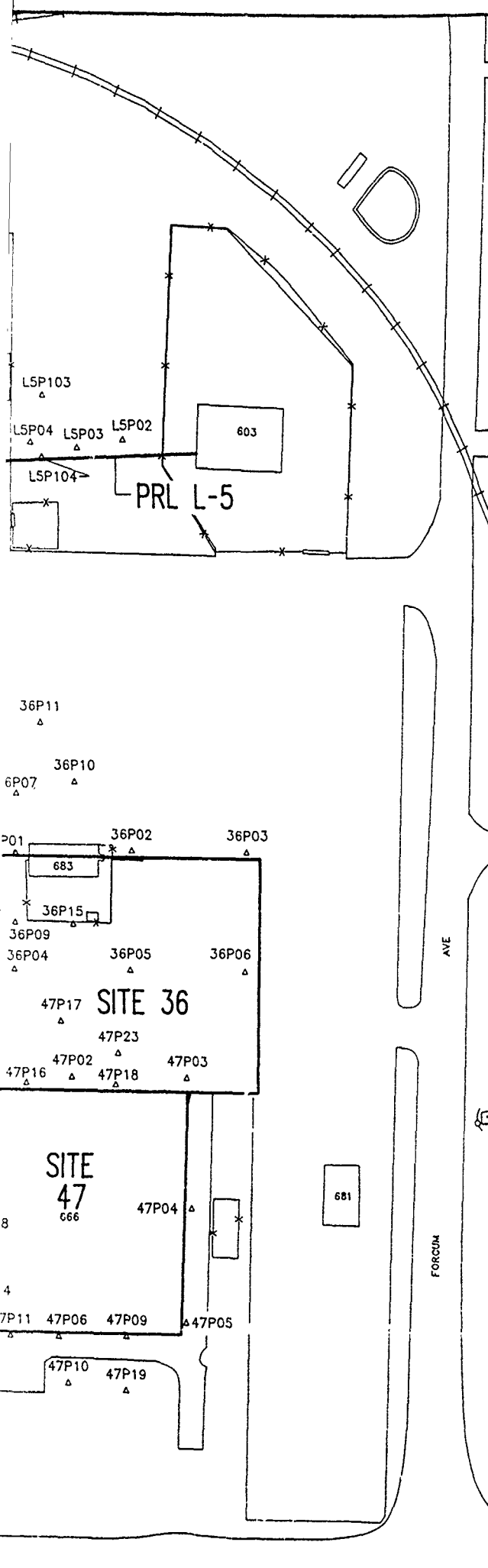
STORM DRAIN

THE BUILDING 655 AREA INCLUDES SITES 36, 47, AND 48; PRLs L-6, P-9, S-5, S-29, S-34, AND S-35; SAs 5, 6, 7, 8, 11, 14

PLATE A-1. Soil Gas Locations at the 655 Area.



LOCATION MAP



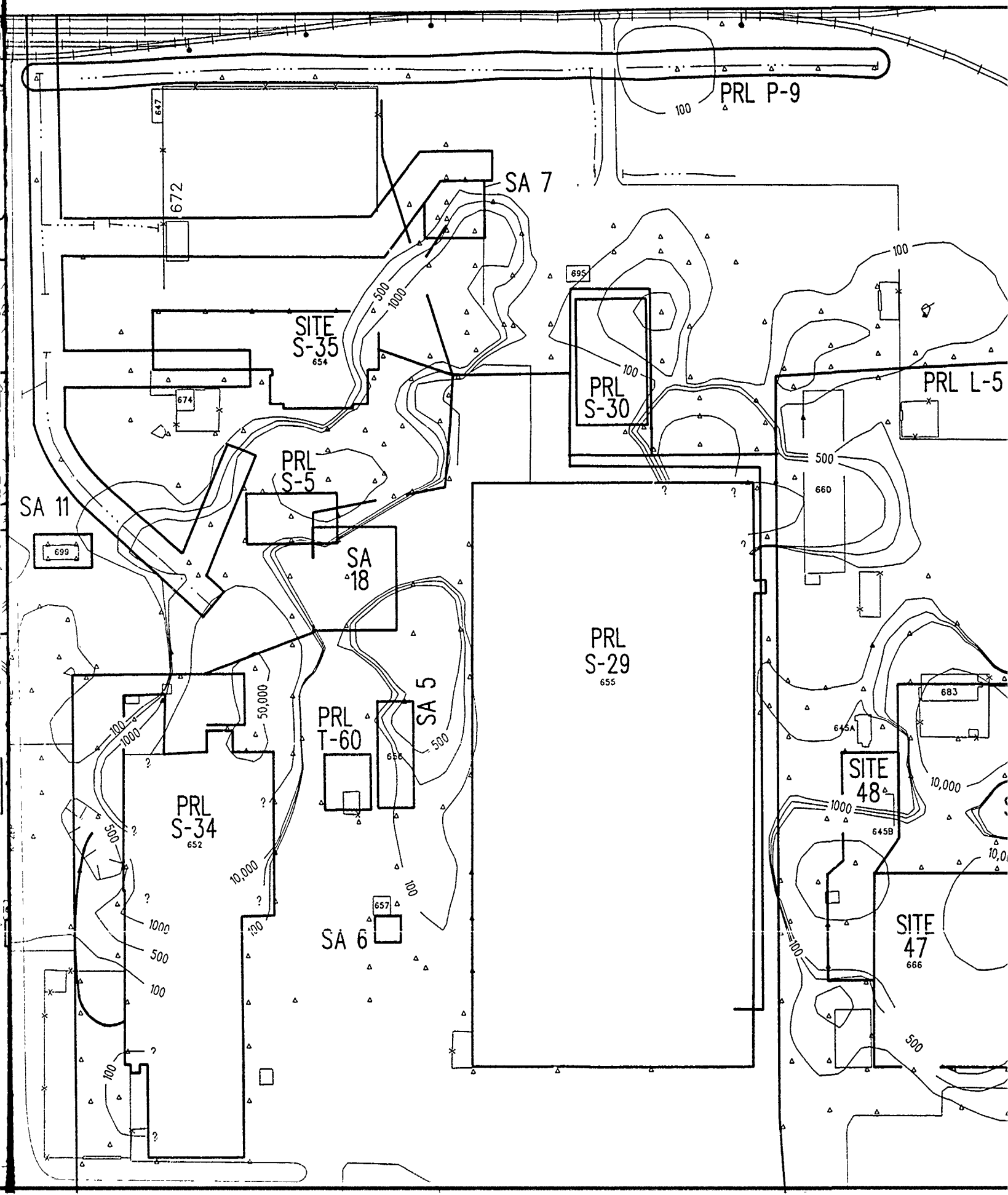
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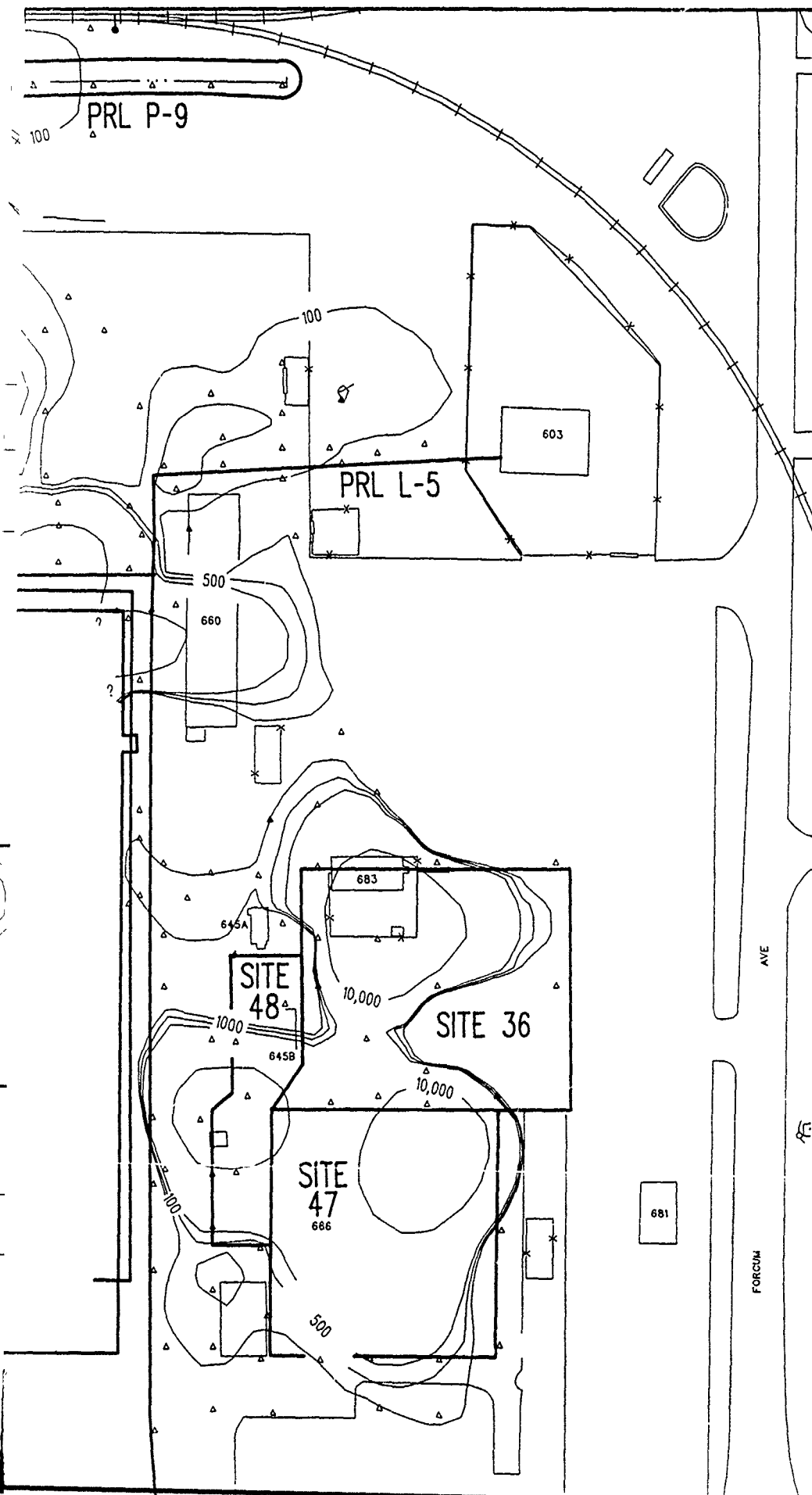
-  SITES, PRLs AND SAs IN THE BUILDING 655 AREA
-  SOIL GAS PROBE
-  CHAIN LINK/BARBED WIRE FENCE
-  RAILROAD TRACKS
-  STORM DRAIN

THE BUILDING 655 AREA INCLUDES:
SITES 36, 47, AND 48; PRLs L-5,
L-6, P-9, S-5, S-29, S-34, AND
S-35; SAs 5, 6, 7, 8, 11, 14 AND 18.

/DUBMSR3/655LOC

PLATE A-1. Soil Gas Sampling
Locations at the Building
655 Area.

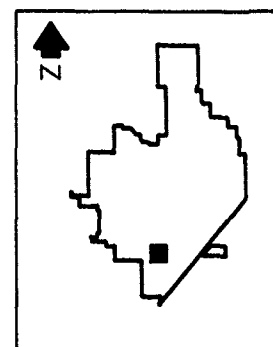
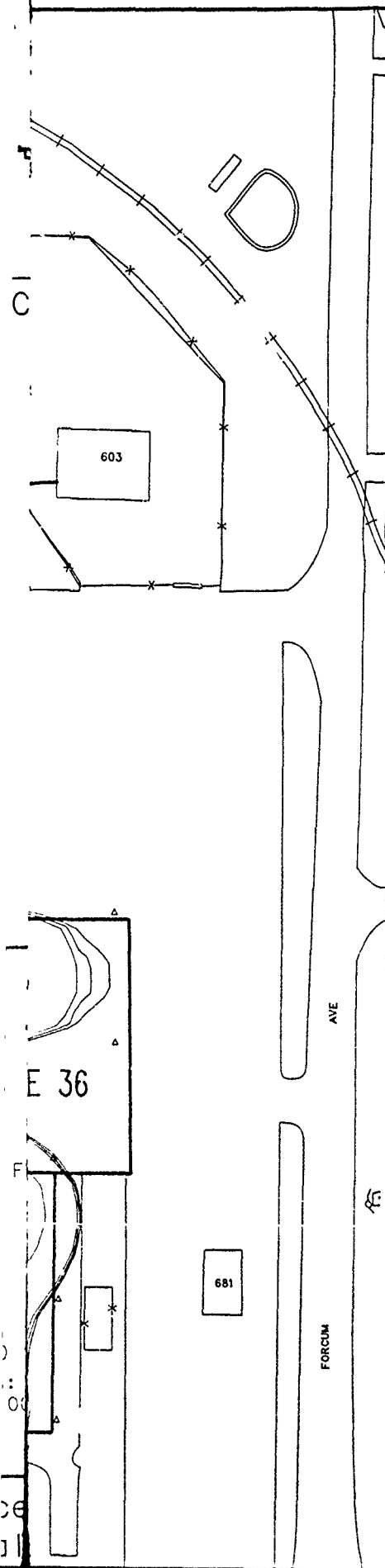




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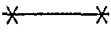
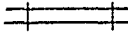
- SITES, PRLs AND SA
- THE BUILDING 655
- SOIL GAS PROBE
- CHAIN LINK/BARBE
- RAILROAD TRACKS
- STORM DRAIN

THE BUILDING 655 AREA INC
SITES 36, 47, AND 48; PRL
L-6, P-9, S-5, S-29, S-34
S-35; SAs 5, 6, 7, 8, 11.
ISOPLETH CONCENTRATION IN
1000/10,000//50,000/100,0



LOCATION MAP

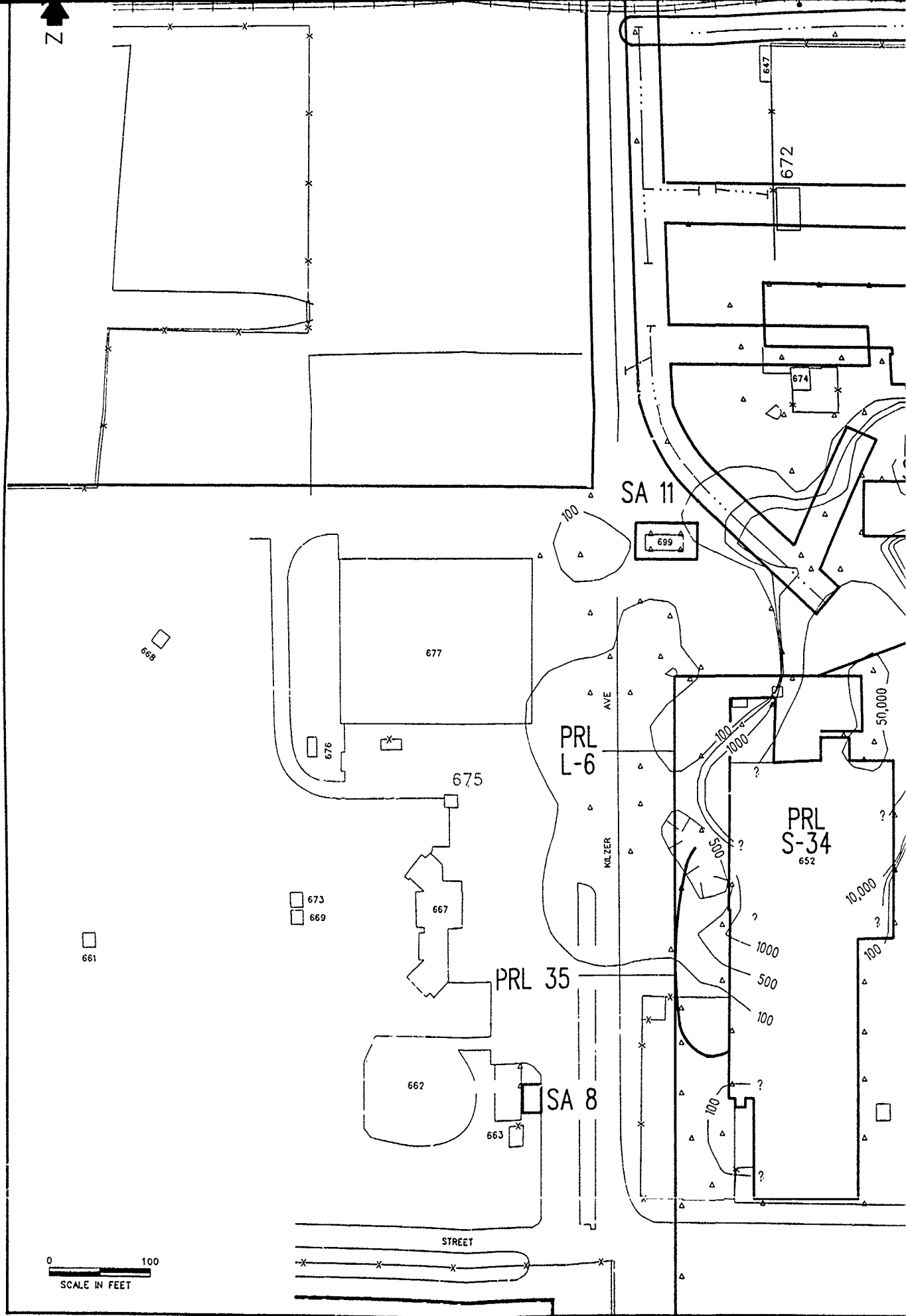
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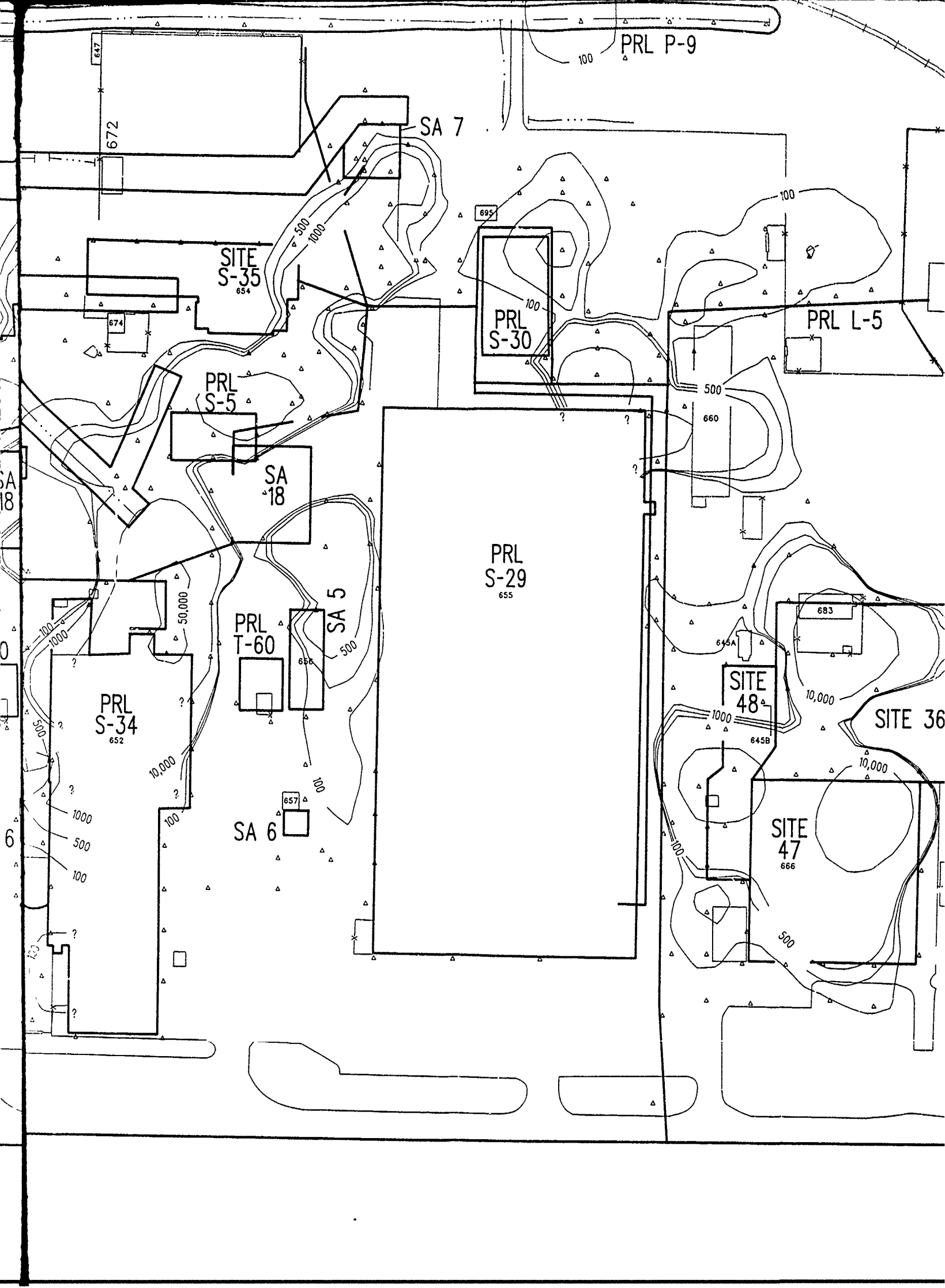
-  SITES, PRLs AND SAs IN THE BUILDING 655 AREA
-  SOIL GAS PROBE
-  CHAIN LINK/BARBED WIRE FENCE
-  RAILROAD TRACKS
-  STORM DRAIN

THE BUILDING 655 AREA INCLUDES:
SITES 36, 47, AND 48; PRLs L-5,
L-6, P-9, S-5, S-29, S-34, AND
S-35; SAs 5, 6, 7, 8, 11, 14 AND 18.

ISOPLETH CONCENTRATION INTERVALS: 100/500/
1000/10,000//50,000/100,000/500,000

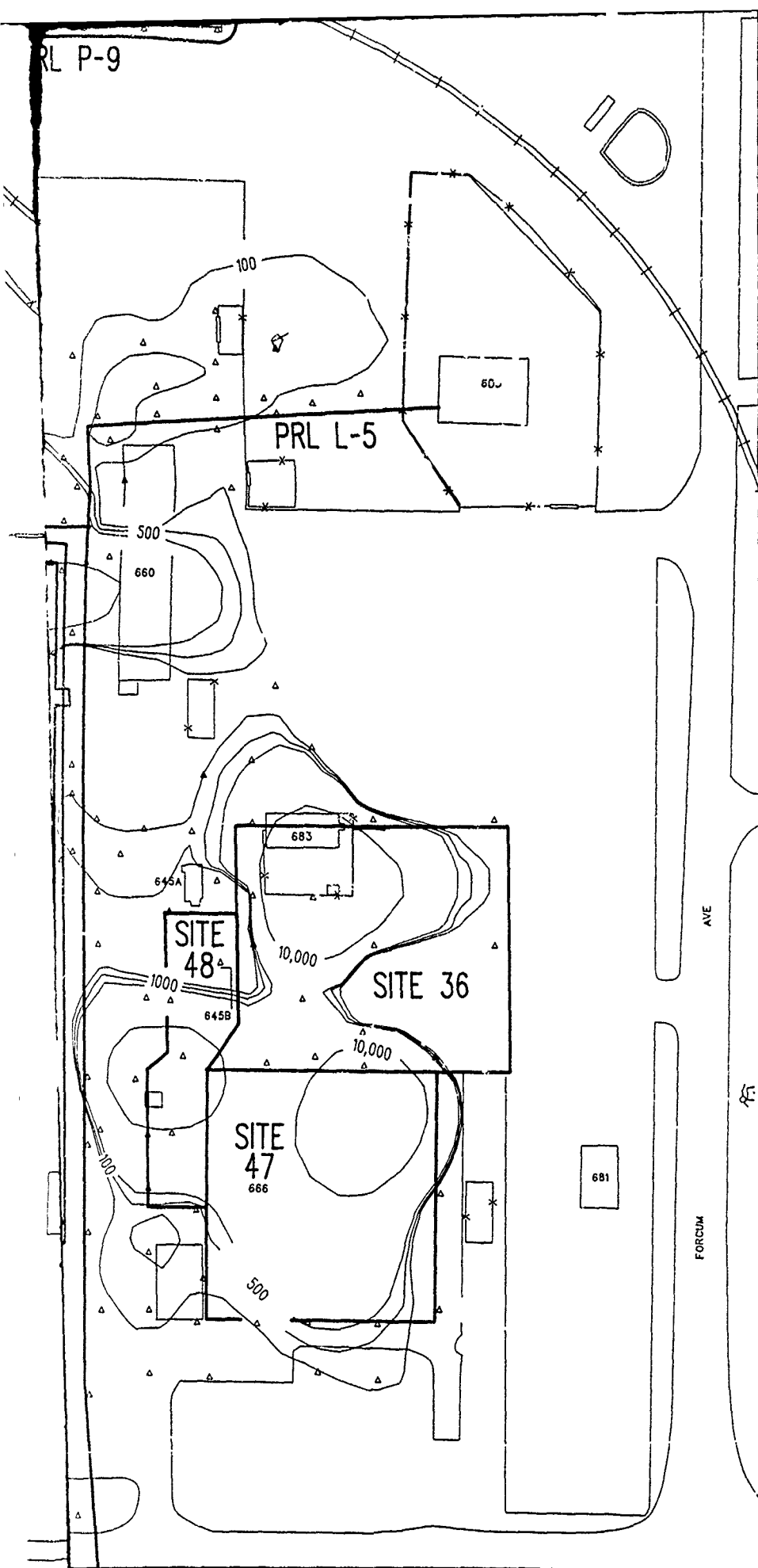
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RL P-9

LC



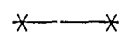
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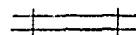
SITES, PRLs AND SAs IN THE BUILDING 655 AREA



SOIL GAS PROBE



CHAIN LINK/BARBED WIRE FENCE



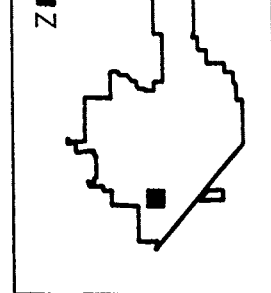
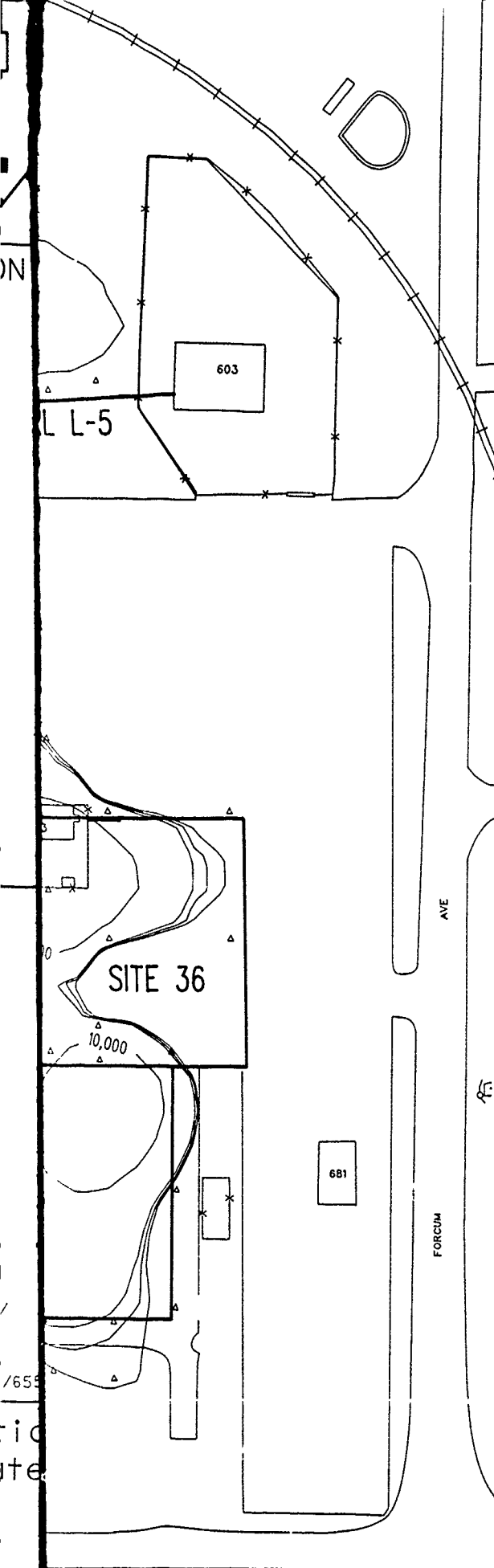
RAILROAD TRACKS



STORM DRAIN

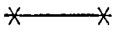
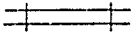
THE BUILDING 655 AREA INCLUDES:
SITES 36, 47, AND 48; PRLs L-5, L-6, P-9, S-5, S-29, S-34, AND S-35; SAs 5, 6, 7, 8, 11, 14 AND 15
ISOPLETH CONCENTRATION INTERVALS:
1000/10,000/50,000/100,000/500,000

PLATE A-2. Soil Gas Concentration
Isopleth Map of Total Halogen
Volatile Organic Compounds
at the Building 655 Area.



LOCATION MAP

LEGEND

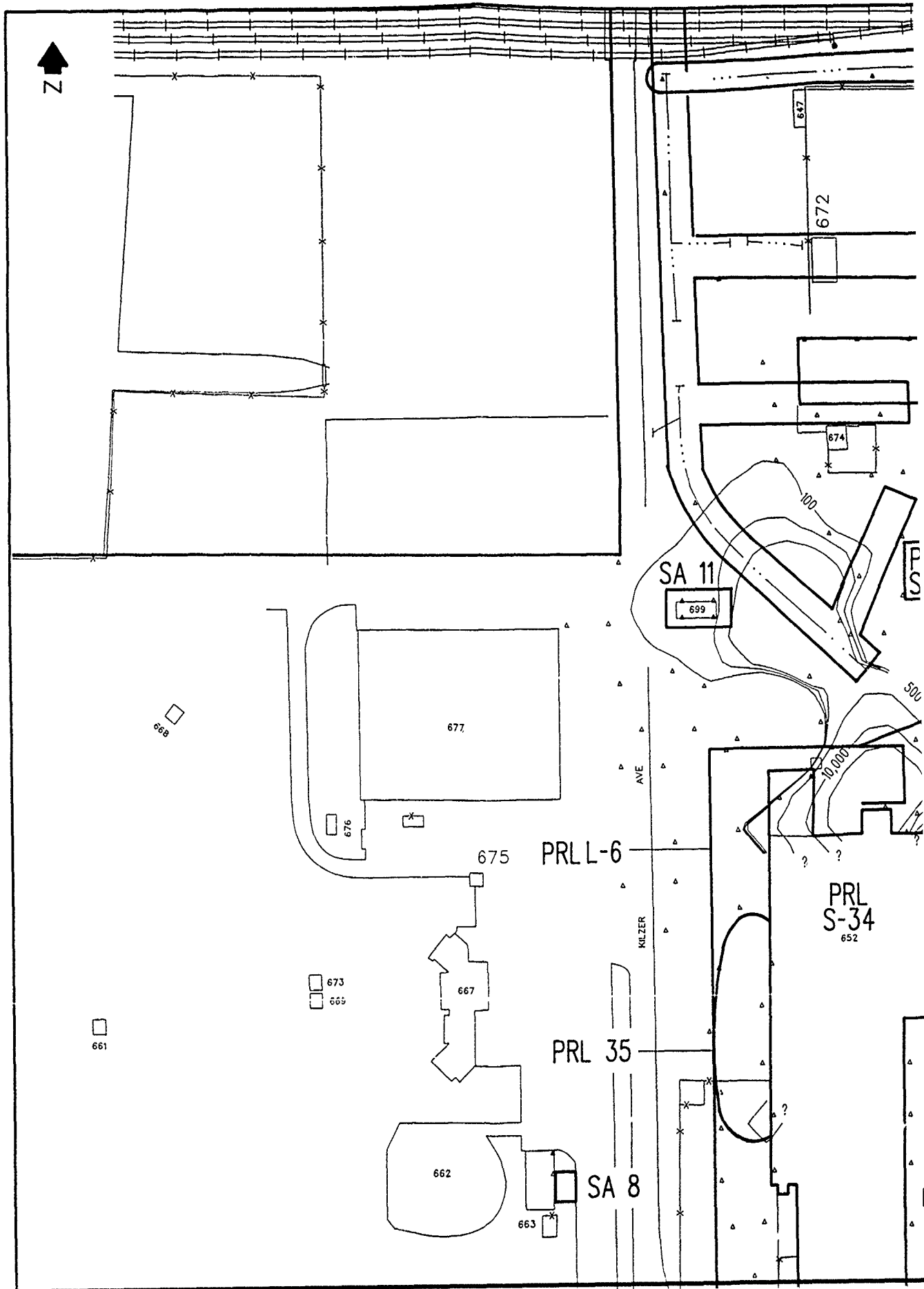
-  SITES, PRLs AND SAs IN THE BUILDING 655 AREA
-  SOIL GAS PROBE
-  CHAIN LINK/BARBED WIRE FENCE
-  RAILROAD TRACKS
-  STORM DRAIN

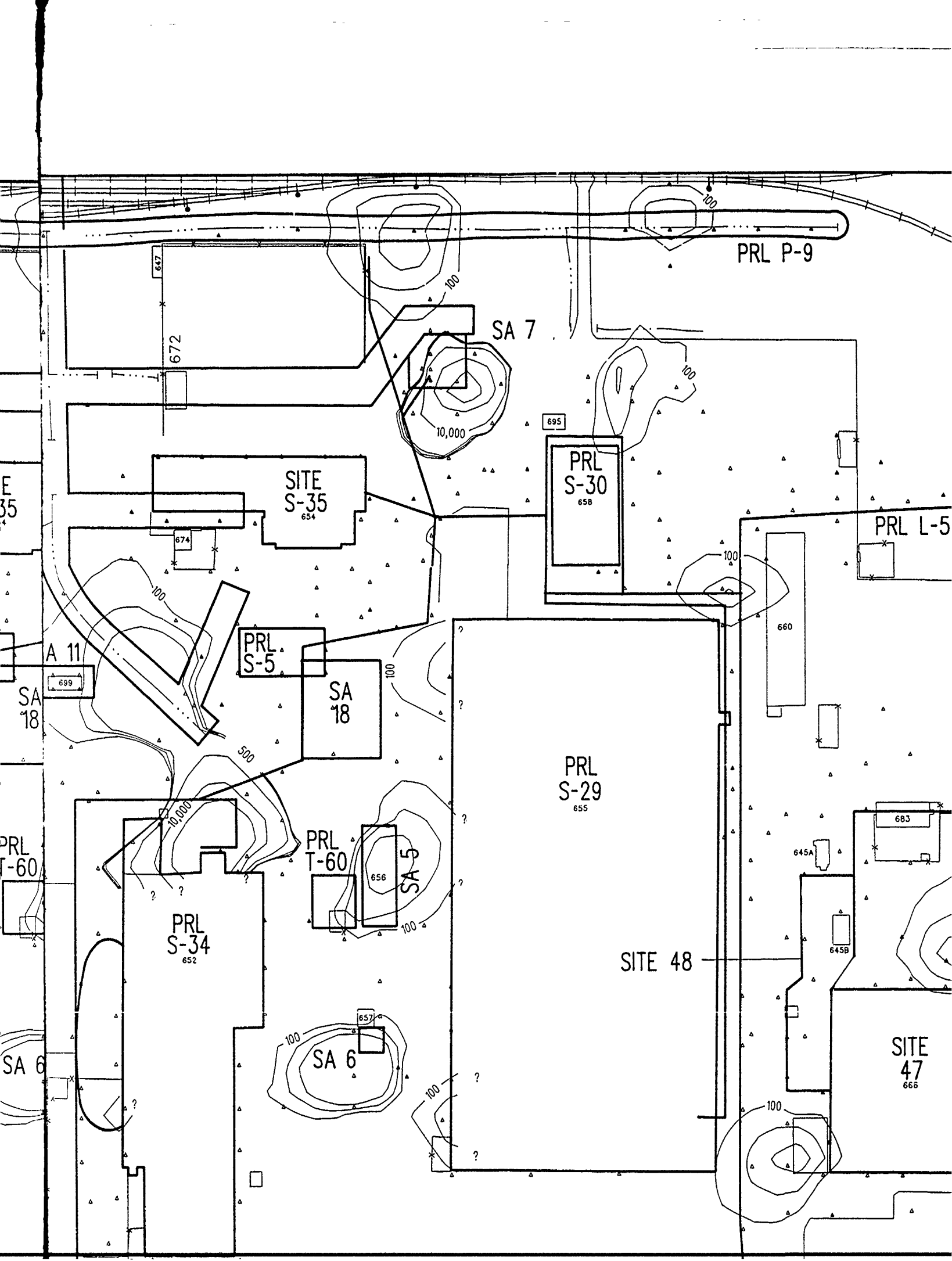
THE BUILDING 655 AREA INCLUDES:
SITES 36, 47, AND 48; PRLs L-5,
L-6, P-9, S-5, S-29, S-34, AND
S-35; SAs 5, 6, 7, 8, 11, 14 AND 18.

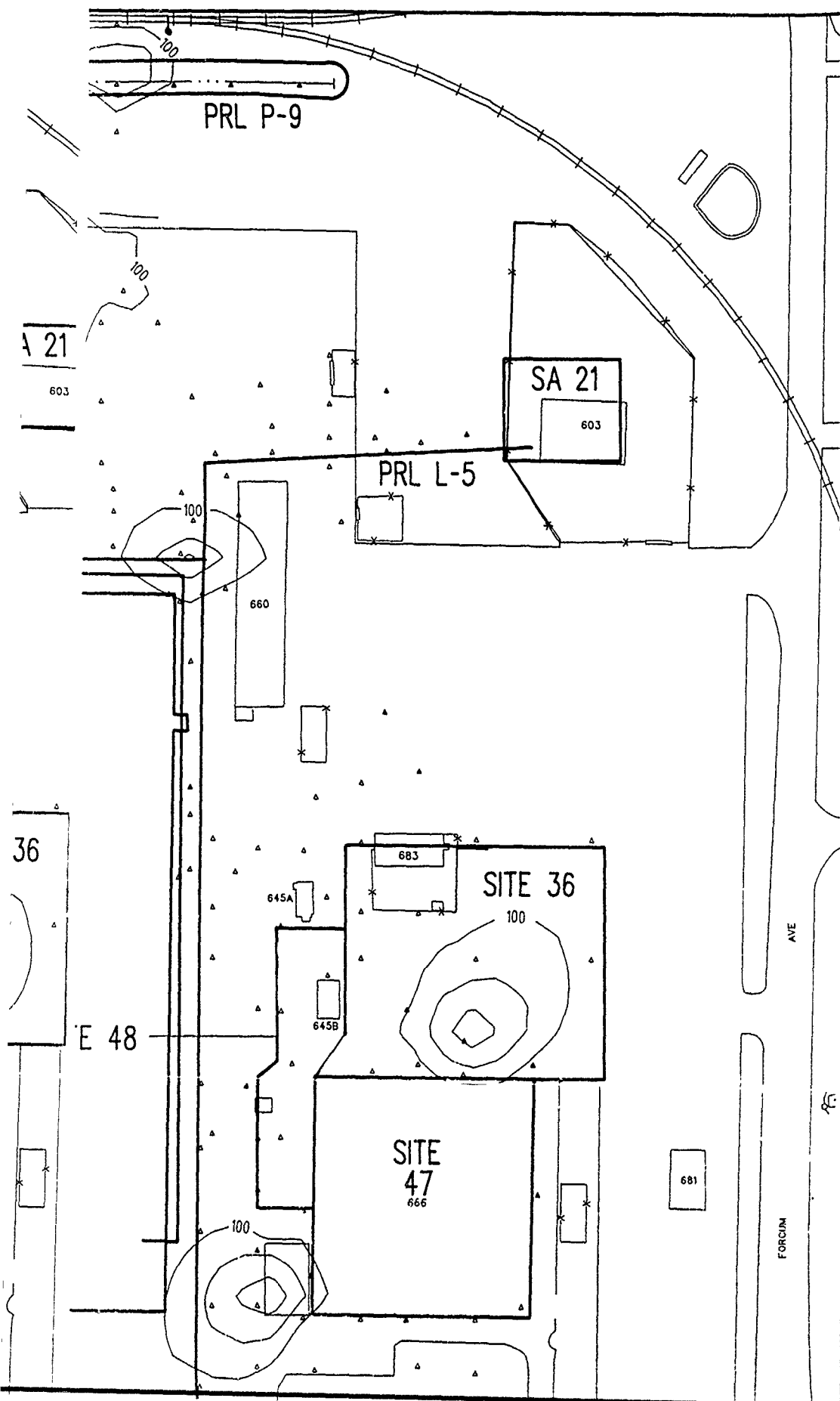
ISOPLETH CONCENTRATION INTERVALS: 100/500/
1000/10,000//50,000/100,000/500,000

/OUBMSR3/655HVOC

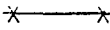
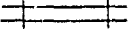
PLATE A-2. Soil Gas Concentration
Isopleth Map of Total Halogenated
Volatile Organic Compounds
at the Building 655 Area.



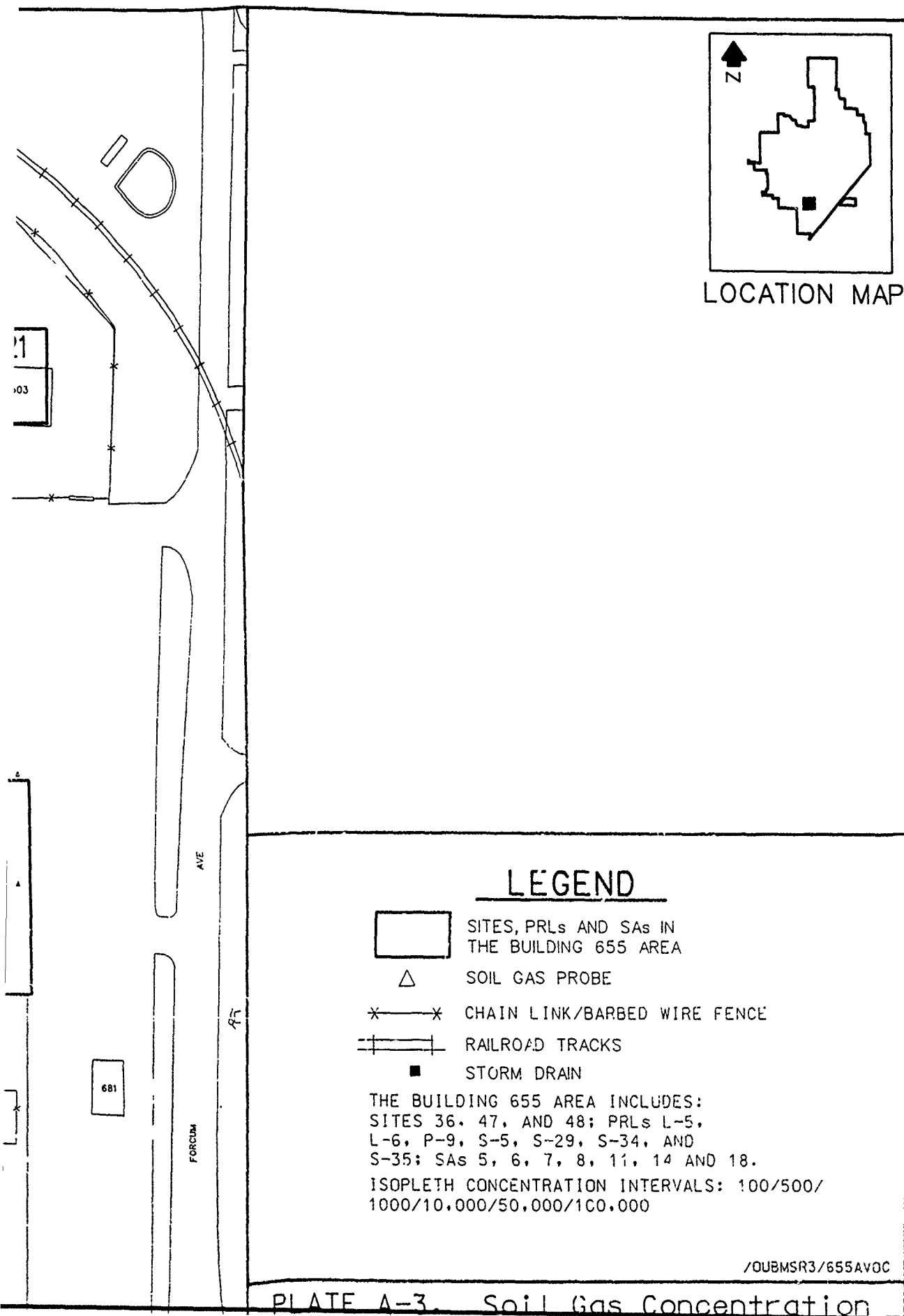




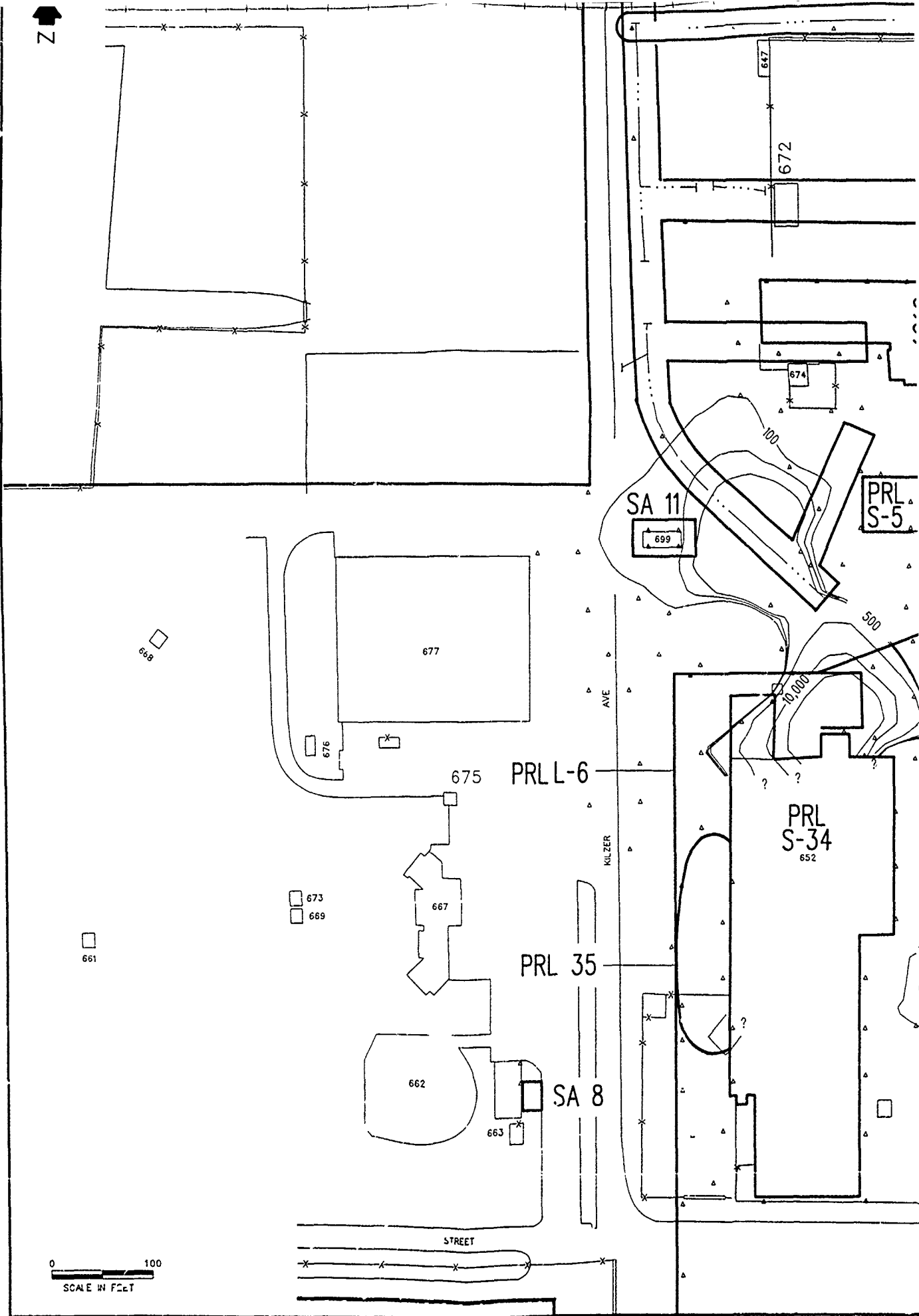
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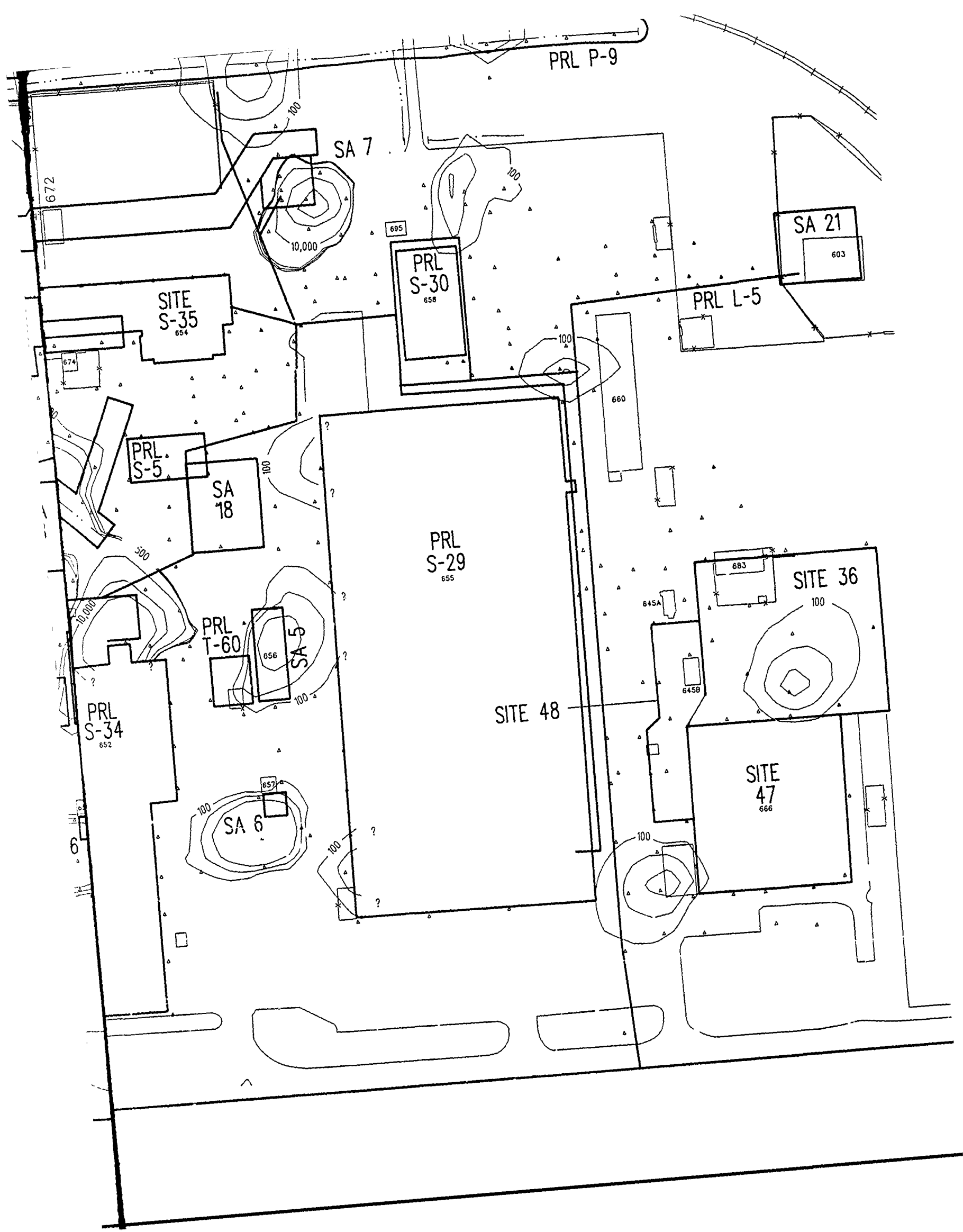
-  SITES, PRLs AND THE BUILDING 65
-  SOIL GAS PROBE
-  CHAIN LINK/BAR
-  RAILROAD TRACKS
-  STORM DRAIN

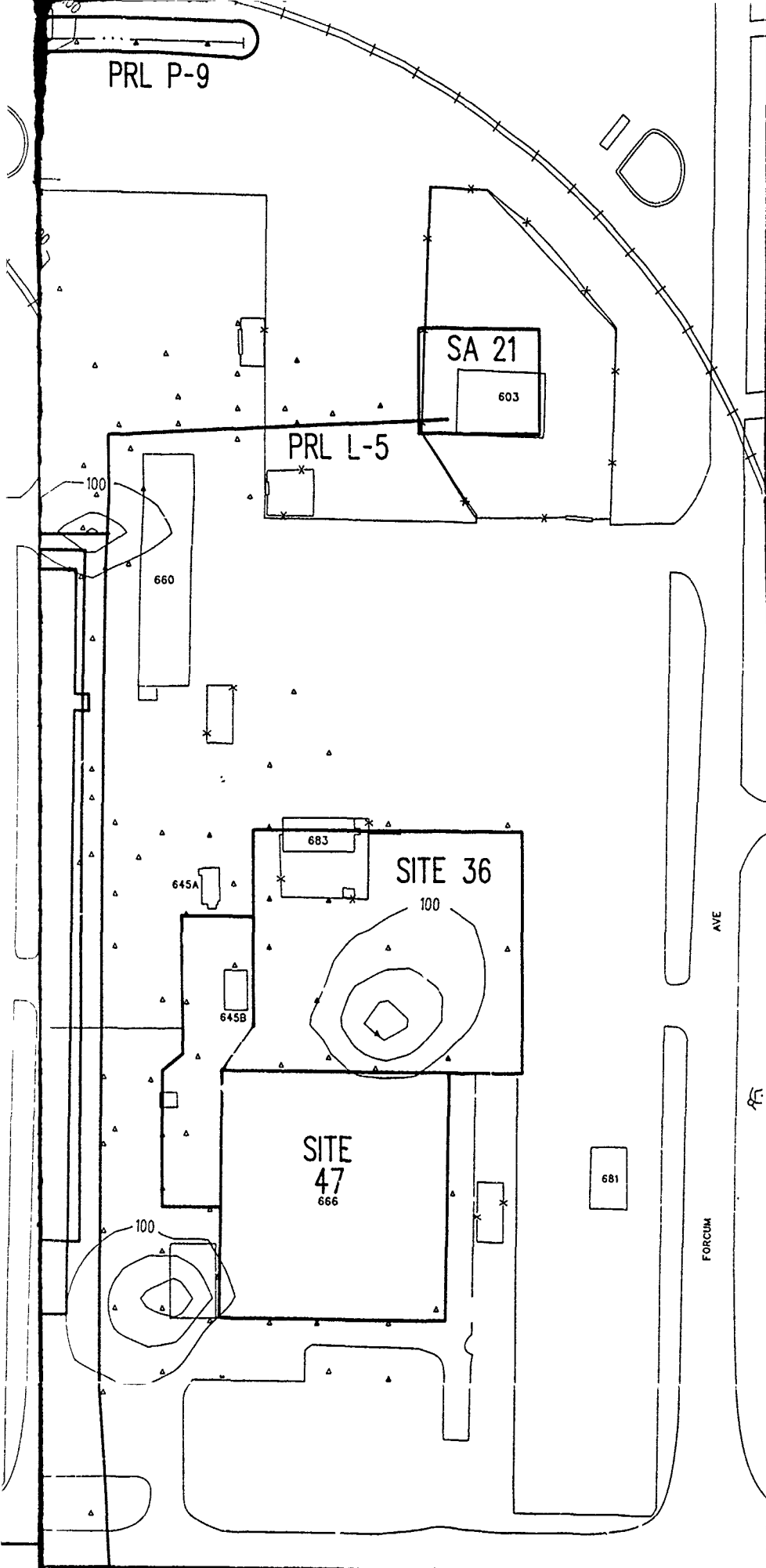
THE BUILDING 655 AREA I
 SITES 36, 47, AND 48; P
 L-6, P-9, S-5, S-29, S-
 S-35; SAs 5, 6, 7, 8, '
 ISOPLETH CONCENTRATION
 1000/10,000/50,000/100,



Z







LEGEND



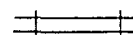
SITES, PRLs AND SAs IN
THE BUILDING 655 AREA



SOIL GAS PROBE



CHAIN LINK/BARBED WIRE



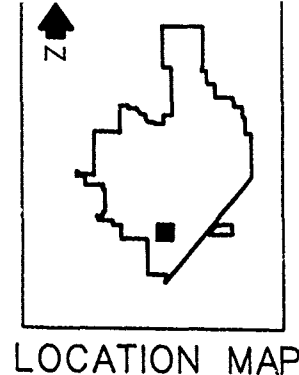
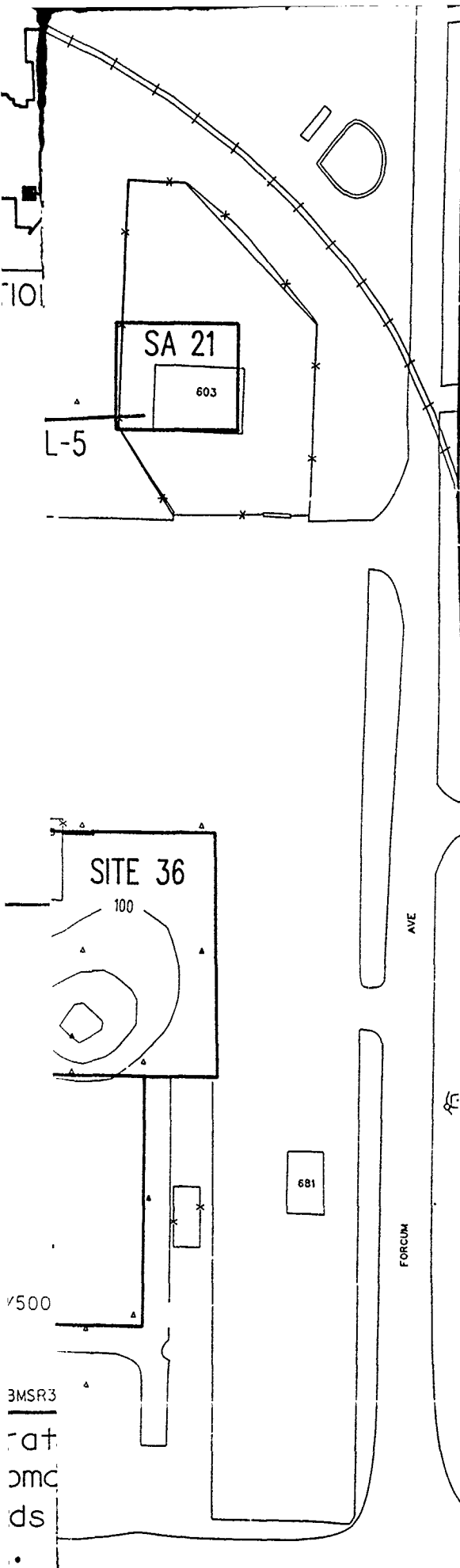
RAILROAD TRACKS



STORM DRAIN

THE BUILDING 655 AREA INCLUDES:
SITES 36, 47, AND 48; PRLs L-5,
L-6, P-9, S-5, S-29, S-34, AND
S-35; SAs 5, 6, 7, 8, 11, 14 AND
ISOPLETH CONCENTRATION INTERVAL
1000/10,000/50,000/100,000

PLATE A-3. Soil Gas Conc
Isopleth Map of Total
Volatile Organic Com
at the Building 655



LEGEND

- SITES, PRLs AND SAs IN THE BUILDING 655 AREA
- SOIL GAS PROBE
- CHAIN LINK/BARBED WIRE FENCE
- RAILROAD TRACKS
- STORM DRAIN

T LADING 655 AREA INCLUDES:
 SITES 36, 47, AND 48; PRLs L-5,
 L-6, P-9, S-5, S-29, S-34, AND
 S-35; SAs 5, 6, 7, 8, 11, 14 AND 18.
 ISOPLETH CONCENTRATION INTERVALS: 100/500/
 1000/10,000/50,000/100,000

/OUBMSR3/655AVOC

PLATE A-3. Soil Gas Concentration Isopleth Map of Total Aromatic Volatile Organic Compounds at the Building 655 Area.