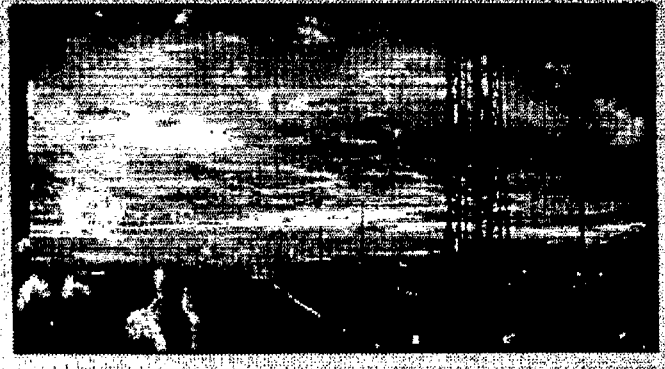
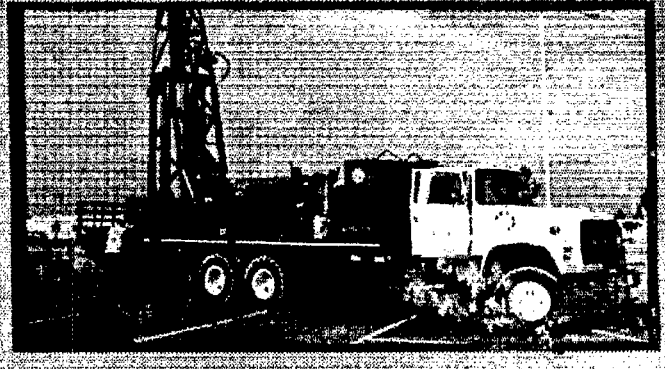
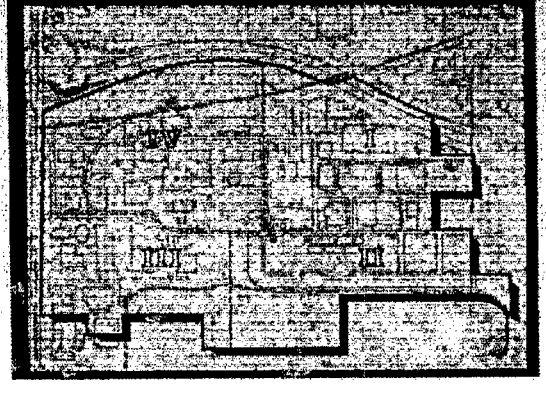
COMPREHENSIVE SITE ASSESSMENT REPORT
AZUSA/IRWINDALE STUDY AREA
SAN GABRIEL VALLEY
LOS ANGELES COUNTY, CALIFORNIA

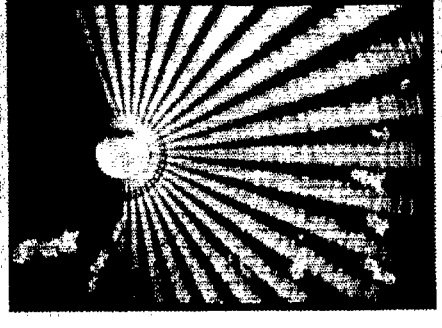
SFUND RECORDS CTR
21535

GENCORP
AEROJET









HLA

September 1994
VOLUME I

Volume I
Comprehensive Site Assessment Report
Azusa/Irwindale Study Area
San Gabriel Valley
Los Angeles County, California

Prepared for

Aerojet General Corporation
1940 Alabama Avenue
Post Office Box 3530
Rancho Cordova, California 95741-3530

HLA Project No. 26522 15.6

Thomas E. Lindros, R.G. - 5940
Project Geologist No. 5940

Bradford C.D. Eismen
Senior Geologist

Grant L. Ohland, R.G. - 4678, C.E.G. - 1669
Associate Hydrogeologist

September 2, 1994

Harding Lawson Associates
Engineering and Environmental Services
3 Hutton Centre Drive, Suite 300
Santa Ana, CA 92707 – (714) 556-7992

CONTENTS

VOLUME I

EXECUTIVE SUMMARY viii

1.0 INTRODUCTION 1
- 1.1 Report Objectives 2
- 1.2 Report Organization 3

2.0 SITE DESCRIPTION, HISTORY, AND BACKGROUND 5
- 2.1 Site Description 5
- 2.2 Site History 5
- 2.3 Description of Potential Source Areas 9
- 2.4 Previous Investigations 13
  - 2.4.1 Regional Investigations 13
  - 2.4.2 Previous Investigations Within the AISA 14
- 2.5 Physical Setting 15
  - 2.5.1 Regional and Local Geology 15
  - 2.5.2 Regional and Local Hydrogeology 16
  - 2.5.3 Regional and Local Surface Hydrology 17

3.0 SITE ASSESSMENT ACTIVITIES 18
- 3.1 Scope of Planned Site Assessment 18
- 3.2 Sample Point Location and Underground Utility Clearance 19
- 3.3 Sample Numbering System 19
- 3.4 Shallow Zone 21
  - 3.4.1 Near-Surface Sediment Sampling 21
  - 3.4.2 Soil-Gas Survey 22
  - 3.4.3 Shallow Soil-Vapor Monitoring Wells and Shallow Zone Borings 22
- 3.5 Intermediate and Deep Zone 23
  - 3.5.1 Groundwater Monitoring Well Installation 24
  - 3.5.2 Intermediate and Deep Soil-Vapor Monitoring Well Installation 24
- 3.6 Soil-Vapor Monitoring Well Sampling 25
- 3.7 Groundwater Level Monitoring and Sampling 26

4.0 RESULTS 27
- 4.1 Geology 27
- 4.2 Soil-Matrix Sample Results 28
  - 4.2.1 Near-Surface Sediment Sample Results 28
  - 4.2.2 Soil Boring and Monitoring Well Borehole Sample Results 29
- 4.3 Soil-Gas Sample Results 31
- 4.4 Soil-Vapor Sample Results 32
  - 4.4.1 Trichloroethene 33
  - 4.4.2 Tetrachloroethene 33
  - 4.4.3 1,1,1-Trichloroethane 34
  - 4.4.4 Carbon Tetrachloride 34
  - 4.4.5 Trichlorofluoromethane 34
  - 4.4.6 1,1,2-Trichloro-1,2,2-Trifluoroethane 35
- 4.5 Evaluation of Vadose Zone Chemical Results Relative to Potential Source Areas 35
- 4.6 Baldwin Park Hydrogeology and Groundwater Flow Modeling 36

4.7 AISA Hydrogeology 37
4.8 Groundwater Sample Results 38

5.0 EVALUATION OF VADOSE ZONE TRANSPORT PROCESSES 40
5.1 Literature Search and Review of VOC Fate and Transport Processes 40
5.2 Subsurface VOC Fate and Transport Processes 41
5.3 Evaluation of Vadose Zone VOC Concentration Gradients 42
5.4 Evaluation of Chemical Mass Transfer at the Water Table Interface 43
5.5 Evaluation of Possible VOC Sources 44
5.5.1 Possible Shallow Sources of 1,1,1-TCA, CFC-113, and TCE 44
5.5.2 Mass Transfer of TCE, PCE, CCl_4, and CFC-11 from Groundwater to Soil Vapor 45
5.5.3 Concentration-Driven Gas Diffusion from North of the 210 Freeway 45
5.6 Conceptual Model of Subsurface VOC Fate and Transport 46
5.7 Verification of Conceptual Model of VOC Fate and Transport 47
5.8 Evaluation of Potential Effects on Groundwater Quality 49
5.8.1 Simulation of Downward Concentration-Driven Gas Diffusion 49
5.8.2 Potential Effects on Groundwater Quality 50

6.0 SUMMARY AND CONCLUSIONS 51
6.1 Geology 51
6.2 Soil Matrix Sampling 51
6.3 Soil-Gas and Soil-Vapor Sampling 52
6.4 Hydrogeology 53
6.5 Groundwater Chemistry 54
6.6 Evaluation of Vadose Zone Transport Processes 54

7.0 RECOMMENDATIONS 56

8.0 REFERENCES 57

FIGURES

1 Generalized Spatial Distribution of TCE in Soil Vapor and Groundwater
2 Generalized Spatial Distribution of PCE in Soil Vapor and Groundwater
3 Generalized Spatial Distribution of 1,1,1-TCA in Soil Vapor and Groundwater
4 Generalized Spatial Distribution of CCl_4 in Soil Vapor and Groundwater
5 Generalized Spatial Distribution of CFC-11 in Soil Vapor and Groundwater
6 Generalized Spatial Distribution of CFC-113 in Soil Vapor and Groundwater
7 Schematic Diagram of Primary Subsurface VOC Transport Pathways

TABLES

1 Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings
2 Chronology of Soil Gas Sampling Program
3a Well Completion Details - Vapor Monitoring Wells
3b Well Completion Details - Groundwater Monitoring Wells
4 Volatile Organic Compound Results for Soil Samples - EPA Method 8240
5 Semi-Volatile Organic Compound Results for Soil Samples - EPA Method 8270
6 Metals Results for Soil Samples - EPA Method 6010 and 7000 Series
7 Dioxin and Furans Results in Soil Samples - EPA Method 8280
8 Miscellaneous Results for Soil Samples
9 PCB Results for Soil Samples - EPA Method 8080

10 Comparison of AISA Soil Sample Metal Concentrations to EPA Preliminary Remediation Goals
11 Volatile Organic Compound Results for Soil Samples - EPA Method 8010
12 Volatile Organic Compound Results for Soil Samples - EPA Method 8020
13 Soil Gas Survey Analytical Results
14 Soil Vapor Monitoring Well Analytical Results
15 Comparison of Soil Vapor Monitoring Well Results to the Nearest Soil Gas Survey Results
16 Groundwater Elevation Data
17 Volatile Organic Compound Results for Groundwater Samples - EPA Method 8240
18 Semi-Volatile Organic Compound Results for Groundwater Samples - EPA Method 8270
19 Metals Results for Groundwater Samples - EPA Method 6010 and 7000 Series
20 Miscellaneous Results for Groundwater Samples
21 Comparison of Soil Vapor and Groundwater Concentrations, Henry's Law Constants, and Relative Equilibrium for Well Pairs MW-02, MW-03, and MW-04
22 VLEACH Model Input Parameters

PLATES

1 Site Location Map
2 Site Topography Showing Cross Section, NSSS, SZB, SVMW, IDVMW, and MW Locations
3 Chronology of Aerojet Occupied Land Usage
4 Potential Source Area Map
5 Soil Gas Sampling Locations Map
6 Cross Section A-A' and B-B'
7 Cross Section C-C' and D-D'

VOLUME II

PLATES (continued)

8a Distribution of TCE in Soil Gas
8b Distribution of PCE in Soil Gas
8c Distribution of 1,1,1-TCA in Soil Gas
8d Distribution of CCl_4 in Soil Gas
8e Distribution of CFC-11 in Soil Gas
8f Distribution of CFC-113 in Soil Gas
9a Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 5' and 8'
9b Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 18' and 25'
9c Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 26' and 50'
9d Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 82' and 117'
9e Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 141' and 167'
9f Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 189' and 265'
9g Generalized Distribution of TCE in Shallow Vapor Monitoring Wells Between 306' and 310'
10a Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 5' and 8'
10b Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 18' and 25'
10c Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 26' and 50'
10d Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 82' and 117'
10e Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 141' and 167'
10f Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 189' and 265'
10g Generalized Distribution of PCE in Shallow Vapor Monitoring Wells Between 306' and 310'
11a Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 5' and 8'

11b Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 18' and 25'
11c Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 26' and 50'
11d Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 82' and 117'
11e Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 141' and 167'
11f Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 189' and 265'
11g Generalized Distribution of 1,1,1-TCA in Shallow Vapor Monitoring Wells Between 306' and 310'
12a Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 5' and 8'
12b Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 18' and 25'
12c Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 26' and 50'
12d Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 82' and 117'
12e Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 141' and 167'
12f Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 189' and 265'
12g Generalized Distribution of CCl_4 in Shallow Vapor Monitoring Wells Between 306' and 310'
13a Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 5' and 8'
13b Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 18' and 25'
13c Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 26' and 50'
13d Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 82' and 117'
13e Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 141' and 167'
13f Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 189' and 265'
13g Generalized Distribution of CFC-11 in Shallow Vapor Monitoring Wells Between 306' and 310'
14a Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 5' and 8'
14b Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 18' and 25'
14c Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 26' and 50'
14d Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 82' and 117'
14e Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 141' and 167'
14f Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 189' and 265'
14g Generalized Distribution of CFC-113 in Shallow Vapor Monitoring Wells Between 306' and 310'
15a Depth vs. Simulated and Measured TCE Concentrations
15b Depth vs. Simulated and Measured PCE Concentrations
15c Depth vs. Measured 1,1,1-TCA Concentrations
15d Depth vs. Simulated and Measured CCl_4 Concentrations
15e Depth vs. Simulated and Measured CFC-11 Concentrations
15f Depth vs. Measured CFC-113 Concentrations
16 Groundwater Level Hydrograph
17 Groundwater Flow Direction Vector Plot
18 Groundwater Elevation Contour Map
19a Groundwater Isoconcentration Contour Map - TCE
19b Groundwater Isoconcentration Contour Map - PCE
19c Groundwater Isoconcentration Contour Map - CCl_4
20a TCE Concentrations in Groundwater vs. Time
20b PCE Concentrations in Groundwater vs. Time
20c 1,1,1-TCA Concentrations in Groundwater vs. Time

20d CCl_4 Concentrations in Groundwater vs. Time
20e 1,2-DCA Concentrations in Groundwater vs. Time
20f 1,1-DCE Concentrations in Groundwater vs. Time
20g Cis-1,2-DCE Concentrations in Groundwater vs. Time
21 VOC Mass Transfer Mechanisms
22 Comparison of Theoretical Equilibrium and Measured Values
23 Depth vs. Simulated 1,1,1-TCA Concentrations from VLEACH Model
24 Depth vs. Simulated CFC-113 Concentrations from VLEACH Model

APPENDICES

A FIELD METHODOLOGY
B BORING LOGS

PLATES IN APPENDIX B

B1 Soil Classification Chart and Key to Boring Logs
B2-B21 Boring Logs - Near Surface Sediment Sample Borings
B22-B98 Boring Logs - Shallow Zone Borings
B99-B165b Boring Logs and Well Construction Diagrams - Shallow Vapor Monitoring Wells
B166a-B167i Boring Logs and Well Construction Diagrams - Intermediate and Deep Vapor Monitoring Wells
B168a-B174i Boring Logs and Well Construction Diagrams - Groundwater and Deep Vapor Monitoring Wells
B175 Below Ground Surface Completion - Vapor Monitoring Wells
B176 Above Ground Surface Completion - Vapor Monitoring Wells
B177 Surface Completion at SVMW-28 - Leach Bed 1
B178 MW-01 Well Casing and Hydrostar Pump Installation Details
B179 MW-02 Well Casing and Hydrostar Pump Installation Details
B180 MW-03 Well Casing and Hydrostar Pump Installation Details
B181 MW-04 Well Casing and Hydrostar Pump Installation Details
B182 MW-05 Well Casing and Hydrostar Pump Installation Details

VOLUME III

C SOIL MATRIX LABORATORY DATA SHEETS

VOLUME IV

APPENDICES (continued)

C SOIL MATRIX LABORATORY DATA SHEETS (continued)
D ANALYTICAL DATA VALIDATION

TABLES IN APPENDIX D

D1 Summary of Soil and Groundwater Chemical Analysis Products
D2 Matrix Spike/Matrix Spike Duplicate Criteria
D3 Surrogate Spike Criteria

E SOIL GAS/VAPOR LABORATORY DATA SHEETS
F SAMPLING INFORMATION DATA SHEETS
G SOIL GAS/VAPOR QA/QC DATA SHEETS
H PROPOSAL FOR TECHNICAL MODIFICATIONS, OPTIMIZATION OF USEPA REGION IX, SUBAREA 1 PROPOSED PROJECT, BALDWIN PARK OPERABLE UNIT, SAN GABRIEL VALLEY SUPERFUND SITES
I VLEACH OUTPUT AND PARAMETER FILES

DISTRIBUTION

EXECUTIVE SUMMARY

This *Comprehensive Site Assessment Report* is submitted to the California Regional Water Quality Control Board, Los Angeles Region (RWQCB), on behalf of Aerojet General Corporation (Aerojet). This report was prepared by Harding Lawson Associates (HLA) and documents the extent, procedures, and the results of the site assessment performed at the Azusa/Irwindale Study Area (AISA) in San Gabriel Valley, Los Angeles County, California. The objectives of this report are as follows:

- Document site assessment activities performed and their compliance with the Revised Work Plan (HLA, 1991b), Quality Assurance Project Plan (HLA, 1992a), Revised Sampling and Analysis Plan (HLA, 1992b), and supporting documents approved by the RWQCB.
- Provide a comprehensive presentation of all vadose zone and groundwater data collected to date at the AISA. Vadose zone sampling has not yet been performed in the southern Kincaid Pit in the northern part of the AISA due to access restrictions.
- Provide an evaluation of vadose zone chemical data including spatial concentration trends in relation to potential source areas.
- Provide an evaluation of hydrogeologic and groundwater chemical data including spatial and temporal trends in groundwater levels and in volatile organic compounds (VOCs).
- Document the development of conceptual and numerical models of groundwater flow in the Baldwin Park Operable Unit, which have been demonstrated to accurately represent the regional groundwater flow system and local groundwater flow conditions at the AISA.
- Develop a conceptual model that describes the fate and transport of VOCs in the subsurface at the AISA.
- Verify the primary mechanisms of VOC fate and transport identified in the conceptual model using theoretical models to predict VOC mass transfer and migration.
- Develop recommendations for additional site assessment and remediation activities at the AISA.

SCOPE OF THE AISA SITE ASSESSMENT

Data collection activities performed from January 1992 through July 1994 at the AISA have included:

- Soil-gas surveys; 823 shallow vapor probe samples collected at an average depth of 5 feet,
- Soil-matrix sampling and analysis; 276 samples collected from 72 near surface, soil boring, and monitoring well locations (soil-vapor and groundwater),
- Soil-vapor monitoring well installation; 88 vapor monitoring wells in 32 well clusters to depths of 50 feet; and 28 vapor monitoring wells in six well clusters to maximum depths of 308 feet,
- Soil-vapor monitoring well sampling and chemical analysis,
- Groundwater monitoring well installation; five monitoring wells to a maximum depth of 367 feet, and
- Groundwater level monitoring and sampling.

SIGNIFICANT FINDINGS

On the basis of a detailed evaluation of the spatial distribution of inorganic and organic chemical data, two shallow areas of somewhat elevated VOC concentrations of 1,1,1-trichloroethane (1,1,1-TCA) and 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113) were identified. Maximum concentrations of these VOCs in these areas were 620 and 3,400 micrograms per liter (μg/l), respectively as measured in the June 1994 vapor sampling event. These areas are located in the central part of the AISA on Optical Radiation Corporation (ORC) property and near Building 57 and the 210 Freeway. A third area of somewhat elevated shallow trichloroethene (TCE) concentrations was also identified in the northwest portion of Quadrant III (southern Ponded Liquid Area 5). TCE concentrations were measured at 190 μg/l during the June 1994 vapor sampling event. Soil-gas and soil-vapor sampling has confirmed that TCE concentrations are limited in lateral and vertical extent in this area.

Detections of other VOCs in the upper 50 feet of the vadose zone were of generally low concentration and limited in lateral and vertical extent.

A conceptual model was developed based on five primary transport pathways including:

- Downward concentration-driven gas diffusion from possible shallow sources,
- Groundwater transport of VOCs onto the AISA from upgradient sources,
- VOC offgassing from groundwater,
- Upward concentration-driven gas diffusion, and
- Lateral concentration-driven gas diffusion from areas of higher vapor concentration to areas of lower concentration.

The shallow areas of somewhat elevated concentrations of 1,1,1-TCA, CFC-113, and TCE described above provide a driving force for concentration-driven gas diffusion both laterally and vertically downward. Groundwater transport of TCE, tetrachloroethene (PCE), and carbon tetrachloride (CCl_4), from upgradient sources has resulted in significant concentrations of these VOCs in groundwater at the upgradient boundary of the AISA near the 210 Freeway. Although trichlorofluoromethane (CFC-11) was not detected in groundwater samples collected from the AISA at a practical quantitation limit (PQL) of 5 μg/l, CFC-11 may be present in groundwater at concentrations below the 5 μg/l PQL. Groundwater concentrations of TCE, PCE, CCl_4, and CFC-11 act as a source of VOCs that are offgassing to the vadose zone at the AISA. The resultant VOCs in soil vapor provide a driving force for vertically upward and lateral concentration-driven gas diffusion to areas of lower concentration. The VOC chemical transport processes utilized in the AISA conceptual model are well documented in the scientific literature and are supported by (1) observed concentration trends and gradients and 2) VLEACH model simulations indicating that groundwater offgassing and upward concentration-driven gas diffusion results in soil-vapor concentrations that are observed in the vadose zone at the AISA.

An evaluation of potential impacts to groundwater indicates that TCE, PCE, CCl4, and CFC-11 concentrations in the vadose zone at the AISA are not degrading water quality, hence these VOCs do not warrant further investigation at the AISA. Instead, groundwater offgassing appears to be degrading the vadose zone at the AISA. Simulations of downward concentration-driven gas diffusion from shallow areas of somewhat elevated 1,1,1-TCA and CFC-113 and TCE concentrations indicate that mass transfer of these VOCs does not adversely affect groundwater quality relative to state and federal maximum contaminant levels.

RECOMMENDATIONS

On the basis of the findings presented in this report, it is recommended that:

- Continued monitoring of the soil-vapor concentrations at depths greater than 50 feet be performed at the AISA to further verify VOC mass transfer from groundwater to the vadose zone. (As groundwater remediation in the Baldwin Park Operable Unit progresses via groundwater extraction and treatment, it is anticipated that VOC concentrations will also decrease in the vadose zone.)

- Continue monthly groundwater level monitoring and quarterly groundwater sampling to monitor the affects of the saturated zone on VOC mass transport in the vadose zone.

1.0 INTRODUCTION

This *Comprehensive Site Assessment Report* is submitted to the California Regional Water Quality Control Board, Los Angeles Region (RWQCB), on behalf of Aerojet General Corporation (Aerojet). This report was prepared by Harding Lawson Associates (HLA) and presents the results of the site assessment performed at the Azusa/Irwindale Study Area (AISA) in the San Gabriel Valley, Los Angeles County, California.

The AISA site assessment scope of work was developed in response to the U.S. Environmental Protection Agency (EPA) Statement of Work (SOW) for the AISA issued in May 1991 (CH2M Hill, 1991). Following review of the SOW, HLA, on behalf of Aerojet, submitted to the RWQCB draft versions of planning documents including a Work Plan (HLA, 1991a), Quality Assurance Project Plan (HLA, 1991c), and Sampling and Analysis Plan (HLA, 1991d). These plans were revised based on comments provided by the RWQCB and were reissued with the objective of characterizing the AISA.

Site assessment activities have been performed in accordance with these revised plans, which include:

- *Revised Work Plan (RWP), AISA Site Assessment* (HLA, 1991b),
- *Revised Quality Assurance Project Plan (QAPP), AISA Site Assessment* (HLA, 1992a), and
- *Revised Sampling and Analysis Plan (SAP), AISA Site Assessment* (HLA, 1992b).

As site characterization activities proceeded, modifications to these plans were necessary. These modifications are documented in the following letters and reports:

- *Revised Sampling and Analysis Plan, Tables 1 through 3 and 5 Revisions*, dated January 16, 1992 (HLA, 1992c),
- *Proposed Amendments to Revised SAP and QAPP Analytical Methods, Azusa/Irwindale Study Area Site Assessment, San Gabriel Valley, Los Angeles County, California*, dated April 14, 1992 (HLA, 1992d),
- *Progress of Field Activities*, dated May 6, 1992 (HLA, 1992e),

- *QA/QC Procedures - Soil Gas Survey and Vapor Monitoring Sampling, Azusa/Irwindale*, dated May 11, 1993 (HLA, 1992f),

- *Soil Gas Technical Memorandum, Quadrants I and II and Portions of II and IV, Azusa/Irwindale Study Area Site Assessment, San Gabriel Valley, Los Angeles County, California*, dated June 25, 1992 (HLA, 1992g),

- *QA/QC Procedures - Soil-Gas Survey and Vapor Monitoring Well Sampling, Azusa/Irwindale Study Area Site Assessment, San Gabriel Valley, Los Angeles County, California*, dated May 11, 1993 (HLA, 1993a),

- *Analytical Procedures, Soil Gas Survey and Vapor Monitoring Well Sampling*, dated May 25, 1993 (HLA, 1993b),

- *Soil Matrix Sample Collection - Air Rotary Drilling, Revised Analytical Testing Program, Azusa/Irwindale Study Area Site Assessment, San Gabriel Valley, Los Angeles County, California*, dated April 15, 1994 (HLA, 1994a),

- *Amendments to Revised Work Plan and Revised Sampling and Analysis Plan, Aerojet AISA Site Assessment, San Gabriel Valley, California*, dated May 4, 1994 (HLA, 1994b), and

- *Vapor Monitoring Well Sampling Methodology, Aerojet AISA Site Assessment, San Gabriel Valley, California*, dated June 3, 1994 (HLA, 1994c).

1.1 Report Objectives

The objectives of this report are as follows:

- Document that the site assessment activities performed comply with the RWP, QAPP, SAP, and corresponding amendments that have been approved by the RWQCB,

- Provide a comprehensive presentation of all vadose zone and groundwater data collected to date at the AISA,

- Provide an evaluation of vadose zone chemical data including spatial concentration trends in relation to potential source areas,

- Provide an evaluation of hydrogeologic and groundwater chemical data including spatial and temporal trends in groundwater levels and in volatile organic compound (VOC) concentrations,

- Document the development of conceptual and numerical models of groundwater flow in the Baldwin Park Operable Unit, which have been demonstrated to accurately represent the regional groundwater flow system and local groundwater flow conditions at the AISA.

- Develop a conceptual model that describes the fate and transport of VOCs in the vadose zone at the AISA,

- Verify the primary mechanisms of VOC fate and transport identified in the conceptual model using theoretical models to predict VOC mass transfer and migration, and

- Develop recommendations for additional site assessment activities, if necessary.

To date, all proposed site assessment at the AISA has been completed with the exception of the Southern Kincaid Pit area (BA-1). Following completion of assessment activities in the Kincaid Pit area, an addendum to this report will be issued.

1.2 Report Organization

To achieve the above objectives, this report has been organized into the following sections:

- Section 1.0 - Introduction
- Section 2.0 - Site description, history, and background
- Section 3.0 - Summary of site assessment activities performed at AISA
- Section 4.0 - Results of soil-matrix, soil-gas, soil-vapor, and groundwater sampling
- Section 5.0 - Evaluation of vadose zone fate and transport processes and description of the conceptual model of the distribution, fate, and transport of VOCs in the subsurface at the AISA
- Section 6.0 - Summary and conclusions of the significant findings from the AISA site assessment

- Section 7.0 - Recommendations regarding future activities at the AISA
- Section 8.0 - Reference list of publications cited in the report

2.0 SITE DESCRIPTION, HISTORY, AND BACKGROUND

2.1 Site Description

The AISA comprises approximately 125 acres in the cities of Azusa and Irwindale in the north-central portion of the San Gabriel Valley, Los Angeles County, California. The study area lies at the base of the foothills of the San Gabriel Mountains near the mouth of Fish Canyon, approximately 1.5 miles east of the San Gabriel River/Santa Fe Flood Control Basin, immediately east of Irwindale Avenue, and just south of the 210 Freeway (Plate 1). Properties currently within the AISA include office, light industrial, and research and development buildings, with concrete and/or asphalt roadways and parking areas. The north boundary of the AISA encompasses portions of the former, partially backfilled gravel pit known as the Kincaid Pit, which is now crossed by the 210 Freeway. The south-central boundary of the AISA is the Azusa Land Reclamation Company gravel pit and landfill. Plate 2 shows the current topography of the AISA and of the neighboring gravel pits.

Present land uses within or near the AISA include residential housing, landfill operations, gravel mining, chemical product and paint manufacturing, automotive repair, metal forging and machining, urethane-based products manufacturing, and waste oil and solvent recycling and processing.

2.2 Site History

A detailed account of the activities at the Aerojet facility within the AISA was presented in the RWP. Plate 3 presents a historical summary of Aerojet-occupied land usage from 1943 to present.

Specific knowledge of the site use prior to 1943 is very limited. In 1943, a facility that produced and tested military bombs was located west of the original property boundary (Aerojet, 1983). The original 49-acre site leased by Aerojet in 1943 was used for mixing solid propellants and testing small rocket motors. In 1946, properties north and south of the original 49 acres were leased as a buffer strip (south side) and a burn area for small quantities of solid propellant waste (north side). Property east of the site was also purchased at that time. From 1943 to 1947, solid and liquid propellant rocket research and development and testing took place at the facility. Office, laboratory, storage, and test area buildings were constructed. Solid rocket fuels, consisting of petroleum-based binder material and oxidizers such as potassium perchlorate, and liquids consisting of oxidizers and fuels (such as aniline, furfuryl alcohol, and petroleum derivatives) were the primary chemicals used during this time. Small quantities of

solvents, including carbon tetrachloride (CCl_4) were also used in laboratory, cleaning, and degreasing operations. Surface flow of precipitation on and off of the site and site-generated water were managed by gravity drainage at leach beds, leach pits, and septic tanks with leach fields.

From 1948 to 1950, the original leased property and property to the south were purchased by Aerojet, and properties west and northwest of the original facility were leased, expanding the area of the facility to approximately 76 acres. Construction of the previously mentioned structures continued, and a small garage/machine shop (Building 136) and a trichloroethene (TCE) degreaser were built in the late 1940s. By 1953, laboratories and propellant storage facilities (in the center of the AISA), offices and manufacturing buildings (Building 59 and 57), support facilities (Buildings 118, 119, and 142), and a storage area for explosives (Special West Area) were complete or nearly complete.

Relocation of liquid and solid rocket operations from the site began in 1951 because of the expanding population of the Los Angeles area. An industrial waste treatment/sewer discharge system serving most of the facility was completed and permitted in 1952. This system included management of runoff from operational areas on the facility. In 1953, use of carbon tetrachloride was discontinued for cleaning solid rocket motor components because of health risk concerns. Hazardous/chemical substance and waste storage areas during this period are shown on Plate 4 of the RWP. Solvents were recycled offsite, and solid and industrial wastes were disposed of offsite during this period. Solid rocket propellant waste was burned in accordance with a Los Angeles County Air Pollution Control District (LACAPCD) permit, in the southern portion of the Kincaid Pit (BA-1).

Production of high-energy propellant additives; torpedo and anti-torpedo research; eutectic sodium, potassium, and mercury power generation; and development, assembly, and testing of electro-optical sensing devices and sensors occurred between 1953 and 1958. The facility property expanded to the northwest and southwest through leases, and to the south and east through land purchases during this period. Expansion consisted of offices, research labs, and manufacturing buildings, and Buildings 159 (now Optical Radiation Corporation [ORC]) and 163 supported the fiberglass and composite materials structure manufacturing operations. A sanitary sewer system was constructed in 1956/1957 to serve the facility. This allowed the septic tanks and leach pits to be pumped dry and taken out of service. Acids (e.g., nitric and hydrochloric) were used in research, testing, and analytical operations, and several degreasers (using TCE) were in operation at various locations (Buildings 57, 136, 159, and others) at the facility from 1953 to 1958. TCE was also used for cold cleaning at Buildings 159 and 163. Leach bed LB-1 was constructed to manage stormwater runoff from the site. Rocket production and testing

operations ceased at the facility in 1958, while rocket motor and propellant research and development continued along with other research and manufacturing activities.

From 1959 to 1962, the facility continued to expand to the west and the east through property purchases, and the southeast corner of the present facility was leased for parking. Construction continued in the Special West Area, at Buildings 57, 59, 159, 160, 175, and 183. Expansion and construction occurred in nonrocket-business areas, with the exception of continued research and development of fuels and related equipment during this period. Areas adjacent to the Aerojet facility (E.K. Metzner properties) during this period included a go-cart track, a fertilizer/agricultural product processing plant, and an automobile wrecking yard.

From 1963 to 1968, Aerojet purchased properties previously leased on the southwest side of the facility, which reached a size of 94 acres. Property owned by Wynn Oil Company near the northeast portion of the AISA was leased for parking, and some of the facility property on the northeast was sold to the State of California for the 210 Freeway. Buildings 199 and 200 were built and a 1,000-gallon underground storage tank for rinsewater containing organic solvents was installed on the north side of Building 200 (tank removed in 1982). A salvage and storage yard was in service from 1963 to 1970 near Building 166 (south-central portion of the facility). In 1966, the aboveground TCE storage tank (near Building 136) was removed. In 1965, transfer of all rocket propellant research and development to Aerojet's Sacramento facility prompted discontinuation of burning solid rocket fuel waste in the Kincaid Pit area (BA-1). Aerojet switched to alternative solvents (including tetrachloroethene [PCE] and 1,1,1-trichloroethane [1,1,1-TCA]) for degreasing operations in 1967. With the phasing out of certain projects, degreasing operations began to be substantially reduced throughout the Aerojet facility.

From 1969 to 1972, activities at the facility concentrated on electronics, primarily semiconductor research and development and assembly and testing of space sensors. In 1971, the proving grounds and supporting facilities in the west-central portion of the AISA were demolished and the area was converted into an employee parking lot. In 1970, use of leach beds LB-2 and LB-4 was discontinued and the industrial waste treatment plant and a 10,000-gallon underground storage tank (T-5 near Building 136) were relocated to their present locations (near the corner of Third Street and Aerojet Avenue). Because of limited production, reduction of chemical use and degreasing operations continued from 1969 to 1972, and hazardous material storage was reduced and centralized at Buildings 50 and 96 (at the northeast corner of the Aerojet property). A release of elemental mercury near Buildings 186, 187, and 156 was reported in mid-1971. The active portion of the facility comprised approximately 47 acres at the time.

From 1973 to 1981, reduction in size of the active areas on the facility continued. Aerojet leased Buildings 57, 119, 159, and 163 as follows:

- Building 57 - to a variety of tenants, who used the space for activities including storage of building materials, warehousing, vending machine storage, and manufacturing of bedsprings,
- Building 119 - to Ioptex (detailed description of past facilities and operations not available),
- Building 159 - to ORC (detailed description of past facilities and operations not available), and
- Building 163 - to Johnson Pump Company (JPC); past operations of JPC included pump cleaning and refurbishing.

Properties west of Central Avenue (now named "Aerojet Avenue") were leased to Reichhold Chemical Company and ORC. Other properties in the far western portion of the AISA were acquired by the City of Irwindale Community Redevelopment Agency (CRA). In 1979, a leak was discovered in a pipeline between Building 53 and an underground tank (installed in 1972) to the north. Twenty cubic yards of contaminated soil were removed and disposed offsite. TCE was detected at a maximum concentration of 420 parts per billion (ppb) in the soil (Aerojet, 1983, 104(e) response, Exhibit 1).

From 1982 to the present, Aerojet operations have emphasized high technology, computer-based research and development with limited production of scientifically complex products, thus reducing solvent and chemical use at the facility. Environmental requirements prompted construction of Building 202 for hazardous waste storage (northeast corner of the facility) in 1982; obtaining state and federal hazardous waste management permits and interim status in 1983; removal or retrofitting of underground tanks in 1982, 1985, and 1986; and use of vapor degreasers with Freon and Lonco 113 solvents (which exhibit lower volatility characteristics than previously used solvents). Buildings 1 and 2 (in the north-central and south-central portions of the AISA, respectively) were constructed, and previously leased Buildings 57, 119, and 163 (in 1984, 1990, and 1989, respectively) were reoccupied by Aerojet in 1982. Solvent use at the facility is very limited, and offsite hazardous waste management and disposal are performed in compliance with state and federal laws and regulations.

2.3 Description of Potential Source Areas

Aerial photographs (provided by the EPA) were reviewed for potential source area identification, characterization, and description as part of development of the RWP. The photographs were taken between 1945 and 1988. A list of the historical aerial photographs reviewed is provided in Table 6 of the RWP. The results of the aerial photograph study were used, together with historical environmental documentation, in the development of potential source area descriptions and to locate the AISA features on plan-view drawings. A cross-reference summary of the potential source areas and regulatory areas of interest and the photographs (using the EPA identification numbering system) on which they are visible is provided in Table 7 of the RWP. In this document, the term "potential source area" is used to designate locations and define the boundary of the AISA for which the available information on that location justified the potential for environmental sampling. A detailed description of potential source areas and other areas of interest of the regulatory agencies is provided in Section 1.1.6 and Appendix B of the RWP. Plate 3 of this report represents a chronology of Aerojet-occupied land usage.

On the basis of the historical information, the potential source areas, areas of interest identified in the SOW, and potential chemical handling areas that were not confirmed as potential source areas were organized into the following 16 categories in the RWP: degreasers, drum storage areas, sumps, storage tanks, waste disposal areas, burn area, ring channels, stain and liquid areas, industrial waste treatment systems, ponded liquid areas, leach beds, leach pits, drainage courses, PCB transformers, the E.K. Metzner area automobile wrecking yard, and the E.K. Metzner go-cart raceway. Potential source areas were identified in part based upon the review of the 3007/104e response documentation (104(e) response) (Aerojet, 1983) and subsequent responses to EPA requests for information (Aerojet, 1988 and 1990). The areas designated as potential source areas are shown on Plate 4 of this report described below.

- Degreasers - A total of 17 degreaser locations have been identified within the boundary of the AISA, based on the review of the 104(e) response. These locations have been designated DE-1 through DE-17, and degreaser location DE-1 has been further subdivided into two separate locations designated DE-1a and DE-1b. Available information on each of these degreasers is presented in Appendix B of the RWP. The degreaser locations are listed in Table 8 of the RWP.

- Drum Storage Areas - A total of 27 drum storage areas have been identified by either EPA or Aerojet within the boundary of the AISA, based on review of aerial photographs and the 104(e) response. These drum storage areas have been designated DR-1 through DR-27, and drum storage area DR-25 is further subdivided into four separate locations designated DR-25a through DR-25d.

Information on each of these drum storage areas is presented in Table 8 and Appendix B of the RWP.

- Sumps - Two sumps, the JPC sump and sump S-1, were identified within the AISA boundary. As discussed in Section 1.1.4.2.13 of the RWP, the JPC sump was investigated separately under Los Angeles County sump closure regulations. Sump S-1, as identified in the SOW, is located at the ORC facility along the south side of former Building 159 and was installed and used by ORC. Available information on sump S-1 was presented in Table 8 and Appendix B of the RWP. Sump S-1 was in use from 1972 to 1977. No additional information regarding this sump is available.

- Fuel, Oil, Solvent, and Waste Storage Tanks - A total of nine storage tanks at eight locations were identified within the boundary of the AISA. Available information on each of these tanks is presented in Appendix B of the RWP. The storage tanks are listed in Table 8 of the RWP. Based on the 104(e) response, including material storage and tank integrity testing data, Tanks 1a and 1b, and Tanks T-2 through T-5 were identified as potential source areas, and Tanks T-6 through T-8 were not potential source areas. The basis for these determinations is detailed in Appendix B of the RWP.

- Waste Disposal Areas - Evidence of waste disposal areas, as identified by the EPA in the SOW, was based on EPA's interpretation of historical aerial photographics. Four waste disposal areas (WD-1 through WD-4) were identified by the EPA within the boundaries of the AISA. Based on subsequent Aerojet review of aerial photographs and the 104(e) response, only WD-1 was confirmed as a potential source area. Waste disposal area WD-1 may not have actually been used specifically for waste disposal, but was located in a former rocket motor testing area.

- Burn Area - Burn area BA-1 was identified at the northwestern corner of the AISA. Available information on BA-1 is presented in Appendix B of the RWP. Waste solid rocket propellant was disposed of by controlled burning at BA-1. Burning was performed under a permit from the LACAPCD. Solid propellant used at the facility was composed of asphalt or fuel oil and perchlorate oxidizers. It was also reported that the Dameral-Allison Company used the area around BA-1 to dispose of juicing-plant citrus peels and other citrus wastes [104(e) response, Exhibit 7].

- Ring Channels - Two concrete ring channels were used on the Aerojet facility. Both were located in the eastern portion of the facility. The outside diameters of channels RC-1a and RC-1b were approximately 55 and 120 feet and the inside diameters were 40 and 70 feet, respectively. The space between the outer and inner rings was filled with water and used to test the hydrodynamic efficiencies of various hull designs and for other underwater mechanical engineering testing [104(e) response, Exhibit 1]. Only physical tests were performed inside the ring channels; no chemical testing occurred within these structures. Because no chemicals were used, stored, or disposed in either ring channel, neither location was considered a potential source area; however, at the direction of the EPA/RWQCB, the ring channel locations were incorporated into the soil gas characterization program.

- Stain and Liquid Areas - Six stain and liquid areas, designed SL-1 through SL-6, were identified by the EPA within the boundaries of the AISA on the basis of interpretation of historical aerial photographs. Available information on each of these areas is presented in Appendix B of the RWP.

- Industrial Waste Treatment Systems - Industrial waste treatment systems WT-1 and WT-2 were operated from 1952 to 1971 and from 1971 to the present, respectively. Detailed descriptions of these systems are presented in Appendix B of the RWP. System WT-1 received wastewater from rocket test bays, chemical laboratories, manufacturing and plating facilities, and plastics operations. System WT-2 receives only rinsewaters, and Aerojet policy prohibits chemical disposal to drains.

- Ponded Liquid Areas - Evidence of areas that might have contained ponded liquids, as identified by the EPA in the SOW, was based on EPA's interpretation of historical aerial photographs. Five ponded liquid areas (PL-1 through PL-5) were identified by the EPA within the boundaries of the AISA. Available information on the ponded liquid areas is presented in Appendix B of the RWP. Based on the review of aerial photographs and the 104(e) response, areas PL-3 and PL-4 were eliminated from the areas of concern.

- Leach Beds - On the basis of review of aerial photographs and the 104(e) response, four leach beds were identified within the boundary of the AISA. These leach beds were designated LB-1 through LB-4. Leach bed LB-2 consists of two locations immediately adjacent to one another. Detailed information available on each leach bed is presented in Appendix B of the RWP. A summary of leach bed area information is presented in Table 8 of the RWP.

- Leach Pits - Seven leach pits (LP-1 through LP-7) were identified within the boundaries of the AISA, on the basis of review of aerial photographs and the 104(e) response. Detailed information available on each of these leach pits is presented in Appendix B of the RWP. A summary of leach pit information is presented in Table 8 of the RWP. Leach pits LP-1 and LP-2 were installed for sanitary disposal of domestic wastes and not for disposal of industrial and/or laboratory wastes. It was the policy of the facility, as documented in 1947 [104(e) response], to separately collect organic wastes for subsequent disposal. The wastewaters discharged to leach pits LP-1 and LP-2 contained acids, bases, water-soluble salts, alkali metals, some inorganic reagents (excluding cyanides, chromium, and fluorine), potassium perchlorate, and ammonia [104(e) response]. Leach pit LP-3 was never built.

  Leach pits LP-4 through LP-7 are associated with domestic wastes only. Domestic wastewater from the buildings associated with leach pits LP-4 through LP-7 were drained to the septic tank and leach field/leach pit system. All buildings associated with leach pits LP-4 through LP-7 were constructed prior to 1957. No sewer services were provided to the buildings within the AISA prior to 1957 and all domestic wastewater was drained to septic tank and leach field/leach pit systems. By 1957, the City of Azusa's domestic sewer system was connected to buildings throughout most of the AISA facility [104(e) response, Exhibit 2]. Following connection of the City of Azusa's domestic sewer system, the previously used septic tanks and leach field/leach pits were pumped and filled with clean sand. Because LP-4 through LP-7 drained domestic wastes only, they are not believed to represent potential source areas.

- Drainage Courses - Three specific surface water drainage courses (designated DG-1 through DG-3) and one drainage basin (designated B-1) were identified within the boundary of the AISA, based on review of aerial photographs. These drainage courses, located at the southern edge of the AISA, controlled stormwater runoff, which in general flowed from north to south in the AISA. Available information on each of these drainage courses is presented in Appendix B of the RWP.

- PCB-Containing Transformers - In 1982, all eight transformers at the Aerojet facility containing polychlorinated biphenyls (PCBs) were drained and flushed. Seven were refilled with Dow Corning 561 silicone-based transformer fluid and one transformer was disposed of offsite. The PCB waste (Askarel fluid) was also sent to an approved offsite disposal site. The seven remaining transformers are designated TP-1 through TP-7. As summarized in Appendix B of the RWP, onsite filtering has been performed to further lower the residual PCB levels in the remaining transformers to below 50 parts per million (ppm).

- E.K. Metzner Automobile Wrecking Yard - The former Metzner automobile wrecking yard was operated in the western portion of the AISA between approximately 1963 and 1975. This property was never owned or occupied by Aerojet (Plate 3). The wrecking yard was an unpaved and uncovered area of approximately 1 acre that in 1963 contained over 150 wrecked cars, trucks, and piles of junked automotive engines, frames, and bodies. Two small buildings were identified along the western fenceline of the yard, and the soil visible between the wrecked vehicles, junk piles, and buildings is darkly discolored throughout much of the yard. No information was found regarding potential fuel and/or solvent storage or use on the property or waste handling at the facility. On the basis of common operations at automobile wrecking facilities, it is likely that waste oils, fuels, and degreasing solvents were used or handled at this facility. In addition, because of the large amount of scrap metal and acids in the yard, heavy metal contamination may have occurred at this location.

- E.K. Metzner Go-Cart Raceway - The former Metzner go-cart raceway was operated in the northwestern corner of the AISA between approximately 1959 and 1975. This property was never owned or occupied by Aerojet (Plate 3). The raceway is visible on 15 of the 48 aerial photographs provided by the EPA. It was an uncovered area of approximately 5 acres that included a parking lot and two buildings north of the track in 1963. No information was found regarding potential fuel and/or solvent storage or use on the property or waste handling at the facility. On the basis of common operations at automobile racetracks, it is likely that significant quantities of fuels were stored and used at the site, and degreasing solvents were likely used during maintenance and repair of the go-cart motors at this facility.

2.4 Previous Investigations

2.4.1 Regional Investigations

VOCs in groundwater were first detected in the San Gabriel Valley in 1979 when TCE was identified in a Valley County Water District well near Azusa. In 1984, four broad areas of VOC contamination within the basin were listed as San Gabriel Areas 1 through 4 on the EPA National Priorities List (NPL). The four areas were defined on the basis of water quality data available at the time of listing. Subsequent water quality sampling has shown that VOC contamination is present in many areas of the San Gabriel Valley. The entire San Gabriel Valley has been further subdivided into seven remedial investigation operable units (OU) that include NPL Areas 1 through 4. The AISA is located in OU-5.

Over 400 water supply wells are operated in the basin by water purveyors to extract groundwater that is used for industrial, commercial, and residential purposes. Water purveyors with contaminated wells have been required either to take those wells out of production, employ treatment measures, or blend the contaminated water with other water to ensure that the contaminant concentrations in water provided to their customers are below health-based state action levels.

2.4.2 Previous Investigations Within the AISA

Previous investigations performed within the AISA on Aerojet-owned/occupied property are described in detail in the RWP and have included the following areas:

- Building 53 Liquid Waste Tank (T-3) and Drain Pipe Areas - Shallow soil investigation resulting from observed leaking underground floor drain line (1979)
- Drainage Ditch South of Buildings 180, 187, and 156 - Surface water investigation resulting from observed elemental mercury (1971)
- Abandoned Leach Bed Near Building 16 (Leach Pit LP-1) - Shallow soil investigation (1983)
- Building 322 Gasoline and Motor Oil Storage Tanks T-5 through T-7 - Shallow soil tank leak investigation (1986)
- Proving Grounds, Leach Beds, and Related Drainage Ditches - Surface water sampling on several occasions over the lifetime of the proving grounds, the leach beds, and the drainage ditches leading to the leach beds
- Leach Bed Pond B (Leach Bed LB-2) - Routine effluent sampling (1960 through 1967)
- Industrial Sewer System - Routine effluent sampling (1952 through 1955)
- Sewer System - Routine sewer wastewater sampling (1973 through 1983)
- Building 200, Tank T-2 - Tank removal (1982)
- Building 57 Effluent - Plating line discharge sampling (1952)

- Building 164, Oil Skimmer Sludge Pit - Sludge sample collection (1983)

- JPC Sump - Sump removal and shallow soil investigation; results are presented in HLA, 1991e

2.5 Physical Setting

2.5.1 Regional and Local Geology

This section describes the regional and local geologic conditions in the San Gabriel Basin, based primarily on information published by the California Department of Water Resources (CDWR, 1966), California Division of Mines (1969; 1971), the U.S. Geological Survey (1965, 1966, and 1972), and the Los Angeles County Department of Public Works (LADPW, 1990). The discussion focuses on characterization of the water-bearing deposits that comprise the groundwater basin.

The San Gabriel Basin is a broad piedmont plain in eastern Los Angeles County that slopes to the southwest from the San Gabriel Mountains toward the Repetto, Merced, and Puente hills, and the Whittier Narrows. The San Gabriel Mountains range in elevation from approximately 900 feet at their base to over 10,000 feet above mean sea level. The mountains trend east-west and are approximately 80 miles long and 27 miles wide. They are composed primarily of Precambrian and undated igneous and metamorphic rocks, and Mesozoic plutonic intrusive rocks, and are characterized by steep, rocky ridges broken by numerous irregular canyons. The detritus derived from the San Gabriel Mountains comprises the Quaternary alluvium in the San Gabriel Basin.

The San Gabriel Valley Groundwater Basin, as defined by the CDWR, is an alluvial valley bounded on the northwest by the Raymond fault and on the north by the line of contact between the alluvium and the bedrock of the San Gabriel Mountains (coincidental with the Sierra Madre fault system). On the east the basin is bounded by a bedrock high separating the cities of San Dimas and La Verne, on the west by the Verdugo Mountains and San Rafael Hills, on the southwest by the Repetto Hills, on the south by the Merced and Puente hills (coincidental with the Elsinore-Whittier fault zone), and on the southeast by the San Jose Hills. The basement surface of the San Gabriel Valley is described as a closed elliptical depression attaining a subsea depth of approximately 12,000 feet (USGS, 1965). Faults that influence the flow of groundwater into the basin include the Raymond fault and faults of the Sierra Madre system; in particular, the Duarte and Cucamonga faults and an unnamed fault.

2.5.2 Regional and Local Hydrogeology

The water-bearing formations that comprise the San Gabriel Valley Groundwater Basin are primarily unconsolidated and partially consolidated nonmarine sediments of Recent and Pleistocene (Quaternary) age, but they also include marine sediments of probable Pleistocene and late Pliocene age. These water-bearing deposits consist predominantly of coarse sand, gravel, and boulders close to the mountain front, with increasing percentages of finer grained sediments with increasing distance from the mountains. These deposits are reported to have a maximum thickness of over 4,000 feet near the center of the basin.

Under natural conditions, prior to extensive pumping of groundwater for agricultural, municipal, and industrial uses, groundwater generally moved south from the northern basin perimeter, toward the Whittier Narrows (the same flow direction as the San Gabriel River). The effect of regional pumping is particularly evident near the cities of Alhambra, San Gabriel, and West Covina, where pumping depressions are prominent features in the groundwater surface of the basin. Sources of groundwater in the basin include precipitation, surface water, delivered water applied at the Santa Fe Reservoir and other spreading grounds, and subsurface inflow of groundwater from adjacent basins. Groundwater is extracted from the basin through wells and leaves the basin through Whittier Narrows as both subsurface outflow and groundwater discharge to the San Gabriel and Rio Hondo rivers.

Regional information for the AISA vicinity indicates that Quaternary alluvium, composed predominantly of sand, gravel, and boulders (some over 2 feet in diameter), with discontinuous interbedded layers of silt and/or clay, extends to a depth of approximately 800 to 1,000 feet. The alluvium reflects a typical environment of deposition where alluvial fans coalesce to create a broad sloping plain at the foot of a mountain range. Below these deposits are sedimentary, granitic, and metamorphic basement rocks (described above). The alluvial materials are reported to comprise a single major aquifer unit in the AISA vicinity. The aquifer system is believed to be vertically continuous and is characterized as unconfined.

Historical records indicate that the depth to groundwater in the general vicinity of the AISA ranges from approximately 200 to 350 feet below ground surface (bgs). Depth to water north of the Duarte Fault has been reported at approximately 100 feet bgs. Water levels in the immediately vicinity of the AISA have declined as a result of drought conditions during the last decade. The local direction of groundwater flow is reported to vary from west to southeast and is apparently influenced by precipitation, water spreading at the Santa Fe Reservoir spreading grounds, and groundwater pumping. Groundwater

extracted from production wells reportedly represents over 90 percent of the total water supply in the San Gabriel Basin.

2.5.3 Regional and Local Surface Hydrology

The surface water features of the San Gabriel Valley include the San Gabriel River, Rio Hondo, and their tributaries. These streams originate in the San Gabriel Mountains, from which the major portion of their runoff is derived. Almost all natural surface outflow from San Gabriel Valley exits through Whittier Narrows, the exceptions being small amounts that exit through two low gaps in the Repetto Hills, south of Monterey Park, and minor amounts that pass over the eastern portion of the basin boundary near La Verne. From the mouth of San Gabriel Canyon, near Azusa, the San Gabriel River traverses the valley in a southwesterly direction, passes through Whittier Narrows, and extends across the Los Angeles Basin coastal plain to the Pacific Ocean near Seal Beach. Rio Hondo drains the northwestern portion of the San Gabriel Valley, passes through Whittier Narrows, and ultimately discharges into the Los Angeles River, which in turn empties into San Pedro Bay near Long Beach.

The Los Angeles County Department of Public Works (DPW) operates 20 spreading grounds in the San Gabriel Valley for recharge of local aquifers to increase groundwater supplies (DPW, 1990). These spreading grounds receive direct valley runoff from the San Gabriel Mountains; some also receive imported water. The largest artificial recharge facility in the San Gabriel Basin is the Santa Fe Reservoir spreading grounds, just south of the mouth of San Gabriel Canyon and approximately 1.5 miles west of the AISA. The main San Gabriel groundwater basin, and, in particular, the local hydraulic system at the AISA, is reported to be influenced significantly by artificial recharge at the Santa Fe Reservoir spreading grounds and by infiltration from the San Gabriel River downstream of the Santa Fe Dam.

In general, natural surface water runoff in the AISA is to the south. However, localized drainage patterns have been altered by artificial drainage systems, roadways and pavement surfaces, and gravel mining operations along the southern margin of the AISA.

3.0 SITE ASSESSMENT ACTIVITIES

This section describes the scope of work performed at the AISA. Detailed methodologies are not provided; however, reference is made to the documents that contain the methodologies used to complete each field activity.

The scope of the AISA site assessment included the sampling and analysis of soil gas, soil vapor, soil matrix, and groundwater. For the purpose of this report, soil gas refers to subsurface gases collected from temporary driven soil-gas points. Soil vapor refers to subsurface gases collected from permanent vapor monitoring wells. Samples were analyzed for a wide range of potential contaminants including VOCs, semivolatile organic compounds (SVOCs), and metals.

3.1 Scope of Planned Site Assessment

The AISA site assessment scope of work was developed in response to the SOW and is described in detail in the RWP. For descriptive purposes, the subsurface has been divided into three zones: shallow - 0 to 40 feet bgs, intermediate - 40 to 100 feet bgs, and deep - 100 to 350 feet bgs. The scope of field activities comprised the following:

- Sample point location and underground utility clearance;
- Soil-gas survey (823 points) in the shallow zone (locations shown on Plate 5);
- Soil-matrix sampling (276 samples from 72 discrete locations) in the shallow, intermediate, and deep zones (locations shown on Plate 2); Table 1 presents a summary of soil-matrix sample analysis by potential source area;
- Soil-vapor monitoring well installation in the shallow (88 wells in 32 wells clusters), intermediate (10 wells in 2 well clusters), and deep zones (18 wells in 4 well clusters) (locations shown on Plate 2);
- Soil-vapor monitoring well sampling and analysis;

- Groundwater monitoring well installation in the deep zone (5 wells) (locations shown on Plate 2); and

- Groundwater level monitoring and sampling.

In accordance with the RWP, the site assessment was conducted in a phased approach to allow refinement of sampling locations based on previously collected data. For example, following interpretation of the soil-gas data collected during the first three sampling events, proposed shallow zone boring and vapor monitoring well locations were modified to allow for better delineation of areas indicating elevated concentrations VOCs in the soil gas.

3.2 Sample Point Location and Underground Utility Clearance

All sample points, including soil-gas samples, near-surface sediment samples, shallow zone borings, shallow vapor monitoring wells, intermediate and deep vapor monitoring wells, and groundwater monitoring wells, were located by measurement to existing surface features (such as buildings, roads, and previous sampling locations) using a fiberglass tape and surveyor's wheel. Sample locations were marked with nontoxic marking paint, wooden stakes, chalk, or lumber crayons. Sample point location began in January 1992 and continued intermittently through May 1994.

Underground utility clearance at the proposed sample locations consisted of using at least one of the following geophysical techniques: ground penetrating radar, electromagnetic, and pipe and cable locating instruments (RD-400 or equivalent). Data obtained during the geophysical clearance program were documented on sample point clearance record forms. These records were compared to underground utility plans by Aerojet personnel for sample locations on Aerojet property. Samples locations that were not on Aerojet property were checked and cleared by a representative of that property's owner and/or lessee. Underground Services Alert was contacted prior to the start of any subsurface field work. All utility clearance activities were performed by qualified HLA personnel and conducted in accordance with methodology described in the SAP. Underground utility clearance began in February 1992 and continued intermittently through May 1994.

3.3 Sample Numbering System

A sample numbering system was developed to uniquely identify all samples collected during the AISA field investigation. Sample numbers were assigned by describing the investigation element, the element

number, and the sample depth separated by dashes. Investigation elements performed at the AISA include soil-gas sampling (SG), near-surface sediment sampling (NSS), shallow zone borings (SZB), shallow vapor monitoring wells (SVMW), intermediate and deep zone vapor monitoring wells (IDVMW), deep vapor monitoring wells (DVMW), and groundwater monitoring wells (MW). In addition to the sample identification number, the date, time, and sample type (matrix or quality control [QC] type) were recorded on the sample label and chain-of-custody (COC) and are an integral part of the sample identification. The AISA quadrant number, potential source area identification, and other sample designations were applied to specific sample numbers as appropriate. The following are examples of sample number designations for each type of sample matrix:

- Soil-gas samples - SG-728-5(r) represents sample number 728 collected through a temporary soil gas probe from a depth of 5 feet. The "(r)" designation indicates that it is a replicate sample. Replicate samples were given an "(X)" designation following entry into the computer database and are presented in data tables with the "(X)" designation.

- Soil-matrix samples - SVMW-29C-1.25 represents a sample collected from shallow vapor monitoring well boring number 29 at a depth of 1.25 feet. The "C" designation indicates that it was collected during the fourth boring attempted at that location. The first through third boring attempts are identified by sample numbers SVMW-29-1.25, SVMW-29A-1.25, and SVMW-29B-1.25, respectively. The sample medium (soil matrix) is recorded on the associated supporting sampling documentation (boring logs, sample labels, and chain of custody).

  DG-1-NSS-03-1.5 represents a sample collected at a near-surface sediment sampling location from potential source area DG-1, boring number 3, at a depth of 1.5 feet.

- Soil-Vapor monitoring well samples - SVMW-05-21.0 represents a soil-vapor sample collected through the well access tubing at shallow vapor monitoring well number 5 at a depth of 21 feet. The sample medium (soil vapor) is recorded on the associated supporting sampling documentation (sampling information sheets and field analytical data sheets). Replicate samples were given an "(X)" designation.

  MW-03-307ST represents a sample collected from the headspace within the sounding tube annulus. Because a soil-vapor monitoring well screen is not installed at MW-3 at a depth of 307 feet, the sample number MW-03-307 would represent a sample collected from the headspace of MW-03 at a depth of 307 feet.

DVMW-02 # is the database designation for a soil-vapor sample collected from the monitoring well completed at MW-02. The "#" designation indicates the sample was collected from the headspace of the groundwater monitoring well sounding tube.

IDMW-01-202.0 represents a soil-vapor sample collected from intermediate deep zone vapor monitoring well 1 at a depth of 202 feet.

- Groundwater samples - MW-05 represents a groundwater sample collected from monitoring well number 5. No depth is associated with groundwater sample numbers because this information is recorded on the associated supporting sampling documentation.

  Aqueous QC samples are designated with hypothetical well numbers starting with MW-6; well numbers MW-1 through MW-5 are reserved for groundwater samples collected from the five monitoring wells at the AISA. The type of QC sample is recorded on the supporting documentation to ensure that the sample is submitted "blind" to the laboratory.

Acronyms used for sample designations are recorded on the supporting documentation and explained the associated data summary tables.

3.4 Shallow Zone

The AISA shallow zone investigation required four sampling events to complete the soil-gas survey, three sampling events to complete the drilling and installation of vapor monitoring wells, and four sampling events of vapor monitoring well sampling and analysis. Multiple sampling events were necessary because of the need to review available data prior to implementation of the next phase of field work and because of rain and equipment delays, plant closures, offsite (non-Aerojet property) access issues, and RWQCB approval of methodology deviations. Thirteen soil-gas sampling locations and three SZBs in the southern Kincaid Pit area (BA-1) remain to be completed.

3.4.1 Near-Surface Sediment Sampling

A total of 31 near-surface sediment samples were collected at 15 locations and analyzed. All 15 locations proposed in the SAP were sampled. Eleven locations in Quadrants I and II (DG-1-NSS-01 through DG-1-NSS-04 and TP-1-NSS-01 through TP-7-NSS-01) were sampled on August 31 and September 3, 4, 15, 16, and 24, 1992, per the RWQCB-approved workplan. DG-1-NSS-01 through DG-1-NSS-03 were resampled

because the sample volume was inadequate to complete the requested laboratory analyses. Four locations in Quadrant III (DG-1-NSS-01 through DG-1-NSS-04) were sampled on June 10, 1993.

Three samples were collected at each drainage course (DG) location. If artificial fill was encountered (e.g., DG-1-NSS-04 and all DG-3 samples), the first sample was collected below the fill. One sample was collected at each of the transformer pad (TP) locations. All field activities and analytical procedures were conducted in accordance with methodology and sampling protocol described in the SAP, QAPP, and Appendix A of the HLA report entitled *Initial Results of Shallow Zone Soil Matrix and Vapor Monitoring Well Sampling, Azusa/Irwindale Study Area, San Gabriel Valley, California* (IRSZS), dated November 19, 1993 (HLA, 1993d).

3.4.2 Soil-Gas Survey

Four sampling events were performed as part of the AISA soil-gas survey program. A detailed description of the first three events (comprising the majority of the work) is presented in HLA reports entitled *Soil-Gas Technical Memorandum, Azusa/Irwindale Study Area Site Assessment, San Gabriel Valley, Los Angeles County* (SGTM), dated June 25, 1992 (HLA, 1992g) and *Comprehensive Soil-Gas Technical Memorandum, Azusa/Irwindale Study Area Site Assessment, San Gabriel Valley, Los Angeles County, California* (CSGTM), dated September 10, 1993 (HLA, 1993c). The fourth part of the soil-gas survey was conducted on May 17, 24, and 25, 1994, and consisted of sampling an additional 17 locations (SG-1101 through 1117) in Quadrants I and II. Plate 5 presents soil-gas sample locations.

The chronology of soil-gas sampling field activities, as related to the four quadrants of the AISA, is summarized in Table 2. The soil-gas sampling and analysis program was performed in accordance with the methodology described in the SAP, QAPP, CSGTM, and respective amendments. At all times, soil-gas sampling procedures complied with the RWQCB-approved SAP and/or well investigation program (WIP) guidelines. All soil-gas sampling locations and vapor monitoring well locations were discussed and approved by the RWQCB.

3.4.3 Shallow Soil-Vapor Monitoring Wells and Shallow Zone Borings

A total of 32 shallow vapor monitoring well clusters and 35 shallow zone borings were completed. Hollow-stem auger (HSA) drilling equipment was used during the first and second field events as described in the IRSZS. Air rotary (Odex) drilling equipment was used during the third field event to install shallow vapor monitoring wells and collect soil-matrix samples at SZB and SVMW locations

where the HSA drilling equipment and analytical results of soil samples collected during HSA drilling failed to meet minimum project data quality objectives (DQOs) (as described in the QAPP and IRSZS).

Drilling, soil-matrix sampling, and soil-vapor monitoring well installation were performed in Quadrants I and II and portions of III from January 18 through March 5, 1993 (initial sampling event). Extremely difficult drilling conditions were experienced at the site. Gravel, cobbles, and boulders encountered in all borings resulted in damaged equipment, which prevented collection of specific samples and/or completion of several borings to their target depths. Repeated auger refusal occurred at 4 of the 25 SVMW locations (SVMW-01, SVMW-05, SVMW-11, and SVMW-19) at less than 50 percent of the target depth of 40 feet. Repeated auger refusal occurred at 2 of the 11 SZB locations (SZB-01 and SZB-05).

Following resolution of offsite access issues, field activities resumed on December 7, 1993, in Quadrants III and IV. Seven shallow vapor monitoring well clusters were installed and 24 shallow zone borings were drilled and sampled using HSA drilling equipment. This sampling event was completed by January 11, 1994. Repeated auger refusal occurred at SVMW-35, SZB-28, and SZB-34 at less than 50 percent of the target depth of 40 feet. SZB-35 was drilled and sampled on May 26, 1994, using HSA drilling equipment.

In accordance with the SAP and its amendments and following evaluation of soil-matrix and soil-vapor data collected during the initial drilling and sampling events, air rotary drilling equipment was used to complete the drilling, sampling, and installation of shallow zone borings and shallow vapor monitoring wells that were not completed during the HSA sampling events. Air rotary drilling at SVMW-01, SVMW-05, SVMW-11, SVMW-19, SVMW-35, SZB-05, SZB-28, and SZB-34 was conducted from April 11 through 24, 1994.

The locations of shallow zone borings and shallow vapor monitoring wells are shown on Plate 2. Table 3a presents a well completion summary, and Appendix B provides boring logs and well completion diagrams for these monitoring devices. Field methodology and sampling protocol are described in the SAP, QAPP, and IRSZS and respective amendments and Appendix A of this report.

3.5 Intermediate and Deep Zone

AISA intermediate and deep zone investigation activities included groundwater monitoring well and intermediate and deep soil-vapor monitoring well installation, groundwater level monitoring, sampling and analysis, and soil-vapor monitoring well sampling and analysis.

3.5.1 Groundwater Monitoring Well Installation

Groundwater monitoring well MW-01 was drilled and installed in September 1992 using mud rotary drilling equipment. Because of difficult drilling conditions and inability to collect undisturbed samples, groundwater monitoring wells MW-02 through MW-05 were installed with Stratex downhole hammer air rotary drilling equipment. MW-03 and MW-04 were installed in Quadrants I and II, respectively, in January 1993. MW-02 was installed in Quadrant II in October 1993. MW-05 was installed outside the AISA boundary in the northern Kincaid Pit area in May 1994.

Soil-matrix samples were collected at representative intervals and analyzed in accordance with analytical methods proposed in the SAP. Because undisturbed samples could not be obtained at MW-04 in the shallow zone using the Stratex system, an HSA rig was used to collect soil matrix samples (MW-04a and MW-04b) in the shallow zone adjacent to MW-04.

To evaluate the vertical distribution of vapor-phase constituents, MW-02 through MW-05 were completed as dual-completion groundwater and soil-vapor monitoring wells. Following well installation, each groundwater monitoring well was developed in accordance with the SAP, and a dedicated HydroStar sampling pump and sounding tube were installed into the well casing. The reference mark established at the top of the sounding tube was subsequently surveyed for horizontal and vertical control by a licensed surveyor. The location of groundwater monitoring wells is shown on Plate 2. Boring logs, well construction details, and pump installation details are presented in Appendix B. Survey data and a groundwater well completion summary are presented in Table 3b.

3.5.2 Intermediate and Deep Soil-Vapor Monitoring Well Installation

Following evaluation of the shallow soil vapor sampling results, two intermediate-deep vapor monitoring well clusters (IDVMWs) were drilled and installed during May 1994. IDVMW-01 and IDVMW-02 were constructed to provide information regarding the vertical distribution of soil-vapor concentrations at depths greater than 40 feet where elevated shallow (less than 40 feet) soil-vapor concentrations of TCE were increasing with depth. In accordance with HLA's letter amendment to the SAP dated May 4, 1994 (HLA, 1994b), IDVMWs were drilled and installed using Stratex downhole hammer air rotary drilling equipment. Both IDVMWs are located in Quadrant I adjacent to shallow vapor monitoring wells SVMW-06 and SVMW-02, respectively. Each boring was advanced to the top of the groundwater potentiometric surface. Five multilevel soil vapor piezometers were installed each location. The lowermost well was placed within 10 feet above the groundwater level encountered during drilling to

evaluate the concentration of vapor-phase constituents immediately above the groundwater potentiometric surface. Soil-matrix samples were not collected during drilling because soil-matrix contamination was not observed in samples obtained from adjacent SVMW locations. The locations of IDVMW-01 and IDVMW-02 are shown on Plate 2. Boring logs and well construction diagrams are presented in Appendix B. A summary of well completion details is presented in Table 3a.

3.6 Soil-Vapor Monitoring Well Sampling

The initial sampling of shallow vapor monitoring wells and deep vapor monitoring wells DVMW-03 and DVMW-04 in Quadrants I, II, and portions of III was performed from June 14 through 17, 1993, as presented in the IRSZS. The initial sampling of shallow vapor monitoring wells in Quadrants III and IV and DVMW-02 was performed on February 14, 1994. Air rotary-installed vapor monitoring wells (SVMW-01, SVMW-05, SVMW-11, SVMW-19, SVMW-35, IDVMW-01, IDVMW-02, and DVMW-05) and previously sampled shallow and deep vapor monitoring wells were sampled during the comprehensive soil-vapor sampling event performed in June 1994. A second round of soil-vapor samples from the air rotary-installed vapor monitoring wells listed above was collected and analyzed on July 28, 1994.

To aid in the interpretation of soil-vapor data, samples of the groundwater monitoring well casing headspace (within the sounding tube) were collected and analyzed. The collection and analysis of headspace samples was performed initially at MW-02 on February 14, 1994. Headspace samples at MW-01 through MW-05 were subsequently collected and analyzed in conjunction with intermediate and deep zone vapor monitoring well sampling performed during the comprehensive (June 1994) and later (July 1994) sampling events. The methodology used to collect and analyze the headspace samples is presented in Appendix A of this report.

Soil-vapor monitoring well sampling methodology was amended prior to the comprehensive sampling event (HLA, 1994c). In addition to the previous sampling and analysis requirements, special analytical techniques were employed to obtain a 1 microgram per liter (μg/l) detection limit for 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA), cis-1,2-dichloroethene (cis-1,2-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE). The compounds 1,2-dibromoethane (EDB), acetone, and chloroform were also added to the AISA target compound list. HLA's letter dated June 3, 1994, outlines the specific methodology implemented (HLA, 1994c). Vapor monitoring well locations are presented on Plate 2.

3.7 Groundwater Level Monitoring and Sampling

Groundwater monitoring wells MW-01 through MW-05 were monitored for water levels monthly and sampled quarterly in accordance with the basin-wide schedule requested by the RWQCB. Field methodology, sampling protocol, and groundwater monitoring and sampling results are presented in the SAP, QAPP, and HLA's *Results of Second Quarter 1994 Groundwater Sampling* (HLA, 1994d).

4.0 RESULTS

This section presents the results of data collected during site assessment activities described in Section 3.0. Results are presented as they relate to local geology, hydrogeology, or environmental medium (i.e., soil matrix, soil gas, soil vapor, and groundwater). Following an initial review of chemical data, it was determined that the following six VOC indicator compounds best represented the distribution of VOCs at the AISA:

- Trichloroethene (TCE)
- Tetrachloethene (PCE)
- 1,1,1-trichloroethane (1,1,1-TCA)
- Carbon tetrachloride (CCl_4)
- Trichlorofluororomethane (CFC-11)
- 1,1,2-trichloro-1,2,2-trifluoroethane (CFC-113)

These compounds have been the most frequently detected VOCs in the vadose zone at the AISA. Following the presentation of chemical results for each environmental medium, chemical data are discussed relative to spatial concentration trends and potential sources.

4.1 Geology

The subsurface geology at the AISA as encountered in borings and wells is illustrated on Cross Sections A-A', B-B', C-C', and D-D' (Plates 6 and 7). The locations of these cross sections are shown on Plate 2. The vadose zone and the underlying groundwater aquifer consist of unconsolidated alluvium. These sediments generally are composed of poorly sorted sand and gravel with the gravel fraction containing cobbles and boulders as large as 2 feet in diameter. Thin (3- to 5- foot thick), well-sorted silt and sand layers have been encountered sporadically during drilling activities in the vadose and saturated zones. The distribution of the poorly sorted sand and gravel with rare fine-grained silt and sand layers in the subsurface at the AISA is consistent with the deposition of sediments in a high-energy proximal alluvial fan environment. The sediments originate from the nearby San Gabriel Mountains. Fine-grained deposits associated with a proximal alluvial fan environment are typically lenses that are elongated parallel to the source direction and are not laterally continuous; therefore, stratigraphic correlation of the fine-grained lithologic groupings between boreholes is difficult. This results in a scale-dependent homogeneity of coarse-grained alluvial sediments in the subsurface at the AISA (Plates 6 and 7). No

laterally continuous layers of fine-grained sediments were encountered that would significantly impede the lateral or vertical movement of water or soil vapors.

4.2 Soil-Matrix Sample Results

This section presents soil-matrix sampling results for near-surface sediment, soil borings, and soil-vapor and groundwater monitoring well borehole samples. A summary of data validation procedures and results for soil-matrix samples is presented in Appendix D.

4.2.1 Near-Surface Sediment Sample Results

The chemical results of near-surface sediment samples are presented in Table 4 for VOCs (EPA Method 8240), Table 5 for SVOCs (EPA Method 8270), Table 6 for metals (EPA Methods 6010 and 7000 series), Table 7 for dioxin and furans (EPA Method 8280), Table 8 for chlorate and cyanide (EPA Methods 308.0 and 9012, respectively), and Table 9 for PCBs (EPA Method 8080). Laboratory data sheets were provided in the IRSZS. Logs of boreholes from which these samples were collected are presented in Appendix B.

Samples collected near drainage courses (DG-1 and DG-3) at the AISA indicated no VOC or SVOC constituents above the Practical Quantitation Limit (PQL), except for five detections of acetone at concentrations less than 10 micrograms per kilogram (μg/kg) in samples DG-1-NSS-02 and DG-1-NSS-04. These detections are believed to be related to laboratory contamination because of their low concentrations and sporadic occurrence.

Analyses for inorganic constituents indicated the presence of naturally occurring metals such as aluminum, barium, chromium, copper, cyanide, lead, nickel, manganese, mercury, and zinc. Concentrations of lead and mercury are generally below detection limits. Chemical concentrations above PQLs were screened against health-based Preliminary Remediation Goals (PRGs) established by the EPA, Region IX (EPA, 1993). These PRGs were developed to screen out concentrations that are not of health concern. If a concentration exceeds a PRG, remediation will not necessarily be required, but further evaluation and consideration of site-specific factors should be considered. Table 10 presents a comparison of site concentrations to EPA PRGs. The observed concentrations of these metals indicate no potential threat to human health or the environment with one exception. Arsenic was detected at a maximum concentration of 47.2 milligrams per kilogram (mg/kg). Although this concentration exceeds the EPA's health-based industrial PRG (3.3 mg/kg), the detected arsenic concentrations are believed to be naturally occurring. Naturally occurring concentrations of arsenic in soil and groundwater routinely

exceed health-based values. The natural occurrence of arsenic is further confirmed by the documented occurrence of arsenic in alluvial sediments in the western United States and, in particular, the Los Angeles area (USGS, 1984).

Dioxin and furans were not detected in samples collected in the DG-1 area with the exception of six samples with concentrations ranging from 0.19 to 1.4 nanograms per gram. Comparison of the calculated 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) toxic equivalent value of the dioxin congeners detected in DG-1-NSS-03-2.00 (1.4E-06 mg/kg) to the EPA PRG (1.9E-05 mg/kg) indicates that the dioxins detected indicate no potential threat to human health or the environment. PCBs were detected in three samples collected from transformer pad locations TP-1, TP-3, and TP-5 at concentrations of 0.38, 0.39, and 0.17 mg/kg, respectively. The PRG for PCBs is 0.37 mg/kg.

Chlorate was not detected in any near-surface sediment samples. Cyanide was detected in three samples at concentrations ranging from 0.55 to 4 mg/kg (all in the DG-3 area), well below the lowest cyanide EPA PRG of 10,000 mg/kg.

4.2.2 Soil Boring and Monitoring Well Borehole Sample Results

The results of chemical analysis of soil-matrix samples collected from borings are presented in Table 4 for VOCs, Table 5 for SVOCs, Table 6 for metals, Table 7 for dioxin and furans, Table 8 for chlorate and cyanide, and Tables 11 and 12 for VOCs using EPA Methods 8010 and 8020, respectively. Logs of soil borings are presented in Appendix B. Laboratory data sheets for samples collected before March 6, 1993, were provided in the IRSZS. Laboratory data sheets for samples collected after March 6, 1993, are provided in Appendix C.

Soil-matrix samples collected at the AISA generally did not indicate the presence of VOCs or SVOCs. Acetone and methylene chloride were detected sporadically in a relatively small number of samples at concentrations below 20 μg/kg, with the exception of one detection of acetone at 190 μg/kg. Di-n-butyl phthalate was detected in five samples at concentrations ranging from 0.40 to 0.81 μg/kg. These concentrations are believed to be related to laboratory contamination because are they found in samples from various locations and depths at the AISA and do not appear to be related to potential source areas. Other compounds detected at very low concentrations included 1,2,4-trimethylbenzene (one detection of 13 μg/kg), CFC-113 (three detections ranging from 7.2 to 25 μg/kg), and total xylenes (four concentrations ranging from 5.3 to 20 μg/kg). With the exception of CFC-113, these low concentrations appear to be

anomalous because these compounds were not detected in either soil-gas/soil-vapor or other nearby soil-matrix samples.

Naphthalene was detected in one sample collected from MW-02 at a depth of 58.5 feet. VOC analyses (EPA Method 8240) indicated a concentration of 1,300 μg/kg, and SVOC analyses (EPA Method 8270) indicated a concentration of 440 μg/kg. The sample collected immediately above, at a depth of 58.25 feet, and collected the day before did not indicate any detectable concentrations of naphthalene at or above the reporting limits (5.0 and 330 μg/kg for EPA Methods 8240 and 8270, respectively). It is believed that the reported naphthalene concentrations do not represent in situ conditions and may be due to field- or laboratory-introduced contamination.

TCE was detected in two soil-matrix samples from the borings for SVMW-27 (5.6 μg/kg at 4 feet bgs) and SVMW-30 (37 μg/kg at 5 feet bgs). These detections appear to be consistent with soil-gas and soil-vapor results in these areas; however, nondetected soil-matrix sample results in other areas are not consistent with the soil-gas and soil-vapor results. Comparison of chemical results from soil-gas, soil-vapor, and soil-matrix samples indicates that the most representative sample medium for VOC sampling is soil vapor. This medium is the most representative because VOCs partition preferentially to the gas/vapor phase. This preferential partitioning is related to the following:

- The physical properties of vadose zone materials including low total organic carbon content (TOC), very small fraction of clay minerals, the coarse-grained nature of the material, and the depositional environment.

- The physical properties of the VOCs detected in the vadose zone including Henry's Law constant, organic carbon partition coefficient, vapor pressure, and solubility in water.

Results for the nine samples analyzed for TOC indicate a range of concentrations from 150 to 691 μg/kg (Table 8).

Analyses for inorganic constituents indicated the presence of naturally occurring metals such as aluminum, barium, chromium, copper, cyanide, lead, nickel, manganese, mercury, and zinc. Concentrations of these metals are generally below detection limits or health-based PRGs established by the EPA Region IX (EPA, 1993) (Table 10). Consequently, the observed concentrations of these metals indicate no threat to human health or the environment. Arsenic was detected at various concentrations ranging from less than 1 mg/kg to a maximum of approximately 47 mg/kg at SZB-05E at a depth of

1.0 foot (EPA PRG 3.3 mg/kg). No concentration trends were observed with depth or location, indicating that the arsenic is naturally occurring. The variability observed in arsenic concentrations may be related to the variability of the mineralogic composition of the alluvial sediments sampled.

Chlorate was not detected in any samples collected in soil borings or monitoring well boreholes. Cyanide was detected in five samples at concentrations ranging from 0.60 to 6.5 mg/kg, well below the lowest EPA PRG for cyanide (10,000 mg/kg).

Dioxin and furans were detected in two samples (SVMW-01 at 1.25 feet bgs and SVMW-30 at 4.75 feet bgs) at concentrations ranging from 0.041 to 1.5 nanograms per gram. Comparison of the calculated 2,3,7,8-TCDD toxic equivalent value of the dioxin and furan congeners detected in SVMW-30 (3.2E-06 mg/kg) to the EPA PRG (1.9E-05 mg/kg) indicates that the dioxin and furans detected indicate no potential threat to human health or the environment.

4.3 Soil-Gas Sample Results

The results of chemical analysis of soil-gas samples collected from shallow soil-gas probes are presented in Table 13. The distribution of soil-gas concentrations for the six indicator VOCs are shown on Plates 8a through 8f. Laboratory data and QA/QC worksheets for samples collected before May 17, 1994, were provided in the CSGTM. Laboratory data sheets for samples collected after May 17, 1994, are provided in Appendix E. Sampling information data sheets are provided in Appendix F. Laboratory QA/QC data are provided in Appendix G.

TCE concentrations in soil gas were generally below 100 micrograms per liter (μg/l), with the highest concentrations observed in the northeast portion of the site near Building 57 and the 210 Freeway. TCE was also observed at concentrations greater than 100 μg/l near Building 118 and the southern portion of ponded liquid area PL-5 (Plate 8a).

PCE concentrations in soil gas were all below 100 μg/l with the highest concentrations observed in the northeast part of the site near Building 57 and the 210 Freeway (Plate 8b).

Concentrations of 1,1,1-TCA were generally below 100 μg/l, although concentrations greater than 100 μg/l were detected in three areas: (1) the central part of the site on ORC property, (2) near Building 194, and (3) the northeast portion of the site near Building 57 and the 210 Freeway (Plate 8c).

CCl_4 concentrations were below 100 $\mu g/l$ for all soil-gas samples and did not indicate any distinctive spatial trends (Plate 8d).

Similar to the other VOCs, CFC-11 concentrations were generally below 100 $\mu g/l$ across the AISA. However, three areas of CFC-11 concentrations above 100 $\mu g/l$ were observed. These areas are (1) the northeast portion of the site near Building 57 and the 210 Freeway, (2) near Building 1 south of the Kincaid Pit, and (3) near Building 194 (Plate 8e).

CFC-113 was the most widely detected VOC in soil gas at the AISA. Concentrations exceeded 100 $\mu g/l$ in a large area in the center of the site on ORC property. Concentrations in this area exceeded 1,000 $\mu g/l$, reaching a maximum of 3,400 $\mu g/l$ on ORC property at a location near the southeast corner of former drum storage area (DR-6) (Plate 8f). In addition, CFC-113 concentrations equaled or exceeded 1,000 $\mu g/l$ in the western part of the site near the northwest portion of the ORC property; in a small area south of Building 160, and in the northeast part of the site near Building 57 and the 210 Freeway (Plate 8f).

4.4 Soil-Vapor Sample Results

The results of the chemical analysis of soil-vapor samples collected from vapor monitoring wells are presented in Table 14. The distribution of soil-vapor concentrations for the six indicator VOCs at various depth intervals is shown on Plates 9a through 14g. Laboratory data and QA/QC sheets for samples collected before November 19, 1993, were provided in the IRSZS (HLA, 1993c). Laboratory data sheets for samples collected after November 19, 1993, are provided in Appendix E. Sampling information data are presented in Appendix F. Laboratory QA/QC data are provided in Appendix G.

Shallow vapor monitoring wells were grouped into three depth intervals: 5 to 8 feet bgs; 18 to 25 feet bgs; and 25 to 50 feet bgs. Intermediate and deep vapor monitoring wells were grouped into four depth intervals: 82 to 117 feet bgs; 141 to 167 feet bgs; 189 to 265 feet bgs; and 306 to 310 feet bgs. For the purposes of contouring, the highest concentration was used if the same well cluster had two wells completed within the same interval (189- to 265-foot bgs interval) to allow for better control. Three-dimensional representations of the distribution of the six indicator VOCs were developed by compositing the VOC distribution maps for the various depth intervals and are presented on Figures 1 through 6. Although all soil-vapor monitoring wells were sampled twice, soil-vapor results are presented and discussed for the June and July 1994 comprehensive sampling events to provide a contemporaneous representation of the spatial distribution of VOCs. Groundwater concentrations for the six indictor

VOCs, where detected, are also shown on these three-dimensional representations to illustrate the relationship between soil-vapor and groundwater concentrations.

In general, soil-vapor results from shallow vapor monitoring wells screened in the 5- to 8-foot bgs interval agree favorably with soil-gas results from shallow soil-gas probes. A comparison of the results of soil-gas and soil-vapor samples collected within a 5-foot radius of each other is shown in Table 15. Soil-vapor results for the six indicator VOCs are discussed below.

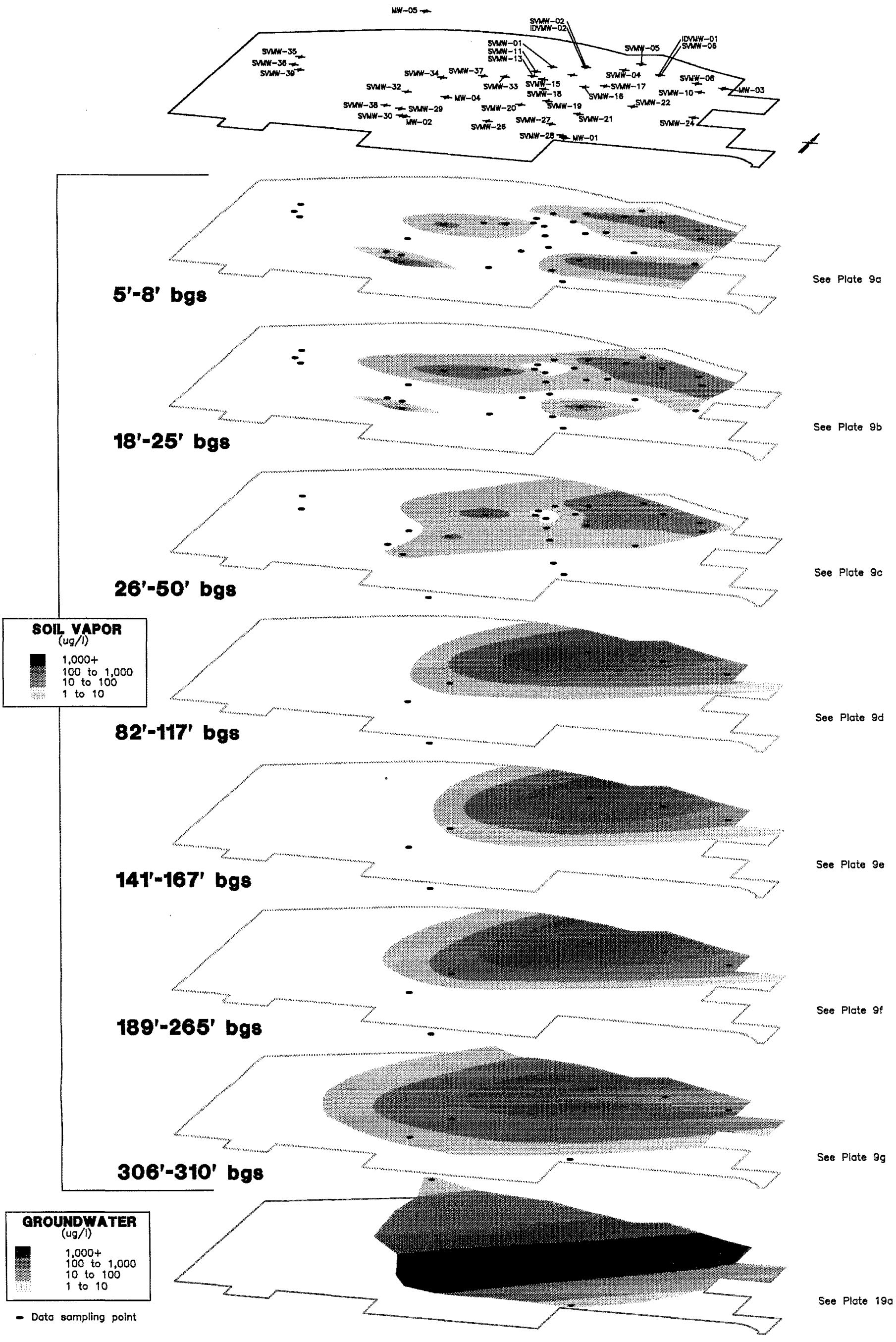
4.4.1 Trichloroethene

The distribution of TCE in soil vapor at the various depth intervals is shown on Plates 9a through 9g. A three-dimensional representation of the distribution of TCE in soil vapor and groundwater is shown on Figure 1. A plot of TCE concentrations with depth for locations with soil-vapor monitoring wells below depths of 50 feet is shown on Plate 15a. In general, TCE concentrations in soil vapor are below 100 μg/l in the upper 50 feet of the vadose zone except near southern PL-5, where TCE concentrations were 190 μg/l in SVMW-30 at a depth of 5 feet. TCE concentrations decrease to less than 1 μg/l at a depth of 50 feet. These decreasing concentrations with depth indicate a downward vapor-phase concentration gradient in the vadose zone.

TCE concentrations greater than 100 μg/l were observed at depths greater than 50 feet in the northeast area near the 210 Freeway and near Building 118. TCE concentrations in this area generally increase with depth, reaching a maximum concentration of 730 μg/l directly above the water table at IDVMW-02. TCE concentrations also increase slightly with depth in the south-central portion of the site near MW-04 (Plate 15a). These increasing concentrations with depth indicate an upward vapor-phase concentration gradient in the vadose zone.

4.4.2 Tetrachloroethene

The distribution of PCE in soil vapor at various depth intervals is shown on Plates 10a through 10g. A three-dimensional representation of the distribution of PCE in soil vapor and groundwater is shown on Figure 2. A plot of PCE concentrations with depth for locations with soil-vapor monitoring wells below depths of 50 feet is shown on Plate 15b. PCE concentrations in soil vapor were not observed at concentrations above 100 μg/l in the upper 150 feet of the vadose zone. PCE concentrations were detected above 100 μg/l at depths greater than 150 feet near the 210 Freeway in IDVMW-01 and

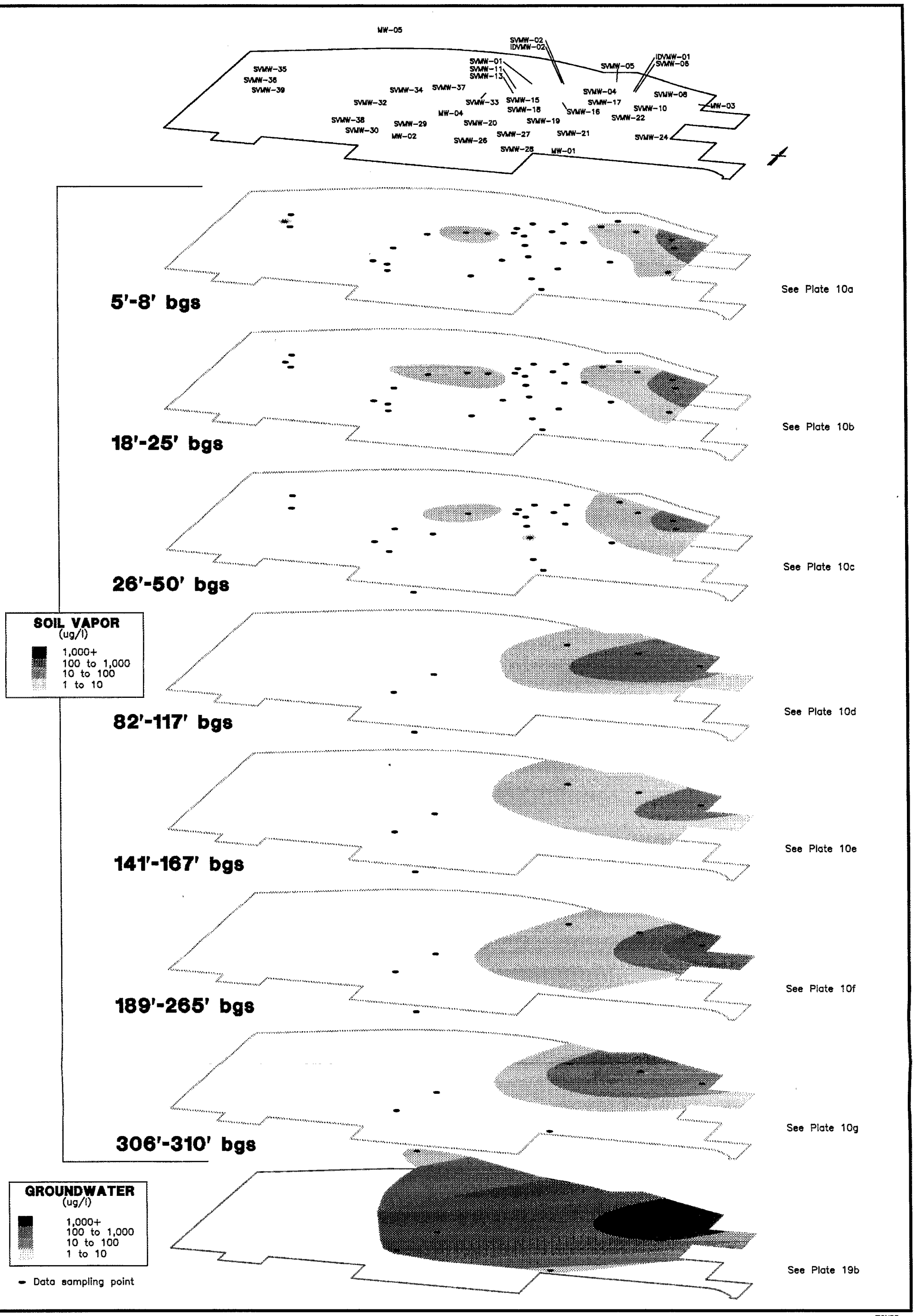


Harding Lawson Associates
Engineering and
Environmental Services

GENERALIZED SPATIAL DISTRIBUTION OF TCE
IN SOIL VAPOR AND GROUNDWATER
MONITORING WELLS
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

FIGURE
1

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522-15.6	TEL	8/94		



Harding Lawson Associates
Engineering and
Environmental Services

GENERALIZED SPATIAL DISTRIBUTION OF PCE
IN SOIL VAPOR AND GROUNDWATER
MONITORING WELLS
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

FIGURE
2

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522-15.6	TEL	8/94		

IDVMW-02. Similar to the TCE results, the maximum soil-vapor PCE concentration (260 $\mu g/l$) was observed directly above the water table in IDVMW-01, indicating an upward concentration gradient.

4.4.3 1,1,1-Trichloroethane

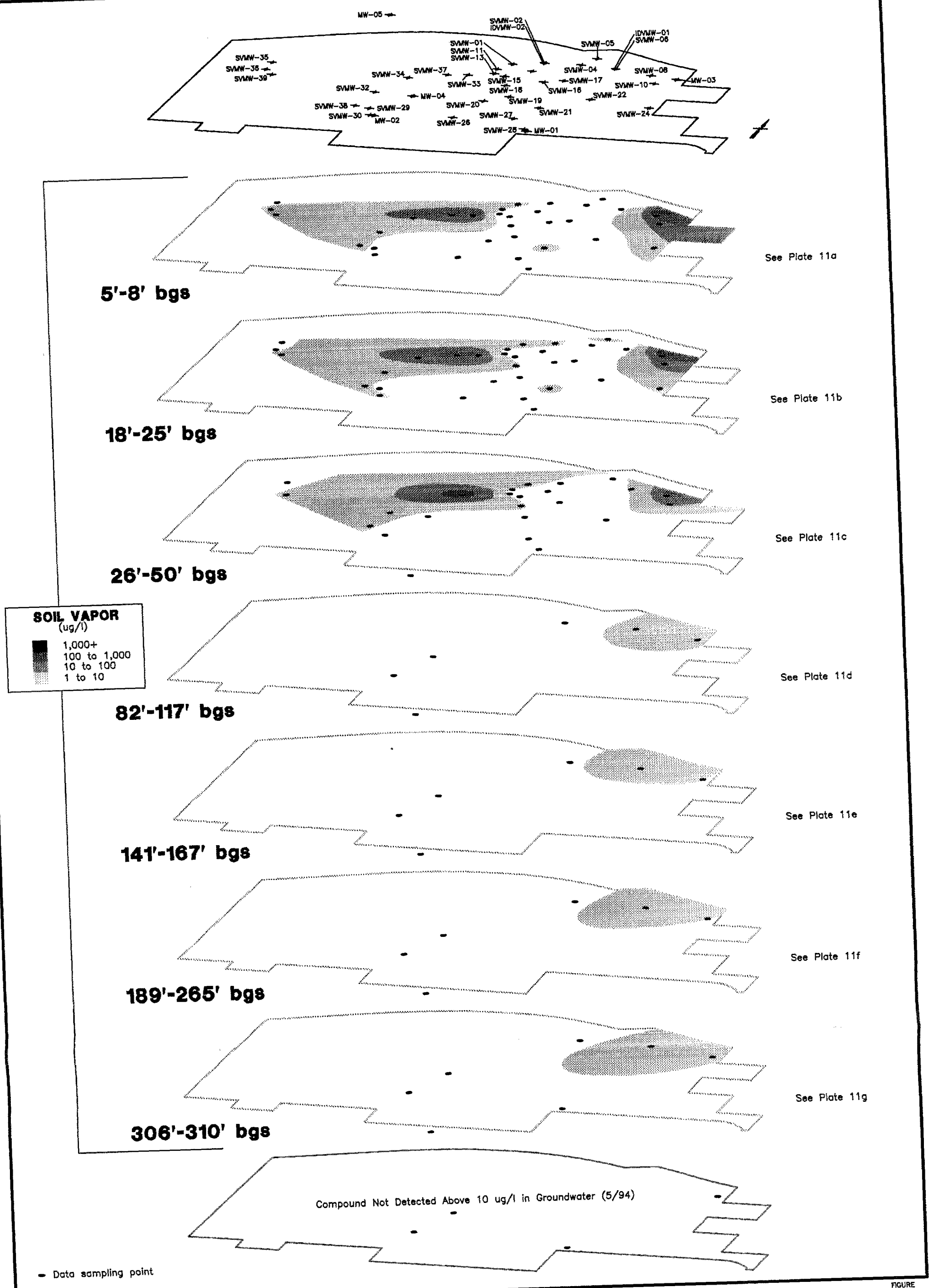
The distribution of 1,1,1-TCA in soil vapor at various depth intervals is shown on Plates 11a through 11g. A three-dimensional representation of the distribution of 1,1,1-TCA in soil-vapor and groundwater is shown on Figure 3. A plot of concentrations of 1,1,1-TCA with depth for locations with soil-vapor monitoring wells below depths of 50 feet is shown on Plate 15c. Concentrations of 1,1,1-TCA greater than 100 $\mu g/l$ were observed in the upper 50 feet of the vadose zone in two areas: (1) in the northeast part of AISA near the 210 Freeway and (2) in the central portion of the site on the ORC property. Concentrations of 1,1,1-TCA greater than 5 $\mu g/l$ were not observed below 50 feet (Plate 15c), indicating a downward concentration gradient.

4.4.4 Carbon Tetrachloride

The distribution of CCl_4 in soil vapor at various depth intervals is shown on Plates 12a through 12g. A three-dimensional representation of the distribution of CCl_4 in soil vapor and groundwater is shown on Figure 4. A plot of CCl_4 concentrations with depth for locations with soil-vapor monitoring wells below depths of 50 feet is shown on Plate 15d. All CCl_4 concentrations in soil vapor were below 50 $\mu g/l$ at the AISA. Concentrations were generally highest at depths greater than 50 feet in the northeastern part of the site near the 210 Freeway. CCl_4 concentrations in this area reached a maximum of 32 $\mu g/l$ in IDVMW-02 at a depth of 110 feet (Plate 15d). Concentrations decreased below a depth of approximately 200 feet and then increased to greater than 20 $\mu g/l$ directly above the water table, indicating an upward concentration gradient.

4.4.5 Trichlorofluoromethane

The distribution of CFC-11 in soil vapor at various depth intervals is shown on Plates 13a through 13g. A three-dimensional representation of the distribution of CFC-11 in soil vapor and groundwater is shown on Figure 5. A plot of CFC-11 concentrations with depth for locations with soil-vapor monitoring wells below depths of 50 feet is shown on Plate 15e. The distribution of CFC-11 in soil vapor in the vadose zone at the AISA was similar to the distribution of CCl_4. In general, concentrations increase slightly with depth, indicating an upward concentration gradient.

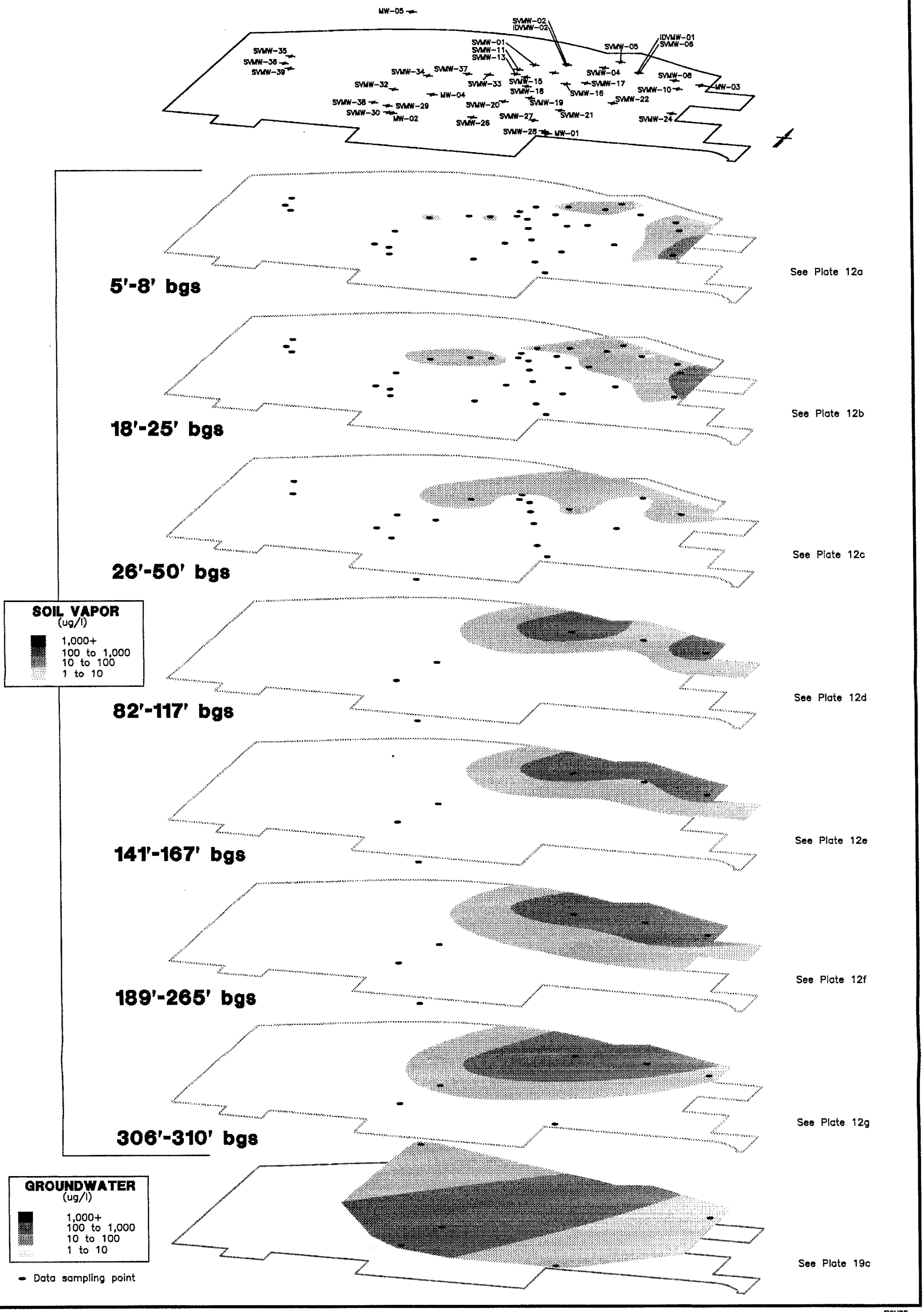


Harding Lawson Associates
Engineering and
Environmental Services

GENERALIZED SPATIAL DISTRIBUTION OF 1,1,1-TCA
IN SOIL VAPOR AND GROUNDWATER
MONITORING WELLS
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

FIGURE
3

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522-15.6	TEL	8/94		

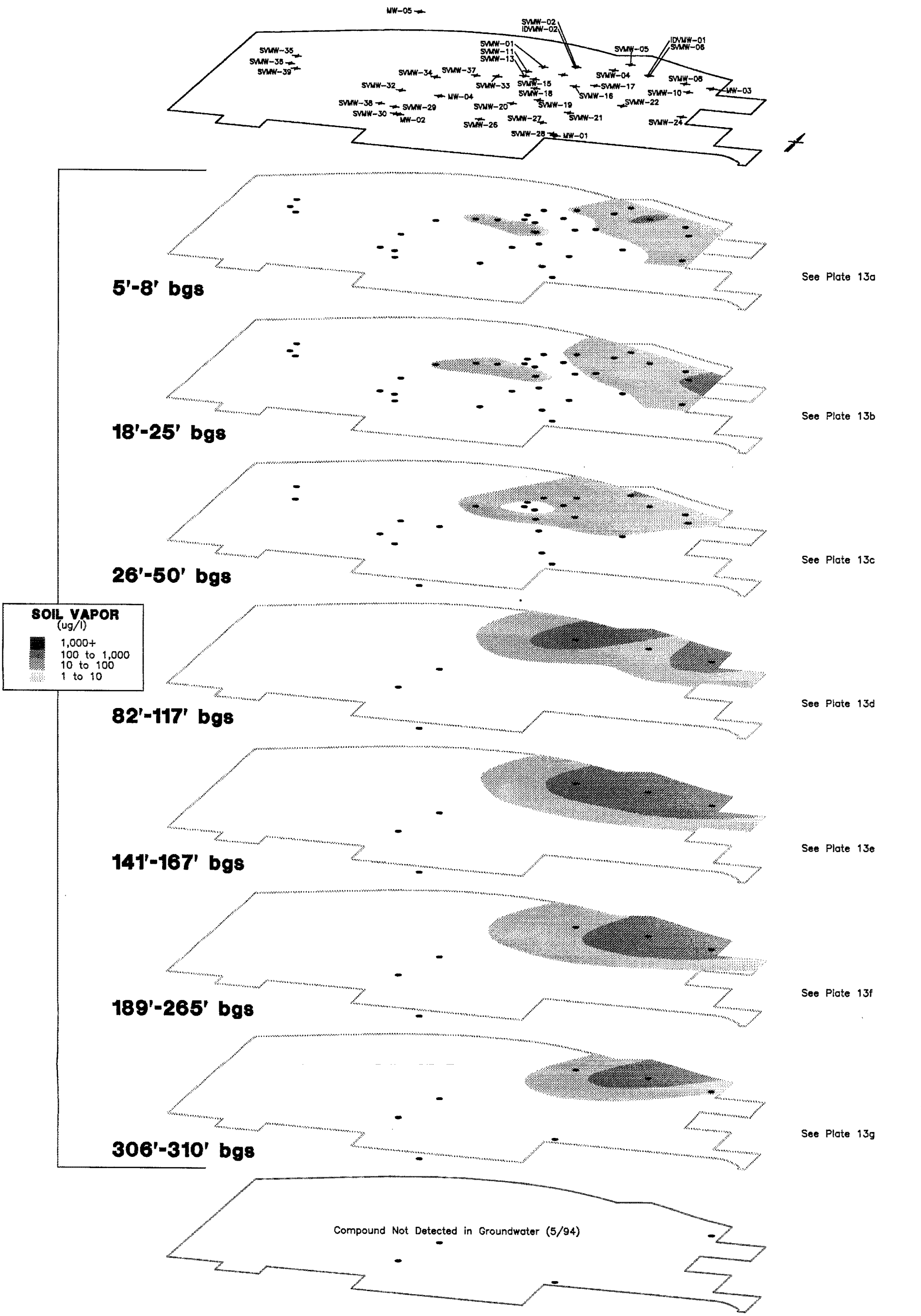


Harding Lawson Associates
Engineering and Environmental Services

GENERALIZED SPATIAL DISTRIBUTION OF CCl4
IN SOIL VAPOR AND GROUNDWATER
MONITORING WELLS
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

FIGURE
4

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522-15.6	TEL	8/94		



Harding Lawson Associates
Engineering and Environmental Services

GENERALIZED SPATIAL DISTRIBUTION OF CFC-11 IN SOIL VAPOR AND GROUNDWATER MONITORING WELLS
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

FIGURE 5

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522-15.6	TEL	8/94		

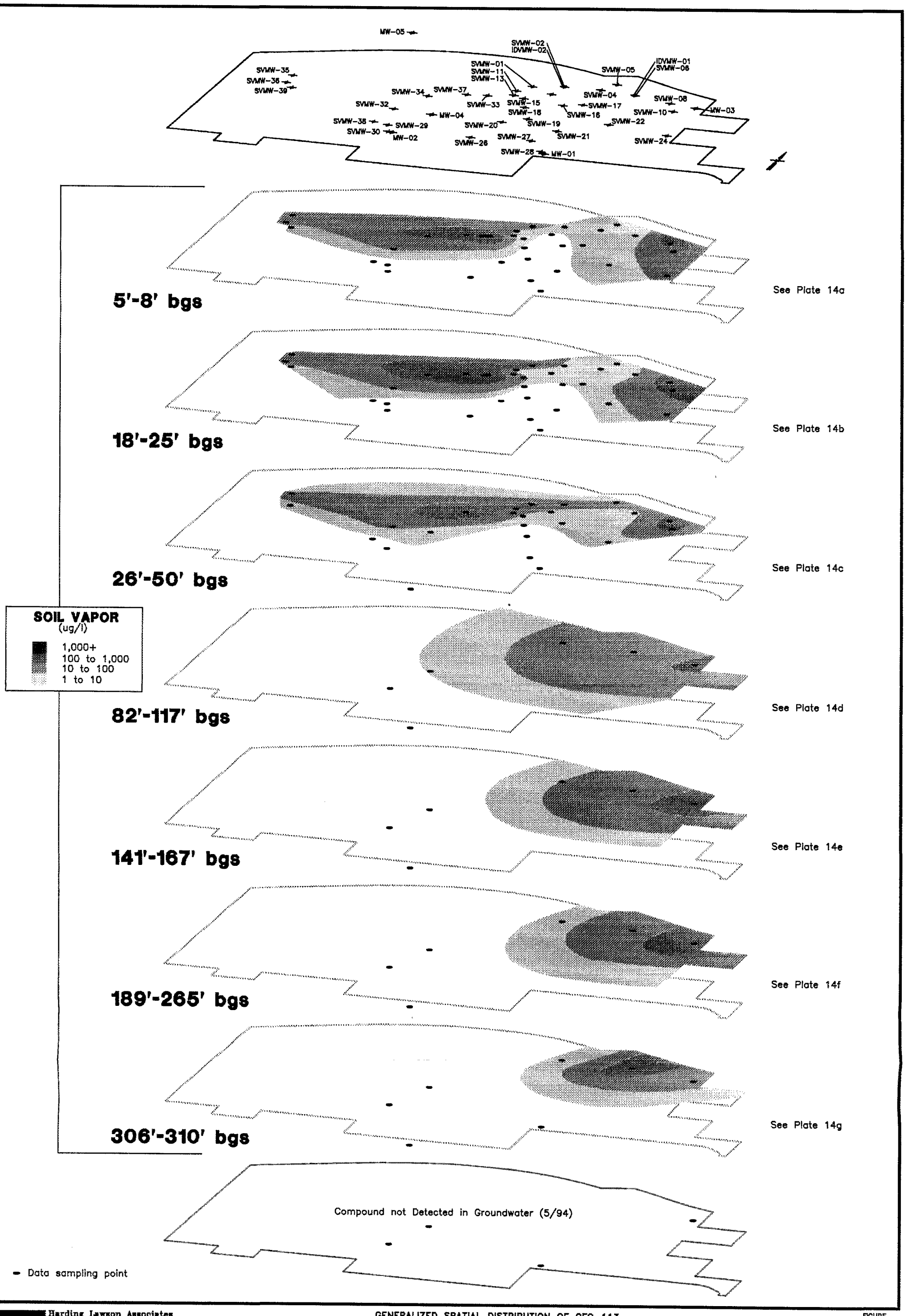
4.4.6 1,1,2-Trichloro-1,2,2-Trifluoroethane

The distribution of CFC-113 in soil vapor at various depth intervals is shown on Plates 14a through 14g. A three-dimensional representation of the distribution of CFC-113 in soil vapor and groundwater is shown on Figure 6. A plot of CFC-113 concentrations with depth for locations with soil-vapor monitoring wells below depths of 50 feet is shown on Plate 15f. CFC-113 concentrations greater than 100 μg/l were observed in the upper 50 feet of the vadose zone in two areas: (1) in the northeast part of AISA near the 210 Freeway where the maximum concentration (<50 feet bgs) was 620 μg/l at SVMW-8 and (2) in the central portion of the site on the ORC property where the maximum concentration was 3,400 μg/l at SVMW-33. No soil-vapor chemistry data are available below a depth of 50 feet on ORC property; therefore, the vertical distribution of these VOCs is uncertain in this area. CFC-113 concentrations greater than 100 μg/l were observed at depths below 50 feet near the 210 Freeway (Plate 15f), reaching a maximum concentration (>50 feet bgs) of 260 μg/l at a depth of 193 feet in IDVMW-01. CFC-113 concentrations generally decreased with depth in this area, indicating a downward concentration gradient.

4.5 Evaluation of Vadose Zone Chemical Results Relative to Potential Source Areas

This section evaluates the results of soil-matrix, soil-gas, and soil-vapor samples collected in the upper 50 feet of the vadose zone relative to the 98 potential source areas defined by the EPA and described in the RWP and Section 2.0 of this report. As discussed above, the concentrations and spatial distribution of inorganic constituents in soil-matrix samples indicated background conditions at the AISA; hence, the six indicator VOCs were evaluated to assess if releases of organic constituents may have occurred at the potential source areas.

Based on soil-vapor data, only three areas appear to be significant relative to VOC fate and transport in the vadose zone at the AISA: (1) the area near Building 57 and the 210 Freeway and (2) the area in center of the site on ORC property, and (3) the area at the eastern portion of Quadrant III (southern PL-5). Because soil-gas survey data were used as a screening tool for the selection of shallow vapor monitoring well locations, only areas with shallow vapor monitoring wells indicating concentrations greater than 100 μg/l are considered to be significant. The remaining areas generally consist of very localized concentrations of VOCs with limited lateral and vertical extent.



Harding Lawson Associates
Engineering and
Environmental Services

GENERALIZED SPATIAL DISTRIBUTION OF CFC-113
IN SOIL VAPOR AND GROUNDWATER
MONITORING WELLS
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

FIGURE
6

DRAWN	PROJECT-TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522-15.6	TEL	8/94		

4.6 Baldwin Park Hydrogeology and Groundwater Flow Modeling

A detailed evaluation of the hydrogeology and groundwater flow modeling for a 50-square-mile area in the Baldwin Park area of San Gabriel Valley was performed by HLA and David Keith Todd Consulting Engineers, Inc., on behalf Aerojet and Azusa Land Reclamation Company. This evaluation was performed to recommend modifications to EPA's Proposed Plan for groundwater remediation in the Baldwin Park OU in San Gabriel Valley and was submitted to EPA in August 1993 (Appendix H). This evaluation consisted of the following:

- A detailed evaluation of data from more than 175 production and monitoring wells located in the Baldwin Park area including well locations, well construction information, ground surface elevations, water elevation data, inorganic and organic water quality data, and pumping volumes over a 15-year period.

- A compilation of groundwater recharge information including monthly recharge volumes for spreading basins, monthly precipitation data, stream flow data, and volumes of imported water brought into the basin.

- A detailed evaluation of groundwater flow and contaminant distribution through time. Groundwater level contour maps were prepared for selected years from 1966 through 1992. Chemical distribution maps were prepared for selected chemical compounds over various time intervals and compared to pumping and recharge volumes as well as groundwater level contour maps.

- The development of a three-dimensional groundwater flow model to characterize the complex effects of pumping and recharge conditions in the Baldwin Park area and to provide a predictive tool to evaluate the performance to groundwater remediation alternatives.

The results of this evaluation of the hydrogeology of the Baldwin Park area are summarized as follows:

- The groundwater aquifer in the San Gabriel Basin consists of unconsolidated to semiconsolidated alluvial sediments deposited during the uplift of the San Gabriel Mountains to the north. The California Department of Water Resources has estimated sediment thicknesses to be less than 100 feet at the northern perimeter of the basin to over 2,000 feet in the southwest portion of the 50-square mile study area (CDWR, 1966). The absence of fine-grained, laterally continuous layers in

the upper 500 feet of the aquifer in the Baldwin Park area indicates that these deposits can be viewed as a single aquifer system (EPA, 1992).

- Groundwater elevations in the study area average approximately 250 feet above mean sea level, but can fluctuate significantly with seasonal and annual variations in precipitation and recharge. Groundwater level elevations in the study area are documented by the systematic monitoring of water levels in the Baldwin Park Key Well, located approximately 3 miles south of the AISA. In general, water levels have declined during drought cycles and have rebounded abruptly during years of high precipitation and recharge. These abrupt water level rises during relatively wet years can cause water levels changes of over 60 feet within several months.

- The water level fluctuations described above are predominantly the result of focused recharge at the Santa Fe Reservoir Spreading Grounds (SFRSG) located approximately 1 mile west of the AISA. The SFRSG consists of unlined basins into which water is diverted from the San Gabriel River and allowed to infiltrate into the groundwater system. Water diverted in the basins originates upstream as local runoff, releases from Morris Dam (1 mile north of the study area), or imported water from a Metropolitan Water District outlet near Morris Dam. A groundwater mound forms at the SFRSG during recharge periods, increasing water levels and changing local groundwater flow directions and gradients. At the AISA, flow direction shifts to the south, locally overwhelming the west to southwesterly regional flow direction. During the summer months when groundwater recharge spreading at SFRSG has ceased, the groundwater mound dissipates and regional westerly to southwesterly flow direction again dominates the area.

- Groundwater modeling of the Baldwin Park study area indicates that groundwater recharge and pumping conditions directly impact groundwater flow and contaminant transport. Detailed model calibration over a 14-year period indicated that the model accurately predicted groundwater level fluctuations and localized changes in the groundwater flow regime associated with transient recharge and pumping conditions.

4.7 AISA Hydrogeology

The aquifer underlying the AISA is composed predominantly of poorly sorted sand, gravel, and boulders (some over 2 feet in diameter). Boreholes for AISA monitoring wells, which penetrated a maximum depth of 367 feet bgs, did not encounter distinct lithologic units that could be correlated between boreholes. No correlatable layers of fine-grained silts or clays were encountered that could retard the

flow of groundwater. Because of the lack of fine-grained aquitard materials in the saturated zone, the aquifer at the AISA is unconfined.

Saturated conditions representing the water table surface are generally encountered at depths ranging from 265 to 310 feet bgs. Groundwater depths and elevations measured in the five monitoring wells at the AISA are shown in Table 16, and well hydrographs are shown on Plate 16. Since the first groundwater monitoring wells were installed in September 1992, water-level elevations (measured monthly) have fluctuated by as much as 40 feet. Water-level elevations reached a maximum of approximately 290 feet above mean sea level in mid-1993 and have declined approximately 30 feet since that time (Plate 16). These fluctuations in groundwater levels are attributed to groundwater recharge and mounding from seasonal infiltration of precipitation, groundwater recharge at the Santa Fe Reservoir SFRSG (located approximately 1.0 mile west of the AISA), and declines resulting from groundwater pumping for water supply purposes in the San Gabriel Basin.

The direction and magnitude of groundwater flow direction and gradient estimated at the AISA are shown on Plate 17. Calculated flow directions indicate that the direction of groundwater flow was generally to the east during periods when groundwater levels were increasing (March through May 1993). In addition, the magnitude of the hydraulic gradients increases presumably in relation to increased groundwater recharge at the SFRSG. The direction of groundwater flow at the AISA has been predominantly to the west from January 1994 through the present, a period of declining water levels. This change in the direction of flow may be related to decline of the groundwater mound beneath the SFRSG and local groundwater pumping west of the AISA. Regional groundwater flow directions in the Baldwin Park OU, as reported by the EPA, are generally from the northeast to the southwest. This southwesterly direction of groundwater flow is generally consistent with the direction observed at the AISA in November 1993 (Plate 17). In addition, a southern component of groundwater flow has been observed immediately northwest of the AISA (MW-5) from May through July 1994. This component is illustrated on the water-level elevation contour map for July 1994 (Plate 18).

4.8 Groundwater Sample Results

The analytical results of groundwater sampling of the five monitoring wells at AISA are presented in Tables 17 through 20. The distribution of TCE, PCE, and CCl_4 concentrations in groundwater in May 1994 are shown on Plates 19a, 19b, and 19c, respectively. CFC-11 and CFC-113 have not been consistently detected in groundwater above the PQL and 1,1,1-TCA was detected only in MW-3; therefore, the distribution of these VOCs in groundwater has not been contoured.

In addition to the above-referenced VOCs, 1,2-DCA, 1,1-dichloroethene (1,1-DCE), and cis-1,2-DCE have also been consistently detected in groundwater samples at the AISA. Graphs of concentration versus time for TCE, PCE, 1,1,1-TCA, CCl_4, 1,2-DCA, 1,1-DCE, and cis-1,2-DCE are shown on Plates 20a through 20g. These seven VOCs were the most consistently detected VOCs detected in groundwater at the AISA.

In general, time-concentration graphs for most of these VOCs indicate decreasing groundwater concentrations in the upgradient monitoring well (MW-3) near the 210 Freeway and increasing concentrations in downgradient monitoring wells (MW-2 and MW-4). Groundwater samples from Wells MW-1 and MW-5 generally have not contained VOC concentrations since the wells were installed in September 1992 and July 1994, respectively. Specifically, groundwater concentrations of TCE, PCE, 1,1,1-TCA, and CCl_4 have generally decreased in MW-3 since mid-1993 (Plates 20a through 20d). Conversely, downgradient groundwater concentrations of TCE, PCE, and CCl_4 have generally increased in MW-3 and MW-4 since May 1993.

Decreases in upgradient concentration and increases in downgradient concentrations may be explained by a pulse of high-concentration groundwater moving downgradient across the AISA. However, extreme fluctuations in groundwater levels and direction of groundwater flow are indicative of the transient conditions of the groundwater flow and chemical transport system. Influences such as local groundwater recharge and pumping are most probably introducing and/or removing large quantities of groundwater to the aquifer, thus affecting the spatial and temporal trends in groundwater chemistry.

5.0 EVALUATION OF VADOSE ZONE TRANSPORT PROCESSES

This section describes the processes that affect the fate and transport of chemicals at the AISA, evaluates AISA site assessment data to establish which processes are controlling chemical migration, describes the conceptual model for subsurface VOC fate and transport, and tests this conceptual model through the use of analytical and numerical models of vadose zone transport. The objectives of this evaluation are to:

- Determine the possible source(s) of VOCs detected in the vadose zone at the AISA,
- Determine which transport processes are controlling chemical migration,
- Develop and verify a conceptual model that explains the distribution of chemicals, and
- Determine whether VOCs detected in soil vapor are adversely affecting groundwater quality in the aquifer underlying the AISA.

5.1 Literature Search and Review of VOC Fate and Transport Processes

A literature search and review were performed to evaluate current theories and quantitative models related to subsurface VOC transport processes. A variety of online library databases were searched for titles and descriptors containing the keywords "vapor-phase transport," "volatilization," "offgassing," "groundwater," "organic contaminants," and "vadose zone models." Hundreds of references associated with these keywords were identified; however, only 19 of these citations appeared to pertain to vapor-phase VOC sources, transport, and phase partitioning. This literature, listed in Section 8.0 (References), was reviewed and evaluated and is summarized below.

Current subsurface chemical vapor-phase transport and phase transfer theory suggests that concentration-driven vapor diffusion is the predominant process affecting subsurface VOC vapor transport. A number of publications (including Charbeneau and Weaver, 1992; Cohen et al., 1990; Culver et al., 1991; Falta et al., 1989; Gierke et al., 1992; Gierke et al., 1990; Jury et al., 1990; Mendoza and Frind, 1990a and 1990b; Ong et al., 1992; Swallow and Gschwerd, 1983; Thorstenson and Pollock, 1989; and Zaidel and Russo, 1993) document theoretical and empirical studies that indicate VOC vapors in the vadose zone diffuse away from vadose or saturated zone sources as a function of vapor-phase concentration gradients. Falta et al., 1989; Massman and Farrier, 1992; and Mendoza and Frind, 1990a and 1990b, discuss subsurface

advection of dense vapor clouds as a possible transport process; however, vapor advection appears to be a significant transport process only for cases where vapor concentrations and corresponding densities are relatively high (significantly higher than the concentrations observed at the AISA). Offgassing of VOC vapors from groundwater plumes was evaluated and reported to be a significant transport process by Kuhlmeier, 1986; and Swallow and Gscchwerd, 1983. Information presented in Baehr and Hult, 1991; Jury, 1986; Weeks et al., 1982; and Wood et al., 1993 was also reviewed to evaluate VOC fate and transport at the AISA.

5.2 Subsurface VOC Fate and Transport Processes

A number of mechanisms and processes control the fate and transport of VOCs in the subsurface. These processes result in a complex multiphase flow and transport system. A schematic drawing of the major mass transport and interphase transfer mechanisms and pathways in the vadose zone is shown on Plate 21. These major processes are as follows:

- Concentration-Driven Gas Diffusion - Concentration-driven gas diffusion occurs as the result of concentration gradients in the vadose zone. VOCs can be transported rapidly by gas diffusion from areas of higher concentration to areas of lower concentration. The movement of chemical mass via gas diffusion is greatest when large differences in gas concentration exist. As concentrations reach equilibrium and concentration gradients decrease, gas diffusion slows.

- Vapor (Gas-Phase) Advection - Gas-phase advection in the vadose zone occurs via vapor pressure and temperature gradients resulting from vapor density differences, barometric pressure changes, and vadose zone pumping caused by changes in the water table.

- Water (Liquid-Phase) Advection - Liquid-phase advection of porewater in the vadose zone occurs via capillary pressure (i.e., matric potential) gradients. The downward advective movement of water often occurs as the result of infiltrating precipitation that creates downward matric potential gradients. During dry weather periods, these matric potential gradients are often reversed by evaporation and plant transpiration, resulting in the upward advective movement of vadose zone porewater.

- Chemical Partitioning - In the vadose zone, air-water, water-solid, and to a lesser extent air-solid partitioning of VOCs occurs within soil pores (Plate 21). At the water table, either volatilization from the water phase (i.e., offgassing) to vadose zone gases or dissolution from the vapor phase

into groundwater can occur, depending on the air-water partitioning coefficient and the VOC concentrations in each phase relative to the equilibrium concentrations.

As a result of the above processes, vadose zone advection and dispersion/diffusion results in transport of vapor, water, and nonaqueous-phase liquid (NAPL) phases. Once in the saturated zone, advection, dispersion, and dilution further affect VOC fate and transport. Migration of VOCs via each of these transport mechanisms is dependent on the spatial and phase distributions of VOCs in the vadose and saturated zones and the relative states of equilibrium between the phases.

5.3 Evaluation of Vadose Zone VOC Concentration Gradients

In support of the development of a conceptual model of subsurface VOC fate and transport, VOC concentration gradients were evaluated. The vertical distributions of VOCs in the vadose zone were plotted and evaluated in an attempt to determine if the measured vapor concentrations indicate the location, depth, and phase of the probable source(s). Because vapor-phase diffusion in the vadose zone occurs as a result of molecular forces that tend to drive chemical molecules from areas of higher to lower concentration, observation of trends in vapor-phase concentrations can reveal the source(s) of the chemicals.

The distribution of VOCs in vadose zone vapor was evaluated using the analytical results from the nested shallow, intermediate, and deep zone vapor monitoring wells. Six intermediate and deep zone vapor monitoring well clusters are currently installed at the AISA: DVMW-02 through DVMW-05 and SVMW-06/IDVMW-01 and SVMW-02/IDVMW-02 (Plate 2). These well clusters provide continuous vadose zone vapor chemistry profiles and allow evaluation of vertical vapor concentration gradients from near surface to the water table.

As shown on profiles of vapor concentration versus depth for TCE, PCE, CCl_4, and CFC-11 (Figures 15a, 15b, 15d, and 15e, respectively) vapor-phase concentrations increase with depth, indicating upward vapor concentration gradients. In almost all cases, the highest vapor-phase VOC concentrations were measured in the deepest vapor monitoring well. Conversely, vapor-phase concentrations of these VOCs were not observed at concentrations greater than 100 $\mu g/l$ in the upper 50 feet of the vadose zone.

Profiles of vapor concentration versus depth for 1,1,1-TCA and CFC-113 (Figures 15c and 15f) indicate generally decreasing concentrations with depth, representing downward concentration gradients.

5.4 Evaluation of Chemical Mass Transfer at the Water Table Interface

An evaluation of VOC mass transfer at the water table interface was conducted by comparing measured vapor-phase VOC concentrations in the deepest vapor monitoring points (well sounding tubes) and adjacent groundwater concentrations with theoretical equilibrium vapor concentrations, based on Henry's Law.

The relationship between vapor-phase concentrations and groundwater concentrations in a closed system at equilibrium is given by Henry's Law:

$$C_v = K_H \times C_w$$

where:

C_v	=	vapor phase concentration
K_H	=	Henry's Law constant
C_w	=	water phase concentration

The applicability of Henry's Law to soil-groundwater systems has been confirmed for a variety of VOCs and vadose zone environments (Jury, 1986).

Soil-vapor and groundwater concentrations for TCE, PCE, and CCl_4 from adjacent sampling points at the water table interface were compared as shown in Table 21. These concentrations were measured during February and May/June 1994 and were compared at MW-02, MW-03, and MW-04. As described in Section 3.0 and detailed in Appendix A of this report, the deepest vadose zone soil-vapor monitoring data were obtained by collecting headspace samples in the sounding tubes directly above the water table. Soil-vapor and groundwater data from MW-01 and MW-05 were not included because VOCs were not detected in samples collected from these wells. Table 21 also includes published Henry's Law constants and theoretical equilibrium vapor concentrations associated with the measured groundwater concentrations. These data are also presented graphically on Plate 22. As shown in Table 21 and on Plate 22, in all cases, the measured soil-vapor concentrations are much lower than the theoretical equilibrium vapor concentration associated with the measured groundwater concentrations. In fact, the measured vapor-phase concentrations are only a small percentage of the theoretical equilibrium vapor concentrations associated with the groundwater. These data suggest that the concentration gradient

between groundwater and soil overlying soil vapor is upward, and VOCs in groundwater are offgassing to soil vapor.

5.5 Evaluation of Possible VOC Sources

In support of the development of a conceptual model of subsurface VOC fate and transport, possible sources of VOCs in the vadose zone were evaluated in relation to the spatial distribution of VOCs and concentration trends. This section discusses potential VOC sources at the AISA based on site assessment data.

5.5.1 Possible Shallow Sources of 1,1,1-TCA, CFC-113, and TCE

As described in Section 4.0, soil-gas and soil-vapor chemistry data indicated relatively low VOC concentrations (less than 100 μg/l) in the upper 50 feet of the vadose zone with the exception of 1,1,1-TCA and CFC-113 in two areas and TCE in a third area.

The first area, located in the central portion of the AISA on ORC property, contains 1,1,1-TCA concentrations as high as 650 μg/l and CFC-113 concentrations as high as 3,400 μg/l in the upper 50 feet of the vadose zone. Concentrations decrease laterally away from this area to less than 1 μg/l. Consequently, this area appears to be a possible source of shallow 1,1,1-TCA and CFC-113 contamination in soil gas and soil vapor.

The second area, near the 210 Freeway, also contains 1,1,1-TCA and CFC-113 concentrations greater than 100 μg/l in the upper 50 feet of the vadose zone. Concentrations are highest in the upper 50 feet of the vadose zone in this area with concentrations generally decreasing with depth below 50 feet.

The third area, near eastern portion of Quadrant III within southern PL-5, contains TCE concentrations as high as 190 μg/l in the upper 50 feet of the vadose zone. TCE concentrations in soil-vapor samples decrease to less than 1 μg/l at a depth of 50 feet bgs. TCE concentrations in shallow soil gas decline rapidly to less than 10 μg/l within a radius of approximately 100 feet of southern PL-5.

5.5.2 Mass Transfer of TCE, PCE, CCl_4, and CFC-11 from Groundwater to Soil Vapor

As described in Section 5.4, the mass transfer pathway for TCE, PCE, CCl_4, and CFC-11 is from groundwater to the vadose zone. Consequently, a significant potential source of VOCs in the vadose zone at the AISA is offgassing from groundwater. This is supported by the following:

- No significant shallow vadose zone sources of TCE, PCE, CCl_4, and CFC-11 exist at the AISA (with the exception of TCE at southern PL-5 as described in Section 5.5.1),
- The highest soil-vapor concentrations of TCE, PCE, CCl_4, and CFC-11 (i.e., MW-3, IDVMW-01, and IDVMW-02) are generally observed at depth in areas of highest groundwater concentrations,
- Soil-vapor concentrations increase with depth, indicating upward movement of these VOCs upward concentration gradient,
- VOCs in soil vapor are generally not detected in areas where VOCs are not detected in groundwater (i.e., MW-5), and
- A review of data on file with the RWQCB indicates that significant VOC concentrations have been observed in groundwater directly north of the 210 Freeway. These groundwater concentrations are significantly higher than groundwater concentrations observed beneath the AISA. This suggests that the highest groundwater concentrations at the AISA are on the upgradient portion of the site near the 210 Freeway. This is supported by groundwater quality data from MW-3, which historically has shown the highest concentrations of TCE and PCE at the AISA.

Although CFC-11 was not detected in groundwater samples collected from the AISA at a PQL of 5.0 $\mu g/l$, CFC-11 may be present in groundwater at concentrations below 5 $\mu g/l$ that are sufficient for mass transfer from groundwater to soil vapor as supported by vadose zone modeling discussed in Section 5.7.

5.5.3 Concentration-Driven Gas Diffusion from North of the 210 Freeway

Another potential source of VOCs in the vadose zone near the 210 Freeway is lateral vapor transport of VOCs in the vadose zone via concentration-driven gas diffusion from potential vadose-zone sources north of the 210 Freeway. This is supported by the following:

- A review of data on file with the RWQCB indicates that soil-vapor concentrations north of the 210 Freeway are greater than observed at the AISA. As a result, a concentration gradient exists from north to south of the 210 Freeway, which could result in the migration of VOCs in soil vapor onto the AISA.

- The spatial distribution of VOCs in the area near the 210 Freeway indicates elevated VOC concentrations adjacent to the 210 Freeway at depths below 50 feet. In some instances, soil-vapor concentrations are greatest at intermediate depths in the vadose zone. This indicates concentration gradients both upward (offgassing from groundwater) and downward (concentration gradient-driven, 1,1,1-TCA, and CFC-113) and suggests a source of high concentration soil vapors migrating onto the AISA at intermediate depths. A 30-foot-deep topographic depression (the 210 Freeway) is located immediately north of the AISA and is occupied by ambient air. This depression prohibits lateral vapor-phase migration on the shallow vadose zone between the AISA and sites north of the AISA. The spatial distribution of VOCs in soil vapor immediately below 30 feet bgs supports that lateral concentration driven gas diffusion has contributed to VOCs in the intermediate zone at the AISA.

5.6 Conceptual Model of Subsurface VOC Fate and Transport

This section describes the conceptual model of subsurface VOC fate and transport for the AISA. This conceptual model was developed on the basis of the evaluation of site assessment data and a detailed review of literature on vadose zone chemical fate and transport.

The conceptual model of subsurface VOC fate and transport at the AISA is based on five primary transport pathways as follows:

- Downward concentration-driven gas diffusion from possible shallow sources,

- Groundwater transport of VOCs onto the AISA from upgradient sources,

- VOC offgassing from groundwater,

- Upward concentration-driven gas diffusion, and

- Lateral concentration-driven gas diffusion from areas of higher vapor concentration to areas of lower concentration.

These five primary transport pathways are illustrated on Figure 7. As discussed in Section 5.5.1, two possible shallow 1,1,1-TCA and CFC-113 source areas and one possible shallow TCE source area were observed at the AISA. 1,1,1-TCA and CFC-113 were observed at maximum concentrations of 650 and 3,400 $\mu g/l$, respectively, and TCE was observed at a maximum concentration of 190 $\mu g/l$ in these areas. The presence of these elevated concentrations provides a driving force for the diffusion of 1,1,1-TCA, CFC-113, and TCE laterally and downward. Groundwater transport of TCE, PCE, CCl_4, from upgradient sources has resulted in significant VOC concentrations in groundwater at the AISA. Although CFC-11 has not been consistently detected in groundwater at a PQL of 5 $\mu g/l$, CFC-11 may be present in groundwater below the PQL. These groundwater concentrations act as a significant source of VOCs that are offgassing to the vadose zone. The resultant VOCs in soil vapor provide a driving force for upward and lateral concentration-driven gas diffusion to areas of lower concentration. The VOC chemical transport processes utilized in the AISA conceptual model are supported by observed concentration trends and gradients and are well documented in the scientific literature discussed in Section 5.1. For example, theoretical analyses and experimental laboratory and field studies have confirmed that a singular groundwater source will result in upward vapor-phase concentration gradients, similar to those observed at the AISA (Swallow and Gschwend, 1983).

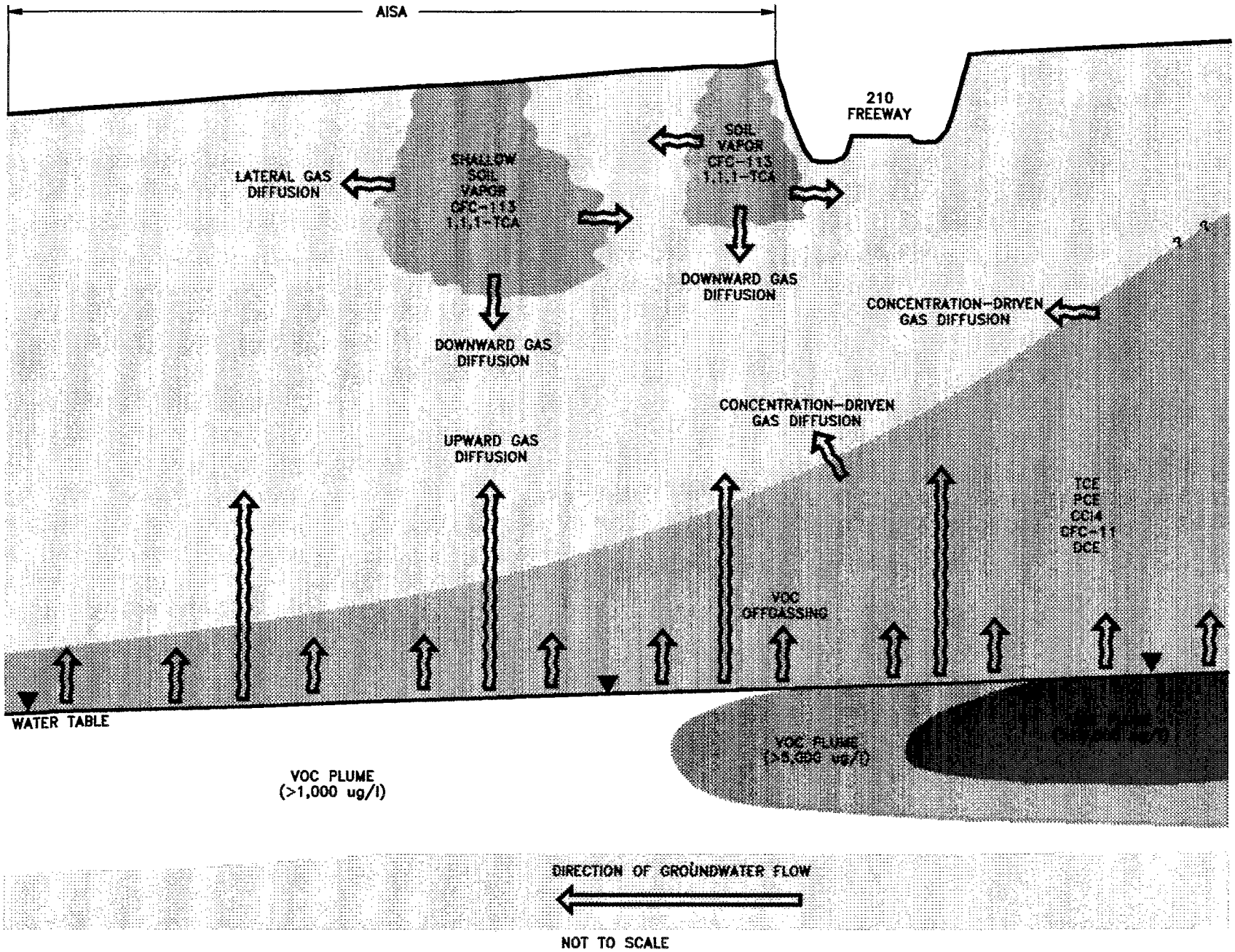
5.7 Verification of Conceptual Model of VOC Fate and Transport

This section presents the application of a theoretical model to verify two of the major transport pathways in the conceptual model of vadose zone VOC fate and transport. These major transport pathways are offgassing from groundwater and concentration-driven gas diffusion. To verify the role these pathways play in VOC fate and transport, a theoretical model was applied to AISA conditions as described below.

A theoretical model of VOC fate and transport in soil-matrix, soil-vapor, and soil-water phases was developed to simulate VOC offgassing from groundwater. Simulations were performed for those VOCs where the potential mass transfer is from groundwater to the vadose zone as described in Section 5.4. The objective of these simulations was to assess whether the observed soil-vapor concentrations could have resulted from the offgassing of VOCs from groundwater.

The simulations were performed using the one-dimensional finite-difference vadose zone model, VLEACH (EPA, 1994). VLEACH simulates transport of contaminants within and between three phases

FIGURE 7.
SCHEMATIC DIAGRAM OF PRIMARY SUBSURFACE VOC TRANSPORT PATHWAYS



(solute dissolved in water, vadose air, and adsorbed to the solid phase) in the vadose and saturated zones. The VLEACH model developed for groundwater offgassing simulations consisted of a 30-cell finite difference grid with uniform vertical grid spacing of 10 feet to represent a 300-foot thick vadose zone.

Compound-specific model input parameter values, including Henry's Law constants, organic carbon partition coefficients, and chemical solubilities, were obtained from published values and are presented in Table 22. Air diffusion coefficients for VOC vapors in air can be determined experimentally or through the use of empirical equations and are functions of air temperature and pressure, and to a lesser extent, the chemical's molecular weight. Diffusion coefficients for the halogenated indicator VOCs are similar because of their similar molecular weights (Mendoza and Frind, 1990b; Gierke et al., 1990). As a result, an air diffusion coefficient of 0.86 m^2/day, which is representative of the halogenated VOCs at standard temperature and pressure, was used in all simulations (Weeks et al., 1982). Site-specific input parameter values included TOC content, soil bulk density, and chemical concentration.

Groundwater VOC source concentrations were introduced at a constant concentration at the base of the model to represent the water table surface. Representative groundwater concentrations were selected based on observed groundwater concentrations in 1994. Because CFC-11 was not detected in groundwater at 5 μg/l PQL, but may be present a concentrations slightly lower than 5 μg/l, a CFC-11 concentration of 5 μg/l was introduced at the base of the model. VLEACH model input parameters are presented in Table 22. Model output files of VLEACH simulations for TCE, PCE, CCl_4, and CFC-11 are provided in Appendix I.

The simulated vapor-phase TCE, PCE, CCl_4, and CFC-11 concentrations in the vadose zone resulting from groundwater offgassing and upward concentration-driven gas diffusion are presented on Plates 15a, 15b, 15d, and 15e, respectively. Because the diffusion transport processes are a function of time, the results for three time periods (10, 30, and 50 years after initiation of offgassing and transport) are plotted. Vapor concentrations adjacent to the water table interface quickly approach the equilibrium Henry's Law vapor concentration, while VOC concentrations slowly increase in the middle and upper portions of the vadose zone as a result of concentration-driven gas diffusion.

Comparisons of the simulated vapor-phase VOC concentrations with the vapor-phase VOC concentrations measured in the deep vapor monitoring wells are also shown on Plates 15a, 15b, 15d, and 15e. Comparison of the observed and simulated vapor-phase TCE concentrations (Plate 15a) reveals that the simulated concentration values and gradients generally correspond with the measured soil-vapor

concentrations. For PCE, simulated soil-vapor concentrations in the lower portion of the vadose zone greatly exceed measured soil-vapor concentrations (Plate 15b), suggesting that soil vapor is not in equilibrium with the relatively high groundwater concentrations (5,900 μg/l). Simulated CCl_4 and CFC-11 vapor concentrations generally correspond with observed vapor concentrations (Plates 15d and 15e, respectively). These correlations support the hypothesis that offgassing from a groundwater source alone combined with concentration-driven gas diffusion could have contributed to vapor-phase VOC concentrations observed at the AISA.

5.8 Evaluation of Potential Effects on Groundwater Quality

This section presents an evaluation of the potential effects of VOCs in soil vapor on groundwater quality. This evaluation focuses primarily on those VOCs that have been observed in the three areas of elevated VOC concentrations discussed in Section 5.5.1. The observed vertical concentration gradients for these VOCs (1,1,1-TCA, CFC-113, and TCE) represent a driving force for downward concentration-driven gas diffusion and indicate a potential mass transfer pathway from the vadose zone to groundwater. This section also addresses the potential effects of vapor-phase PCE, CCl_4, and CFC-11 on groundwater quality.

5.8.1 Simulation of Downward Concentration-Driven Gas Diffusion

The VLEACH model was also used to simulate the downward concentration-driven gas diffusion of 1,1,1-TCA, CFC-113, and TCE. These simulations were performed to evaluate potential effects on groundwater quality associated with observed downward concentration gradients of 1,1,1-TCA, CFC-113, and TCE as described in Section 5.6.

The VLEACH model developed for these simulations was similar to the model developed for the VOC offgassing simulations described in Section 5.7. Observed soil-vapor concentrations of 1,1,1-TCA and CFC-113 on ORC property and TCE near southern PL-5 were used to calculate source concentrations in the vadose zone, and no VOCs were assumed to be present in groundwater at the base of the model.

Simulated soil-vapor concentrations for 1,1,1-TCA, CFC-113, and TCE versus depth are presented on Plates 23 through 25, respectively. These simulations indicate that downward diffusion results in low soil-vapor concentrations (less than 1 μg/l for 1,1,1-TCA, less than 10 μg/l for CFC-113, and less than 0.1 μg/l for TCE) at the water table.

Potential impacts of vapor-phase diffusion and partitioning on water quality were evaluated using estimated porewater concentrations at the base of the model. Resultant simulated porewater concentrations at the base of the model were 1.4, 0.4, and 0.2 μg/l for 1,1,1-TCA, CFC-113, and TCE, respectively. These porewater concentrations are well below the lower of the state and federal Maximum Contaminant Levels (MCLs) of 200, 1,300, and 5 μg/l for 1,1,1-TCA, CFC-113, and TCE, respectively.

5.8.2 Potential Effects on Groundwater Quality

Based on the evaluation of site data and theoretical models, it appears that the current source of the TCE, PCE, CCl_4, and CFC-11 detected in vadose zone soil vapor at the AISA is offgassing from groundwater. Measured TCE, PCE, CCl_4, and CFC-11 vapor concentrations in the vadose zone generally increase with depth, suggesting the source of the observed vapor-phase VOCs is the groundwater plume. Comparison of the observed groundwater and overlying vapor-phase concentrations with Henry's Law partitioning calculations indicates that the current mass transfer pathway at the water table is from groundwater to the vadose zone vapor. VLEACH model results also confirm that the observed vadose zone vapor profiles could have resulted from groundwater plume offgassing. Accordingly, TCE, PCE, CCl_4, and CFC-11 concentrations in the vadose zone vapors at the AISA are not degrading water quality. Instead, groundwater offgassing appears to be degrading the vadose zone.

The presence of 1,1,1-TCA and CFC-113 in shallow soil gas/soil vapor (less than 50 feet), combined with decreasing concentrations with depth, indicates the presence of a residual vadose zone source of these VOCs. Consequently, concentration gradients are downward toward the water table, resulting in a mass transfer pathway from the vadose zone to groundwater. However, VLEACH model results indicate that the mass transfer of 1,1,1-TCA and CFC-113 from the shallow vadose zone to groundwater does not adversely affect groundwater quality relative to state and federal MCLs. Resultant simulated porewater concentrations of 1.4, 0.4, and 0.2 for 1,1,1-TCA, CFC-113, and TCE, respectively, are approximately 15, 325, and 25 times lower than the respective MCLs and are therefore not anticipated to adversely affect groundwater quality.

6.0 SUMMARY AND CONCLUSIONS

This section presents a summary of the data collected and conclusions relative to the evaluation of AISA site assessment data presented in this report.

6.1 Geology

The sedimentary materials comprising the vadose zone and the underlying groundwater aquifer at the AISA consist of unconsolidated alluvium. These sediments generally consist of poorly sorted sand and gravel with the gravel fraction containing cobbles and boulders as large as 2 feet in diameter. Stratigraphic correlation of the fine-grained lithologic groupings between boreholes is difficult, resulting in a scale-dependent homogeneity of coarse-grained alluvial sediments in the subsurface at the AISA (Plates 6 and 7). No laterally continuous layers of fine-grained sediments, such as silt and clay, were encountered that would significantly impede the lateral or vertical movement of water or soil vapors. There are no significant lithologic differences between sediments in the vadose and saturated zones; therefore, mass transfer of VOCs between aqueous and vapor phases is not lithologically controlled.

6.2 Soil Matrix Sampling

Near-surface sediment, soil boring, and monitoring well borehole sampling results indicate that, with the exception of arsenic and one PCB detection, no metal, dioxin and furans, and cyanide concentrations are present above EPA Region IX PRGs. No concentration trends were observed with depth or location, indicating that the arsenic is naturally occurring. The variability observed in arsenic concentrations may be related to the variability of the mineralogic composition of the alluvial sediments sampled. The natural occurrence of arsenic is further confirmed by the documented occurrence of arsenic in alluvial sediments in the western United States (USGS, 1988).

In general, VOCs and SVOCs were not detected in soil-matrix samples except for sporadic detections at relatively low concentrations. The detection of TCE in two soil-matrix samples appears to be consistent with soil-gas and soil-vapor results; however, a direct correlation between detectable levels of VOCs in soil vapor and positive detections of VOCs in soil-matrix samples did not consistently occur.

Comparison of chemical results from soil-gas, soil-vapor, and soil-matrix samples indicates that the most representative sample medium for VOC sampling is soil vapor. This medium is the most representative

because VOCs partition preferentially to the gas/vapor phase. This preferential partitioning is related to the following:

- The physical properties of vadose zone materials including low TOC, very small fraction of clay minerals, the coarse-grained nature of the material, and the depositional environment.

- The physical properties of the VOCs detected in the vadose zone including Henry's Law constant, organic carbon partition coefficient, vapor pressure, and solubility in water.

6.3 Soil-Gas and Soil-Vapor Sampling

Except for an area of limited lateral and vertical extent (southern PL-5 area), TCE was not detected in soil-gas or soil-vapor samples in the upper 50 feet of the vadose zone at concentrations exceeding 100 μg/l. PCE was not detected in soil-gas or soil-vapor samples in the upper 50 feet of the vadose zone at concentrations exceeding 100 μg/l. Concentrations of these compounds generally increased with depth in the area near the 210 Freeway reaching maximum concentrations directly above the water table. These increasing concentrations with depth indicate an upward concentration gradient. VLEACH model results indicate that mass transfer of shallow concentrations of TCE in the southern PL-5 area from the vadose zone to groundwater does not adversely affect groundwater.

CCl_4 and CFC-11 were not detected in soil-gas and soil-vapor samples in the upper 50 feet of the vadose zone at concentrations exceeding 100 μg/l. Concentrations of these compounds below 50 feet increased slightly with depth in the northeast part of the AISA, near the 210 Freeway.

1,1,1-TCA and CFC-113 were detected in soil-gas and soil-vapor samples at concentrations as high as 650 and 3,400 μg/l, respectively, in the upper 50 feet of the vadose zone on ORC property within the AISA. No soil-vapor chemistry data are available below a depth of 50 feet on ORC property; therefore, the vertical distribution of these VOCs is uncertain in this area. VLEACH model results indicate that the mass transfer of these compounds from the vadose zone to groundwater does not adversely affect groundwater quality.

1,1,1-TCA and CFC-113 were also detected at concentrations as high as 380 and 620 μg/l, respectively, in the upper 50 feet of the vadose zone near the 210 Freeway on the northeast portion of the AISA. Soil-vapor data below 50 feet indicate generally decreasing concentrations with depth at this location.

6.4 Hydrogeology

A detailed evaluation of the hydrogeology and groundwater flow modeling for a 50-square-mile area in Baldwin Park area of San Gabriel Valley was performed by HLA and DKT, on behalf Aerojet and Azusa Land Reclamation Company. This evaluation was performed to recommend modifications to EPA's Proposed Plan for groundwater remediation in the Baldwin Park OU in San Gabriel Valley and was submitted to EPA in August 1993. This evaluation indicated that groundwater elevations in the study area average approximately 250 feet above mean sea level, but can fluctuate significantly with seasonal and annual variations in precipitation and recharge. These water level fluctuations are predominantly the result of focused recharge at the SFRSG located approximately 1 mile west of the AISA. Groundwater modeling of the Baldwin Park area indicated that transient recharge and pumping conditions have a profound effect on the groundwater flow and contaminant transport.

The aquifer underlying the AISA is composed predominantly of poorly sorted sand, gravel, and boulders (some over 2 feet in diameter). Boreholes for monitoring wells were drilled to a maximum depth of 367 feet bgs did not encounter distinct lithologic units that could be correlated between boreholes, and no fine-grained silts or clays were encountered that could retard the flow of groundwater. Because of the lack of fine-grained aquitard materials in the saturated zone, the aquifer at the AISA is unconfined.

Saturated conditions representing the water table surface are generally encountered at depths ranging from 265 to 310 feet bgs. Since the first groundwater monitoring well was installed in September 1992, water-level elevations have fluctuated by as much as 40 feet. Water-level elevations reached a maximum of about 290 feet above mean sea level in mid-1993 and have declined approximately 30 feet since that time. The direction of groundwater flow at the AISA has varied considerably since groundwater level monitoring in three wells began in early 1993. Groundwater flow was predominantly to the east during a period when groundwater levels were increasing (March through May 1993). The direction of groundwater flow at the AISA has been predominantly to the west from January 1994 through the present, a period of declining water levels.

6.5 Groundwater Chemistry

Concentrations of TCE, PCE, 1,1,1-TCA, CCl_4, 1,2-DCA, 1,1-DCE, and cis-1,2-DCE have been consistently detected in groundwater samples collected at the AISA. Of the five monitoring wells installed, groundwater samples from only three wells (MW-2 through MW-4) indicate the consistent presence of these VOCs. Monitoring wells MW-1 and MW-5 have generally not indicated detectable levels of VOCs since they were installed in September 1992 and July 1994, respectively. Time-concentration trends for most of these VOCs indicate decreasing groundwater concentrations in the upgradient monitoring well (MW-3) near the 210 Freeway and increasing concentrations in downgradient monitoring wells (MW-2 and MW-4). Specifically, groundwater concentrations of TCE, PCE, 1,1,1-TCA, and CCl_4 have generally decreased in MW-3 since mid-1993. Conversely, groundwater concentrations of TCE, PCE, and CCl_4 have generally increased in MW-2 and MW-4 since May 1993.

6.6 Evaluation of Vadose Zone Transport Processes

A detailed evaluation of vadose zone transport processes was performed to evaluate the source(s) and fate of VOCs detected in the subsurface. This evaluation consisting of the following:

- Detailed literature review on VOC fate and transport processes,
- Evaluation of spatial trends in soil-vapor concentrations,
- Evaluation of potential sources of VOCs in the vadose zone,
- Evaluation of potential mass transfer at the water table interface,
- Development and verification of the conceptual model of subsurface VOC fate and transport, and
- Evaluation of potential impacts of VOCs in the vadose zone on groundwater quality.

The first four activities listed above were performed to develop a conceptual model of subsurface VOC transport in the vadose zone at the AISA. This conceptual model is based on five primary transport pathways as follows:

- Downward concentration-driven gas diffusion from shallow residual sources,

- Groundwater transport of VOCs onto the AISA from upgradient sources,
- VOC offgassing from groundwater,
- Upward concentration-driven gas diffusion, and
- Lateral concentration-driven gas diffusion from areas of higher vapor concentration to areas of lower concentration.

Two possible shallow sources of 1,1,1-TCA and CFC-113 were observed in the vadose zone at the AISA; one area is located near the center of the AISA on ORC property and the second area is near Building 57 and the 210 Freeway. One possible shallow source of TCE was observed in the vadose zone at the AISA, located in the eastern portion of Quadrant III near southern PL-5. Maximum soil-gas/soil-vapor concentrations for these areas were 620; 3,400; and 190 μg/l for 1,1,1-TCA, CFC-113, and TCE, respectively. The presence of these elevated concentrations provides a driving force for the diffusion of 1,1,1-TCA, CFC-113, and TCE both laterally and downward.

Groundwater transport of TCE, PCE, and CCl_4, from upgradient sources has resulted in significant VOC concentrations in groundwater at the upgradient portion of the AISA near the 210 Freeway. Although CFC-11 has not been consistently detected in groundwater samples collected from the AISA at a PQL of 5 μg/l, VLEACH modeling suggests that CFC-11 may be present in groundwater below the PQL. These groundwater concentrations of TCE, PCE, CCl_4, and CFC-11 act as a significant source of VOCs that are offgassing to the vadose zone. The resultant VOCs in soil vapor provide a driving force for upward and lateral concentration-driven gas diffusion to areas of lower concentration.

The VOC chemical transport processes incorporated in the AISA conceptual model are well documented in the scientific literature and are supported by (1) observed concentration trends and gradients and (2) VLEACH model simulations indicating that groundwater offgassing and upward concentration-driven gas diffusion could result in soil-vapor concentrations observed in the vadose zone at the AISA.

An evaluation of potential impacts to groundwater indicates that TCE, PCE, CCl_4, and CFC-11 concentrations in the vadose zone are not degrading water quality. Instead, groundwater offgassing appears to be degrading the vadose zone. Simulations of downward concentration-driven gas diffusion from possible shallow sources of 1,1,1-TCA and CFC-113 indicate that mass transfer of these VOCs does not adversely effect groundwater quality relative to state and federal MCLs.

7.0 RECOMMENDATIONS

This section presents recommendations regarding future activities at the AISA site assessment. These recommendations are as follows:

- Continue to monitor soil-vapor concentrations from 50 feet to the water table to further verify VOC mass transfer from groundwater to the vadose zone. As groundwater remediation in the Baldwin Park OU progresses via groundwater extraction and treatment, it is anticipated that VOC concentrations will also decrease in the vadose zone.

- Continue monthly groundwater level monitoring and quarterly groundwater sampling.

8.0 REFERENCES

Aerojet General. 1983. *Report of industrial waste generation, storage and disposal, 1942 - 1983*, October.

--- 1988. *Final response to U.S.E.P.A. Region IX letter, dated 10 August 1988*, December.

--- 1990. *Response to United States Environmental Protection Agency's May 7, 1990 request for information*, July.

Baeher, A.L., and Hult, M.F. 1991. Evaluation of unsaturated zone air permeability through pneumatic tests. *Water Resources Research*, Vol. 27, No. 10, 2605-2617.

CH2M Hill. 1991. *Regional Water Quality Control Board, Los Angeles Region, Statement of Work, Azusa/Irwindale study area, San Gabriel Areas 1-4, Los Angeles County, California.* Prepared for U.S. Environmental Protection Agency, Region IX, May.

Charbeneau, R.J., and Weaver, J.W. 1992. Modeling contaminant transport through subsurface systems. *Journal of Hazardous Materials*, 32, 293-311.

Cohen, Y., Tsai, W., Chetty, S.L., and Mayer, G.J. 1990. Dynamic partitioning of organic chemicals in regional environments: a multimedia screening-level approach. *Environmental Science and Technology*, 24, 1549-1558.

Culver, T.B., Shoemaker, C.A., and Lio, L.W. 1991. Impact of vapor sorption on the subsurface transport of volatile organic compounds: a numerical model and analysis. *Water Resources Research*, Vol. 27, No. 9, 2259-2270.

Falta, R.W., Javandel, I., Pruess, K., and Witherspoon, P.A. 1989. Density-driven flow of gases in the unsaturated zone due to the evaporation of volatile organic compounds. *Water Resources Research*, Vol. 25, No. 10, 2159-2169.

Gierke, J.S., Hutzler, N.J., and McKenzie, D.B. 1992. Vapor transport in unsaturated soil columns: implications for vapor extraction. *Water Resources Research*, Vol. 28, No. 2, 323-335.

Gierke, J.S., Hutzler, N.J., and Crittenden, J.C. 1990. Modeling the movement of volatile organic chemicals in columns of unsaturated soil. *Water Resources Research*, Vol. 26, No. 7, 1529-1547.

Harding Lawson Associates. 1991a. *Work plan, Azusa/Irwindale study area site assessment, San Gabriel Valley, California*, June 14.

--- 1991b. *Revised work plan, Azusa/Irwindale study area site assessment, San Gabriel Valley, California*, September 17.

--- 1991c. *Quality assurance project plan, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California*, October 9.

--- 1991d. *Sampling and analysis plan, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California*, October 16.

--- 1991e. *Site assessment report/remedial action proposal, former Johnston Pump Company sump, Azusa, California*, November 4.

--- 1992a. *Revised quality assurance project plan, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California*, January 3.

--- 1992b. *Revised sampling and analysis plan, Azusa/Irwindale study area site assessment, Azusa/Irwindale, California*, January 3.

--- 1992c. *Revised sampling and analysis plan, Tables 1 through 3 and 5 revisions, Azusa/Irwindale study area site assessment, Azusa/Irwindale, California.* Letter to Hank Yacoub, California Regional Water Quality Control Board, January 16.

--- 1992d. *Proposed amendments to revised SAP and QAPP analytical methods, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California.* Letter to Roy Sakaida, California Regional Water Quality Control Board, April 14.

--- 1992e. *Progress of field activities, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California*, May 6.

--- 1992f. *QA/QC procedures - Soil-gas survey and vapor monitoring well sampling, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California*, May 11.

--- 1992g. *Soil gas technical memorandum, quadrants I and II and portions of II and IV, Azusa/Irwindale study area site assessment, San Gabriel Valley, Los Angeles County, California*, June 25.

--- 1993a. *QA/QC procedures - Soil-gas survey and vapor monitoring well sampling, Azusa/Irwindale study area site assessment, San Gabriel Valley, California.* Letter to Alex Carlos, California Regional Water Quality Control Board, May 11.

--- 1993b. *Analytical procedures, soil gas survey and vapor monitoring well sampling, Azusa/Irwindale study area site assessment, San Gabriel Valley, California.* Letter to Alex Carlos, California Regional Water Quality Control Board, May 25.

--- 1993c. *Comprehensive soil-gas technical memorandum, Azusa/Irwindale study area site assessment, San Gabriel Valley, California*, September 10.

--- 1993d. *Initial results of shallow zone soil matrix and vapor monitoring well sampling, Azusa/Irwindale Study Area, San Gabriel, California*, November 19.

--- 1994a. *Soil matrix sample collection - air rotary drilling, revised analytical testing program, Azusa/Irwindale study area, San Gabriel Valley, California.* Letter to Wayne Chiou, California Regional Water Quality Control Board, April 15.

--- 1994b. *Amendments to revised work plan and revised sampling and analysis plan, Aerojet AISA site assessment, San Gabriel Valley, California.* Letter to Wayne Chiou and Arthur Heath, California Regional Water Quality Control Board, May 4.

--- 1994c. *Vapor monitoring well sampling methodology, Aerojet AISA site assessment, San Gabriel Valley, California.* Letter to Wayne Chiou, California Regional Water Quality Control Board, June 3.

--- 1994d. *Results of second quarter 1994 groundwater sampling, Azusa/Irwindale Study Area, San Gabriel, California.* Letter to Wayne Chiou, California Regional Water Quality Control Board, June 24.

Jury, W.A. 1986. Volatilization from soil. Chapter 7 of *Vadose Zone Modeling of Organic Pollutants*, Hern, S.C. and Melancon, S.M., Editors, Lewis Publishers, Inc.

Jury, W.A., Russo, D., Streile, G., and El Abd, H. 1990. Evaluation of volatilization by organic chemicals residing below the soil surface. *Water Resource Research*, Vol. 26, No. 1, 13-20.

Kuhlmeier, P.D. 1986. Evaporation of benzene, toluene, and o-xylene from contaminated groundwater. In *Proceedings of the NWWA/API Conference on Petroleum Hydrocarbons and Organic Chemicals in Groundwater - Prevention, Detection, and Restoration.*

Los Angeles County Department of Public Works. 1990. *Hydrologic Report*, 1988-89, April.

Massman, J., and Farrier, D.F. 1992. Effects of atmospheric pressures on gas transport in the vadose zone. *Water Resources Research*, Vol. 28, No. 3, 777-791.

Mendoza & Frind. 1990a. Advective-dispersive transport of dense organic vapors in the unsaturated zone 1: model development. *Water Resource Research*, Vol. 26, No. 3, 379-387.

--- 1990b. Advective-dispersive transport of dense organic vapors in the unsaturated zone 2: sensitivity analysis. *Water Resource Research*, Vol. 26, No. 3, 388-398.

Ong, S.K., Culver, T.B., Lion, L.W., and Shoemaker, C.A. 1992. Effects of soil moisture and physical-chemical properties of organic pollutants on vapor-phase transport in the vadose zone. *Journal of Contaminant Hydrology*, 11, 273-290.

Swallow, J.A., and Gschwend, P.M. 1983. Volatilization of organic compounds from unconfined aquifers. In *Proceedings of the Third National Symposium on Aquifer Restoration and Ground-Water Monitoring, NWWA.*

Thorstenson, D.C., and Pollock, D.W. 1989. Gas transport in unsaturated zones: multicomponent systems and the adequacy of Fick's Laws. *Water Resources Research*, Vol. 25, No. 3, 477-507.

United States Environmental Protection Agency. 1982. *EPA handbook for sampling and sample preservation* (EPA-600/4-82-029).

--- 1986. *Superfund public health evaluation manual*, EPA/540/1-86-1060.

--- 1988. *Guidance for conducting remedial investigations and feasibility studies under CERCLA* (OSWER Directive 9355 0-01), October.

--- 1993. *Region IX preliminary remediation goals, fourth quarter 1993*, dated November 1, 1993.

--- 1994. *VLEACH a one-Dimensional finite difference vadose zone leaching model.* Version 2.1. Center for Subsurface Modeling Support, Robert S. Kerr Laboratory.

United States Geological Survey. 1965. *Geology of the Los Angeles basin, California: an introduction.* Professional Paper 420-A.

--- 1966. *Baldwin Park, California.* 7.5-minute topographic quadrangle.

--- 1972. *Azusa, California.* 7.5-minute topographic quadrangle.

--- 1984. *Element concentrations in soils and other surficial materials of the conterminous United States.* Professional Paper No. 1270.

Weeks, E.P., Earp, D.E., and Thompson, G.M. 1982. Unsaturated zone in the southern high plains of Texas. *Water Resources Research*, Vol. 18, No. 5, 1365-1378.

Wood, B.D., Keller, C.K., and Johnstone, D.L. 1993. In situ measurement of microbial activity and controls on microbial CO_2 production in the unsaturated zone. *Water Resources Research*, Vol. 29, No. 3, 647-659.

Zaidel, J., and Russo, D. 1993. Analytical models of steady state organic species transport in the vadose zone with kinetically controlled volatilization and dissolution. *Water Resources Research*, Vol. 29, No. 10, 3343-3356.

TABLES

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD D-2216
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	
AISA AREA I															
DEGREASER DE-1b/LEACH PIT LP-7															
Date	Boring	Depth (feet)													
01/22/93	SVMW-15	1.75			1			1				1		1	
		2.00		1											
		27.00		1	1							1			
		Total Depth: 31.00													
DEGREASER DE-4															
Date	Boring	Depth (feet)													
01/21/93	SVMW-19	4.75						1						1	
		5.00							1						
		9.75						1							
		10.00							1						
04/15/94	SVMW-19D	20.25						3							
		35.00						1							
		Total Depth: 41.50													
GREASER DE-9															
Date	Boring	Depth (feet)													
02/26/93	SVMW-18	22.50						1						1	
		22.75		1											
		28.25		1											
		Total Depth: 31.00													
DRUM STORAGE AREA DR-1/STORAGE TANK T-2															
Date	Boring	Depth (feet)													
02/08/93	SVMW-16	3.00			1			1						1	
		3.25		1											
02/09/93	SVMW-16A	23.25			1										
		23.50		1											
		40.25			1										
		40.50		1								1			
		Total Depth: 41.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRUM STORAGE AREA DR-4															
Date	Boring	Depth (feet)													
03/02/93	SZB-03	5.25		1	1			1						1	
		7.50			1										
		7.75		1											
		14.75		1	1										
Total Depth:		21.00													
DRUM STORAGE AREA DR-5															
Date	Boring	Depth (feet)													
03/01/93	SZB-02	5.25		1	1			1						1	
		20.25			1										
		19.25		1											
Total Depth:		20.50													
DRUM STORAGE AREA DR-9															
Date	Boring	Depth (feet)													
01/28/93	SVMW-04	15.00			1			1						1	
		15.25		1											
Total Depth:		21.00													
DRUM STORAGE AREAS DR-13/ DR-14 /WD-2															
Date	Boring	Depth (feet)													
03/05/93	SZB-11	5.25		1	1			1				1		1	
		14.00			1							1			
		14.25		1											
		21.00			1							1			
		21.25		1											
Total Depth:		28.50													
DRUM STORAGE AREA DR-22															
Date	Boring	Depth (feet)													
01/29/93	SVMW-05C	1.25		1	1			1						1	
		5.75			1										
04/11/94	SVMW-05D	20.25			1										
04/14/94		42.00			1										
Total Depth:		42.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRUM STORAGE AREA DR-25C															
Date	Boring	Depth (feet)													
02/09/93	SVMW-21	4.25			1			1						1	
		4.50		1											
		9.75		1											
		10.00			1										
	SVMW-21C	16.00			1										
		16.25		1											
Total Depth:		20.50													
DRUM STORAGE AREA DR-26															
Date	Boring	Depth (feet)													
03/01/93	SZB-01	1.25													
		2.00			1			1						1	
		2.25		1											
		7.50		1	1										
Total Depth:		8.00													
DRUM STORAGE AREA DR-16 and SL-5															
Date	Boring	Depth (feet)													
05/26/94	SZB-35C	1.00		1											
		1.25												1	
	SZB-35B	5.25		1											
		20.75		1											
Total Depth:		22.00													
DRUM STORAGE AREA DR-27															
Date	Boring	Depth (feet)													
03/04/93	SZB-04	3.75		1	1			1						1	
		14.50		1	1										
		15.00													
Total Depth:		17.50													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
FUEL OIL STORAGE TANK AREA T-1a/T-1b															
Date	Boring	Depth (feet)													
01/22/93	SVMW-11	1.25		1											
		1.50						1		1				1	
01/22/93	SVMW-11D	2.25	1					1		1				1	
		20.25	1							1					
		30.00	1							1					
		37.00	1							1					
Total Depth:		37.00													
FUEL OIL STORAGE TANK AREA T-1b/T-4/DE-1b/DE-6/DE-8															
Date	Boring	Depth (feet)													
01/25/93	SVMW-13	1.50						1						1	
		1.75		1											
		20.25						1							
		24.00		1											
		28.00		1				1							
Total Depth:		34.50													
STORAGE TANK AREA T-3															
Date	Boring	Depth (feet)													
01/26/93	SVMW-14	6.50			1			1						1	
		7.00		1											
		21.00			1										
		21.25		1											
Total Depth:		31.50													
STORAGE TANK T-5/T-6/T-7/SL-3															
Date	Boring	Depth (feet)													
01/21/93	SVMW-20	10.50	1				1			1				1	
		18.75								1				1	
		19.00	1				1								
Total Depth:		31.00													
WASTE DISPOSAL AREA WD-1															
Date	Boring	Depth (feet)													
01/25/93	SVMW-01	1.25		1	1		1	1				1		1	
04/24/94	SVMW-01D	15.00			1		1								
		30.00			1		1								
Total Depth:		40.50													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
LEACH BED LB-3															
Date	Boring	Depth (feet)													
02/10/93	SVMW-22B	14.00			1			1						1	
		14.25		1											
Total Depth:		27.00													
LEACH PIT AREA LP-4 AND DR-8															
Date	Boring	Depth (feet)													
01/27/93	SVMW-02	5.25			1			1				1		1	
		12.25			1										
		12.50		1											
		20.25		1											
		31.25			1										
Total Depth:		40.00													
LEACH PIT LP-6															
Date	Boring	Depth (feet)													
02/08/93	SVMW-17	4.75		1	1			1				1		1	
		15.00		1	1							1			
Total Depth:		21.00													
PCB TRANSFORMER TP-1															
Date	Boring	Depth (feet)													
09/15/92	TP-1-NSS-01	1.90				1									
Total Depth:		2.20													
PCB TRANSFORMER TP-2															
Date	Boring	Depth (feet)													
09/16/92	TP-2-NSS-01	1.90				1									
Total Depth:		2.20													
PCB TRANSFORMER TP-3															
Date	Boring	Depth (feet)													
09/16/92	TP-3-NSS-01	2.00				1									
Total Depth:		2.25													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA	Date	Boring	Depth (feet)	EPA TEST METHODS 8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	ASTM METHOD D-2216
PCB TRANSFORMER TP-4																
	09/16/92	TP-4-NSS-01	1.90				1									
			Total Depth: 2.40													
PCB TRANSFORMER TP-5																
	09/16/92	TP-5-NSS-01	1.90				1									
			Total Depth: 2.20													
PCB TRANSFORMER TP-6																
	09/16/92	TP-6-NSS-01	1.90				1									
			Total Depth: 2.40													
PCB TRANSFORMER TP-7																
	09/16/92	TP-7-NSS-01	2.00				1									
			Total Depth: 2.50													
LIMITED DATA AREAS																
	01/09/93	MW-03	36.00			1			1			1		1	1	
	01/10/93		56.25									1		1		
			56.50			1										
			Total Depth: 367.00													
	01/29/93	SVMW-06	6.50						1						1	
			6.75							1						
			19.00						1							
			Total Depth: 37.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
Date	Boring	Depth (feet)													
02/25/93	SVMW-08	2.50		1											
02/26/93	SVMW-08B	9.25		1											
		14.25		1											
		26.25		1											
		30.25		1											
	Total Depth:	34.50													
Date	Boring	Depth (feet)													
02/25/93	SVMW-10	2.50		1											
		6.50		1											
		25.50		1											
	Total Depth:	32.50													
Date	Boring	Depth (feet)													
02/25/93	SVMW-24B	1.50		1	1			1						1	
		6.50		1	1										
		10.50			1										
	Total Depth:	21.00													

AISA AREA II

DRUM STORAGE AREA DR-2

Date	Boring	Depth (feet)													
03/03/93	SZB-09	2.25		1	1			1				1		1	
		4.00		1	1							1			
		15.00		1	1							1			
	Total Depth:	20.20													

DRUM STORAGE AREA DR-3

Date	Boring	Depth (feet)													
03/03/93	SZB-08	10.25		1	1			1				1		1	
		14.25		1	1							1			
	Total Depth:	18.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRUM STORAGE AREA DR-11															
Date	Boring	Depth (feet)													
03/02/93	SZB-07	4.25		1											
		4.00			1			1				1		1	
		19.00			1							1			
		19.25		1											
Total Depth:		20.00													
DRUM STORAGE AREA DR-12															
Date	Boring	Depth (feet)													
01/29/93	SZB-05C	1.25													
04/11/93	SZB-05E	1.00			1			1						1	
Total Depth:		24.00													
DRUM STORAGE AREA DR-12															
Date	Boring	Depth (feet)													
03/05/93	SZB-06A	5.00			1			1				1		1	
		18.25			1							1			
		18.50		1											
Total Depth:		20.00													
STAIN AND LIQUID AREA SL-1/MERCURY SPILL AREA/DG-1															
Date	Boring	Depth (feet)													
03/04/93	SZB-10	1.75		1	1			1				1		1	
		4.75		1	1		1					1			
		9.75		1	1		1					1			
		14.25		1	1		1					1			
Total Depth:		20.00													
STAIN AND LIQUID AREA SL-1/DG-1															
Date	Boring	Depth (feet)													
01/26/93	SVMW-26	10.00			1		1	1				1		1	
		24.00			1		1					1			
		24.25		1											
Total Depth:		27.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD D-2216
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	
STAIN AND LIQUID AREA SL-1															
Date	Boring	Depth (feet)													
01/20/93	SVMW-27	3.75			1		1	1				1		1	
		4.00		1											
		30.75			1		1					1			
		31.00		1											
Total Depth:		40.50													
LEACH BED LB-1															
Date	Boring	Depth (feet)													
02/11/93	SVMW-28A	1.00			1			1				1		1	
		13.50		1	1			1				1		1	
Total Depth:		20.20													
DRAINAGE COURSE DG-1															
Date	Boring	Depth (feet)													
08/31/92	DG-1-NSS-01	0.70		1	1		1	1				1		1	
		1.50		1	1		1	1				1		1	
		2.40		1	1		1	1				1		1	
Total Depth:		2.60													
DRAINAGE COURSE DG-1															
Date	Boring	Depth (feet)													
08/31/92	DG-1-NSS-02	0.20		1	1		1	1				1		1	
		1.00		1	1		1	1				1		1	
		2.20		1	1		1	1				1		1	
Total Depth:		2.70													
DRAINAGE COURSE DG-1															
Date	Boring	Depth (feet)													
08/31/92	DG-1-NSS-03	0.20		1	1		1	1				1		1	
		1.00		1	1		1	1				1		1	
		2.00		1	1		1	1				1		1	
Total Depth:		2.50													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRAINAGE COURSE DG-1															
Date	Boring	Depth (feet)													
09/15/92	DG-1-NSS-04	2.20		1	1		1	1				1		1	
		3.20		1	1		1	1				1		1	
		4.10		1	1		1	1				1		1	
Total Depth:		4.40													
LIMITED DATA AREAS															
Date	Boring	Depth (feet)													
09/16/92	MW-01	6.75		1	1			1						1	
09/23/92		15.50			1			1						1	
Total Depth:		312.00													
AISA AREA III															
DRUM STORAGE AREA DR-10/LB-2															
Date	Boring	Depth (feet)													
12/23/93	SVMW-38	10.00										1		1	
		10.25		1	1										
		20.00		1	1							1			
Total Depth:		30.50													
DRUM STORAGE AREA DR-15a															
Date	Boring	Depth (feet)													
01/11/94	SZB-31A	5.00						1				1		1	
		5.25		1	1										
	SZB-31B	20.25		1	1							1			
Total Depth:		23.50													
DRUM STORAGE AREA DR-15b															
Date	Boring	Depth (feet)													
01/11/94	SZB-41A	5.00						1				1		1	
		5.25		1	1										
	SZB-41B	15.25		1	1							1			
		30.00										1			
		30.25		1	1										
Total Depth:		34.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRUM STORAGE AREA DR-16															
Date	Boring	Depth (feet)													
12/21/93	SZB-36	4.50										1		1	
		4.75		1	1			1							
		27.25										1			
		27.50		1	1										
		39.50										1			
		39.75		1	1										
Total Depth:		40.25													
DRUM STORAGE AREA DR-16															
Date	Boring	Depth (feet)													
12/22/93	SZB-39	4.00		1	1			1							
	SZB-39A	4.50										1		1	
		20.00										1			
		20.25		1	1										
Total Depth:		24.50													
DRUM STORAGE AREA DR-17a															
Date	Boring	Depth (feet)													
01/07/94	SZB-38	4.50		1	1										
		4.75						1				1		1	
01/10/94		15.25		1	1							1			
Total Depth:		22.00													
DRUM STORAGE AREA DR-17b															
Date	Boring	Depth (feet)													
12/21/93	SZB-37	4.50						1				1		1	
		4.75		1	1										
		20.50		1	1							1			
Total Depth:		24.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRUM STORAGE AREA DR-17b															
Date	Boring	Depth (feet)													
12/23/93	SZB-40A	20.00										1			
		20.25		1	1										
Total Depth:		28.00													
DRUM STORAGE AREA DR-18															
Date	Boring	Depth (feet)													
01/07/94	SZB-34B	4.75						1				1		1	
	SZB-34C	6.25		1	1										
	SZB-34	9.25		1	1										
04/22/94	SZB-34D	26.25			1										
		37.00			1										
Total Depth:		37.50													
DRUM STORAGE AREA DR-23/SALVAGE YARD															
Date	Boring	Depth (feet)													
01/14/94	SZB-26A	4.00						1				1		1	
		4.25		1	1										
		19.75		1	1							1			
Total Depth:		28.00													
DRUM STORAGE AREA DR-23/SALVAGE YARD															
Date	Boring	Depth (feet)													
01/10/94	SZB-27	5.00						1				1		1	
		5.25		1	1										
		20.00		1	1							1			
Total Depth:		24.00													
DRUM STORAGE AREA DR-24b/LB-2															
Date	Boring	Depth (feet)													
01/14/94	SZB-30	5.00						1				1		1	
		5.25		1	1										
	SZB-30A	19.25		1	1							1			
Total Depth:		20.50													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD D-2216
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	
DRUM STORAGE AREA DR-24b/LB-2															
Date	Boring	Depth (feet)													
01/14/94	SZB-32	5.50		1	1										
		6.00						1				1		1	
		20.00		1	1							1			
		35.25		1	1							1			
Total Depth:		35.50													
PONDED LIQUID AREA PL-2/DR-23															
Date	Boring	Depth (feet)													
04/11/94	SZB-28D	4.00		1	1			1						1	
		23.25			1										
04/12/94		34.50			1										
Total Depth:		39.50													
PONDED LIQUID PL-5															
Date	Boring	Depth (feet)													
10/08/93	MW-02	58.25		1	1										1*
/09/93		58.50		1	1										1*
Total Depth:		339.00													

Note: * No TOC. Only tested for pH.

PONDED LIQUID AREA PL-5															
Date	Boring	Depth (feet)													
01/18/93	SVMW-29	4.50			1		1	1				1		1	
		5.00		1											
		18.75			1		1					1			
		19.00		1											
Total Depth:		23.00													
PONDED LIQUID AREA PL-5															
Date	Boring	Depth (feet)													
01/18/93	SVMW-30	4.75			1		1	1				1		1	
		5.00		1											
01/19/83		29.75		1	1		1					1			
Total Depth:		39.50													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
LEACH BED LB-2															
Date	Boring	Depth (feet)													
01/11/94	SZB-33	5.00						1				1		1	
		5.25		1	1										
		20.00		1	1										
		24.00										1			
		40.00										1			
		40.25		1	1										
Total Depth:		40.25													
LEACH BED LB-4															
Date	Boring	Depth (feet)													
11/17/94	SZB-25	5.25						1				1		1	
		5.50		1	1										
		19.75		1	1									1	
Total Depth:		40.25													
DRAINAGE COURSE DG-3															
Date	Boring	Depth (feet)													
06/10/93	DG-3-NSS-01	1.00		1	1			1				1		1	
		2.00		1	1			1				1		1	
		3.00		1	1			1				1		1	
Total Depth:		3.50													
DRAINAGE COURSE DG-3															
Date	Boring	Depth (feet)													
06/10/93	DG-3-NSS-02	1.50		1	1			1				1		1	
		2.50		1	1			1				1		1	
		3.50		1	1			1				1		1	
Total Depth:		4.00													
DRAINAGE COURSE DG-3															
Date	Boring	Depth (feet)													
06/10/93	DG-3-NSS-03	1.00		1	1			1				1		1	
		2.00		1	1			1				1		1	
		3.00		1	1			1				1		1	
Total Depth:		3.50													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD D-2216
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	
DRAINAGE COURSE DG-3															
Date	Boring	Depth (feet)													
06/10/93	DG-3-NSS-04	1.00		1	1			1				1		1	
		2.00		1	1			1				1		1	
		3.00		1	1			1				1		1	
Total Depth:		3.50													
AISA AREA IV															
DRUM STORAGE AREA DR-6															
Date	Boring	Depth (feet)													
01/04/94	SVMW-33	4.50						1						1	
		9.75		1	1										
		14.75		1	1										
Total Depth:		21.00													
DRUM STORAGE AREA DR-6															
Date	Boring	Depth (feet)													
/28/93	SVMW-37A	4.50						1						1	
		4.75		1	1										
	SVMW-37	25.25		1	1										
Total Depth:		33.00													
DRUM STORAGE AREA DR-7b															
Date	Boring	Depth (feet)													
12/28/93	SZB-14	4.50													
		5.00		1	1										
		10.00						1						1	
		20.25		1	1										
Total Depth:		22.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
DRUM STORAGE DR-19/WD-4															
Date	Boring	Depth (feet)													
12/27/93	SZB-20A	5.25						1						1	
		5.50		1	1										
	SZB-20	20.50		1	1										
Total Depth:		21.50													
DRUM STORAGE DR-20/AND WASTE DISPOSAL AREA															
Date	Boring	Depth (feet)													
12/27/93	SZB-19A	5.75						1						1	
		6.00		1	1										
	SZB-19	37.25		1	1										
Total Depth:		40.50													
DRUM STORAGE AREA DR-21/PL-3															
Date	Boring	Depth (feet)													
01/03/94	SVMW-35	4.75		1	1										
	SVMW-35A	9.50		1	1			1						1	
04/11/94	SVMW-35D	20.00			1										
		34.25			1										
Total Depth:		41.80													
DRUM STORAGE AREA DR-21/PL-3															
Date	Boring	Depth (feet)													
01/03/94	SVMW-36	4.00						1						1	
		4.25		1	1										
		20.00		1	1										
Total Depth:		25.00													
SUMP S-1															
Date	Boring	Depth (feet)													
01/04/94	SZB-13C	2.25		1	1										
	SZB-13	4.50						1						1	
		5.00													
		20.00		1	1										
		30.25		1	1										
		40.25													
Total Depth:		40.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
STAIN AND LIQUID AREA SL-6															
Date	Boring	Depth (feet)													
12/29/94	SZB-12B	5.00		1	1										
		15.00						1						1	
		40.00		1	1										
Total Depth:		40.50													
PONDED LIQUID AREA PL-3 AND WRECKING YARD WY-1															
Date	Boring	Depth (feet)													
01/06/94	SVMW-39	5.00						1						1	
		5.25		1	1										
		19.75		1	1										
		36.25			1										
		36.50		1											
Total Depth:		40.25													
LEACH PIT LP-1															
Date	Boring	Depth (feet)													
03/18/93	MW-04	16.25													
		16.50		1	1			1			1		1	1	
		20.25		1	1										
		25.25		1							1		1		
Total Depth:		356.00													
WRECKING YARD WY-1															
Date	Boring	Depth (feet)													
01/06/94	SZB-24	5.50						1						1	
		5.75		1	1										
01/07/94	SZB-24A	20.75		1	1										
Total Depth:		25.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS												ASTM METHOD
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series	D-2216
GO KART BUILDING															
Date	Boring	Depth (feet)													
01/04/94	SZB-21	6.00						1						1	
		6.25		1											
		14.50		1											
		29.75		1											
	Total Depth:	33.00													
GO KART BUILDING															
Date	Boring	Depth (feet)													
01/07/94	SZB-22	4.25						1						1	
		4.50		1											
		24.75		1											
	Total Depth:	28.00													
FORMER JPC															
Date	Boring	Depth (feet)													
03/01/93	SVMW-32	6.50								1					
		6.75		1											
		10.75		1						1					
		24.25		1						1				1	
		29.00		1						1					
	Total Depth:	29.70													
SITE AREA - NORTH KINCAID PIT															
LIMITED DATA AREA															
Date	Boring	Depth (feet)													
04/24/94	MW-05	35.25			1			1						1	1
		55.00			1										1
		115.00		1											
04/25/94		115.25			1										1
04/27/94		195.00													1
		195.25		1	1										
		255.25													1
		255.50		1	1										
	Total Depth:	325.00													

Table 1. Summary of Analytical Testing Performed on Soil Samples Collected from AISA Borings (continued)

POTENTIAL SOURCE AREA			EPA TEST METHODS													ASTM METHOD D-2216
			8020	8240	8270	8080	8080/ 8280	9012	8010	Mod. 8015	9060	Chlor	9045	6010/ 7000 Series		
Date	Boring	Depth (feet)														
12/31/93	SVMW-34	6.50						1						1		
		6.75		1	1											
		20.50		1	1											

Total Depth:	20.00

TOTAL SOIL SAMPLE LOCATIONS = 85 (SVMW = 32; IDVMW = 5; SZB = 35; TP-NSS = 7; and DG-NSS = 6)

Table 2. Chronology of Soil Gas Sampling Program
AISA Site Assessment

Sampling Date	Daily Sampling Totals: Quadrant I	Quadrant II	Quadrant III	Quadrant IV	Replicates	Total No. of Analyses	Multiple Depth Samples Analyzed	Multiple Volume Samples Analyzed	Reoccupied Samples Analyzed	Total No. of Discrete Sample Locations
3/10/92	15	3	0	0	1	19	10	0	0	8
3/11/92	0	16	0	0	1	17	0	0	0	16
3/12/92	14	6	0	0	1	21	0	0	0	20
3/13/92	0	3	1	12	1	17	0	4	0	12
3/16/92	0	0	0	8	0	8	0	0	0	8
3/17/92	0	8	0	0	0	8	0	0	0	8
3/18/92	4	7	0	1	1	13	0	0	0	12
3/19/92	6	10	0	0	1	17	0	2	0	14
3/20/92	0	11	0	0	1	12	0	2	0	9
3/23/92	16	2	0	0	1	19	0	0	1	17
3/24/92	15	1	0	1	1	18	0	0	2	15
4/01/92	13	1	0	0	1	15	0	0	3	11
4/06/92	19	1	0	0	2	22	0	0	2	18
4/07/92	13	0	0	0	1	14	0	0	0	13
4/08/92	7	1	0	0	0	8	0	0	0	8
4/09/92	19	0	0	0	1	20	0	0	0	19
4/10/92	10	0	0	8	1	19	1	0	0	17
4/13/92	20	4	0	0	2	26	0	0	0	24
4/14/92	13	6	4	1	2	26	0	0	1	23
4/15/92	19	0	0	0	1	20	0	0	1	18
4/16/92	5	8	11	0	2	26	0	0	0	24
/22/92	0	2	18	0	2	22	0	0	0	20
4/23/92	0	6	5	7	1	19	0	0	0	18
4/24/92	12	0	0	6	1	19	0	0	0	18
4/27/92	8	10	0	0	1	19	0	0	0	18
4/28/92	8	0	0	0	0	8	0	0	0	8
4/29/92	12	7	0	0	1	20	0	0	0	19
4/30/92	12	2	1	1	1	17	0	0	0	16
5/06/92	10	0	0	1	1	12	0	0	0	11
5/07/92	9	2	0	5	1	17	0	0	1	15
5/08/92	15	0	0	0	1	16	0	0	0	15
5/14/92	14	0	0	0	1	15	0	0	0	14
5/15/92	9	2	0	0	0	11	0	0	0	11
7/29/92	0	0	0	12	1	13	0	0	0	12
7/30/92	0	0	0	16	1	17	0	0	0	16
7/31/92	0	0	0	15	1	16	0	0	0	15
8/03/92	0	0	0	16	1	17	0	0	0	16
8/04/92	0	0	0	16	1	17	0	0	0	16
8/05/92	0	0	0	16	1	17	0	0	0	16
8/06/92	0	0	1	7	0	8	0	0	0	8
8/07/92	1	0	11	4	1	17	0	0	2	14
8/17/92	0	0	4	4	0	8	0	0	1	7
8/18/92	0	0	16	0	1	17	0	0	0	16
8/19/92	0	0	13	0	1	14	0	0	0	13
8/20/92	0	0	12	0	1	13	0	0	0	12
8/21/92	0	0	5	7	1	13	0	0	0	12
5/17/93	3	0	0	0	0	3	0	0	3	0
Totals:	321	119	102	164	44	750	11	8	17	670

Table 2. Chronology of Soil Gas Sampling Program
AISA Site Assessment

Sampling Date	Daily Sampling Totals: Quadrant I	Quadrant II	Quadrant III	Quadrant IV	Replicates	Total No. of Analyses	Multiple Depth Samples Analyzed	Multiple Volume Samples Analyzed	Reoccupied Samples Analyzed	Total No. of Discrete Sample Locations
5/18/93	0	0	9	0	2	11	0	0	0	9
5/19/93	0	0	6	2	1	9	0	0	0	8
5/20/93	0	0	8	0	1	9	0	0	0	8
5/21/93	0	0	8	0	0	8	0	0	0	8
5/24/93	0	0	2	10	2	14	0	0	0	12
5/25/93	0	0	11	1	1	13	0	0	0	12
5/26/93	0	0	16	0	1	17	0	0	0	16
5/27/93	0	0	12	0	2	14	0	0	0	12
5/28/93	0	0	12	0	1	13	0	0	0	12
6/01/93	0	0	12	0	1	13	0	0	0	12
6/02/93	0	0	10	6	2	18	0	0	0	16
6/03/93	0	0	0	11	1	12	0	0	0	11
5/17/94	4	0	0	0	0	4	0	0	0	4
5/24/94	6	6	0	0	1	13	0	0	0	12
5/25/94	1	0	0	0	0	1	0	0	0	1
Totals:	332	125	208	194	60	919	11	8	17	823

Table 3a. Vapor Monitoring Well Construction Details.

SVMW Number	1	2	4	5	6	8	10	11	13	14
Date Installed	04/23/94	01/27/93	01/28/93	04/11/94	01/29/93	02/26/93	02/25/93	04/23/94	01/25/93	01/26/93
Number of Boring Attempts	5	1	1	5	1	3	1	5	1	1
Total Borehole Depth Obtained (ft,bgs)	40.5	40	21	42	37	34.5	32.5	37	34.5	31.5
Borehole Diameter (inches)	8	8	8	8	8	8	8	8	8	8
Drilling/Installation Method	HSA/AIR	HSA	HSA	HSA/AIR	HSA	HSA	HSA	HSA/AIR	HSA	HSA
No. of Piezometers Installed	3	3	2	3	3	3	3	3	3	3
Date Piezometers Installed	04/23/94	01/27/93	01/28/93	04/14/94	01/29/93	02/26/93	02/25/93	04/23/94	01/25/93	01/26/93
Type of Surface Completion	CB	CB	CB	CB	CB	CB	CB	CB	CB	CB
Type of Petcock	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Access Tubing Material	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Access Tubing Inside Diameter (inches)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Vapor Piezometer Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Piezometer Slot Size (inches)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Vapor Piezometer Inside Diameter (inches)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Type of Sand used	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
Type of Seal used	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB
Deep Completion Details:										
Bottom Sand Pack (ft,bgs)	40.5	39.5	20.5	42	34.9	34.3	31	31	34	31
Bottom of Piezometer (ft,bgs)	40	39	20	41.5	34	33.5	30	30.5	33.5	30.5
Top of Piezometer (ft,bgs)	39.5	38.5	19.5	41	33.5	33	29.5	30	33	30
Top of Sand Pack (ft,bgs)	39	38	19	40.5	33	32.5	29	29.5	32.5	29.5
Three Casing Volumes (Liters)	1.15	1.12	0.58	1.20	0.98	0.96	0.86	0.88	0.96	0.88
Intermediate Completion Details:										
Bottom Sand Pack (ft,bgs)	21	21	NA	21.5	20.5	20.5	20.5	21	20.5	20.5
Bottom of Piezometer (ft,bgs)	20.5	20	NA	21	20	20	20	20.5	20	20
Top of Piezometer (ft,bgs)	20	19.5	NA	20.5	19.5	19.5	19.5	20	19.5	19.5
Top of Sand Pack (ft,bgs)	19.5	18.5	NA	19.5	19	19	19	19.5	19	19
Three Casing Volumes (Liters)	0.59	0.58	NA	0.60	0.58	0.58	0.58	0.59	0.58	0.58
Shallow Completion Details:										
Bottom Sand Pack (ft,bgs)	6	5.5	5	7	5.5	5.5	5.5	6	5.5	8
Bottom of Piezometer (ft,bgs)	5.5	5	4.5	6	5	5	5	5.5	5	7.5
Top of Piezometer (ft,bgs)	5	4.5	4	5.5	4.5	4.5	4.5	5	4.5	7
Top of Sand Pack (ft,bgs)	4.5	4	3.5	5	4	4	4	4.5	4	6.5
Three Casing Volumes (Liters)	0.16	0.14	0.13	0.17	0.14	0.14	0.14	0.16	0.14	0.22

Notes: AG = Above Ground CA = Coarse Aquarium Sand CB = Christy Box
HB = Hydrated Bentonite HSA = Hollow Stem Auger MA = Medium Aquarium Sand
NA = Not Applicable SS = Stainless Steel

SVMW Number	15	16	17	18	19	20	21	22	24	26
Date Installed	01/22/93	02/09/93	02/08/93	02/26/93	04/15/94	01/20/93	02/09/93	02/10/93	02/24/93	01/26/93
Number of Boring Attempts	1	2	1	1	5	1	4	3	3	2
Total Borehole Depth Obtained (ft,bgs)	31	41	21	31	41	31	20.5	27	21	27
Borehole Diameter (inches)	8	8	8	8	8	8	8	8	8	8
Drilling/Installation Method	HSA	HSA	HSA	HSA	HSA/AIR	HSA	HSA	HSA	HSA	HSA
No. of Piezometers Installed	3	3	2	3	3	2	2	3	2	2
Date Piezometers Installed	01/22/93	02/09/93	02/08/93	02/26/93	04/15/94	01/20/93	02/09/93	02/10/93	02/24/93	01/26/93
Type of Surface Completion	CB	CB	CB	CB	CB	CB	CB	CB	CB	CB
Type of Petcock	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Access Tubing Material	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Access Tubing Inside Diameter (inches)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Vapor Piezometer Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Piezometer Slot Size (inches)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Vapor Piezometer Inside Diameter (inches)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Type of Sand used	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
Type of Seal used	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB
Deep Completion Details:										
Bottom Sand Pack (ft,bgs)	31	40.5	20.5	31	41	20.6	20.5	26.9	20	24
Bottom of Piezometer (ft,bgs)	30.5	40	20	30	40.5	20	20	26.5	19.5	23.5
Top of Piezometer (ft,bgs)	30	39.5	19.5	29.5	40	19.5	19.5	26	19	23
Top of Sand Pack (ft,bgs)	29.5	39	18.5	29	39.5	19	18.7	25.3	18.5	21.5
Three Casing Volumes (Liters)	0.88	1.15	0.58	0.86	1.17	0.58	0.58	0.76	0.56	0.68
Intermediate Completion Details:										
Bottom Sand Pack (ft,bgs)	20.5	20.5	NA	20.5	20	NA	NA	18.5	NA	NA
Bottom of Piezometer (ft,bgs)	20	20	NA	20	19.5	NA	NA	18	NA	NA
Top of Piezometer (ft,bgs)	19.5	19.5	NA	19.5	19	NA	NA	17.5	NA	NA
Top of Sand Pack (ft,bgs)	19	19	NA	19	18.5	NA	NA	17	NA	NA
Three Casing Volumes (Liters)	0.58	0.58	NA	0.58	0.56	NA	NA	0.52	NA	NA
Shallow Completion Details:										
Bottom Sand Pack (ft,bgs)	5.5	5.7	5.5	5.5	5	5.5	5.5	5.7	5.5	5.5
Bottom of Piezometer (ft,bgs)	5	5	5	5	4.5	5	5	5	5	5
Top of Piezometer (ft,bgs)	4.5	4.5	4.5	4.5	4	4.5	4.5	4.5	4.5	4.5
Top of Sand Pack (ft,bgs)	4	4.1	4	4	3.5	4	4	4	4	4
Three Casing Volumes (Liters)	0.14	0.14	0.14	0.14	0.13	0.14	0.14	0.14	0.14	0.14

Notes: AG = Above Ground CA = Coarse Aquarium Sand CB = Christy Box
HB = Hydrated Bentonite HSA = Hollow Stem Auger MA = Medium Aquarium Sand
NA = Not Applicable SS = Stainless Steel

SVMW Number	27	28	29	30	32	33	34	35	36	37
Date Installed	01/20/93	02/11/93	01/18/93	01/18/93	03/01/93	01/04/94	12/31/93	04/13/94	01/03/94	12/28/93
Number of Boring Attempts	2	2	1	1	1	1	1	5	1	2
Total Borehole Depth Obtained (ft,bgs)	40	20.2	23	39.5	29.7	21	20	41.8	25	33
Borehole Diameter (inches)	8	8	8	8	8	8	8	8	8	8
Drilling/Installation Method	HSA	HSA	HSA	HSA	HSA	HSA	HSA	HSA/AIR	HSA	HSA
No. of Piezometers Installed	3	2	2	3	3	2	2	3	2	3
Date Piezometers Installed	01/20/93	02/11/93	01/19/93	01/18/93	03/01/93	01/04/94	12/31/93	04/13/94	01/03/94	12/28/93
Type of Surface Completion	CB	AG	CB	CB	CB	CB	CB	CB	CB	CB
Type of Petcock	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Access Tubing Material	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
Access Tubing Inside Diameter (inches)	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
Vapor Piezometer Material	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
Piezometer Slot Size (inches)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Vapor Piezometer Inside Diameter (inches)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Type of Sand used	MA	MA	MA	MA	MA	MA	MA	MA	MA	MA
Type of Seal used	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB
Deep Completion Details:										
Bottom Sand Pack (ft,bgs)	40.5	19.6	23	39.5	29.6	21	20	41.8	20.5	33
Bottom of Piezometer (ft,bgs)	40	19	22.5	39	29.5	20	19.5	41	20	32.5
Top of Piezometer (ft,bgs)	39.5	18.5	22	38.5	29	19.5	19	40.5	19.5	32
Top of Sand Pack (ft,bgs)	39	18	21.4	38	28.5	19	18.2	39.5	19	31.5
Three Casing Volumes (Liters)	1.15	0.63	0.65	1.12	0.85	0.58	0.56	1.18	0.58	0.94
Intermediate Completion Details:										
Bottom Sand Pack (ft,bgs)	21	NA	NA	21.5	20.5	NA	NA	21	NA	20.5
Bottom of Piezometer (ft,bgs)	20.5	NA	NA	21	20	NA	NA	20.5	NA	20
Top of Piezometer (ft,bgs)	20	NA	NA	20.5	19.5	NA	NA	20	NA	19.5
Top of Sand Pack (ft,bgs)	19.5	NA	NA	20	19	NA	NA	19.5	NA	19
Three Casing Volumes (Liters)	0.59	NA	NA	0.60	0.58	NA	NA	0.59	NA	0.58
Shallow Completion Details:										
Bottom Sand Pack (ft,bgs)	5.5	5.5	5.5	5.5	5.5	5	5.5	6	5.5	5.5
Bottom of Piezometer (ft,bgs)	5	5	5	5	5	4.5	5	5.5	5	5
Top of Piezometer (ft,bgs)	4.5	4.5	4.5	4.5	4.5	4	4.5	5	4.5	4.5
Top of Sand Pack (ft,bgs)	4	4	4.2	4	4	3.5	4	4.5	4	4
Three Casing Volumes (Liters)	0.14	0.23	0.14	0.14	0.14	0.13	0.14	0.16	0.14	0.14

Notes: AG = Above Ground CA = Coarse Aquarium Sand CB = Christy Box
HB = Hydrated Bentonite HSA = Hollow Stem Auger MA = Medium Aquarium Sand
NA = Not Applicable SS = Stainless Steel

SVMW Number	38	39	MW-2	MW-3	MW-3 (cont'd)	MW-4	MW-4 (cont'd)	MW-5	MW-5 (cont'd)
Date Installed	12/23/93	01/06/94	10/12/93	01/18/93		12/18/92		05/03/94	
Number of Boring Attempts	1	1	1	1		1		1	
Total Borehole Depth Obtained (ft,bgs)	30.5	40.25	331	367		356		325	
Borehole Diameter (inches)	8	8	10.5	10.5		10.5		10.5	
Drilling/Installation Method	HSA	HSA	Stradex	Stradex		Stradex		Stradex	
No. of Piezometers Installed	3	3	3	4		4		4	
Date Piezometers Installed	12/23/93	01/06/94	10/22/93	01/18/93		01/08/93		05/08/94	
Type of Surface Completion	CB	CB	CB	CB		CB		CB	
Type of Petcock	PVC	PVC	PVC	PVC		PVC		PVC	
Access Tubing Material	SS	SS	SS	SS		SS		SS	
Access Tubing Inside Diameter (inches)	0.25	0.25	0.25	0.25		0.25		0.25	
Vapor Piezometer Material	PVC	PVC	PVC	PVC		PVC		PVC	
Piezometer Slot Size (inches)	0.02	0.02	0.02	0.02		0.02		0.02	
Vapor Piezometer Inside Diameter (inches)	0.5	0.5	0.5	0.5		0.5		0.5	
Type of Sand used	MA	MA	CA	CA		CA		CA	
Type of Seal used	HB	HB	HB	HB		HB		HB	
Deep Completion Details:				Deep		Deep		Deep	
Bottom Sand Pack (ft,bgs)	30.5	40.25	238	197.5		230		255	
Bottom of Piezometer (ft,bgs)	30	39.5	234	193		224		249.5	
Top of Piezometer (ft,bgs)	29.5	39	232	191		222		249	
Top of Sand Pack (ft,bgs)	29	38.5	228	188		220		245	
Three Casing Volumes (Liters)	0.86	1.14	6.74	5.56		6.45		7.19	
Intermediate Completion Details:				Deep-Int	Shallow-Int	Deep-Int	Shallow-Int	Deep-Int	Shallow-Int
Bottom Sand Pack (ft,bgs)	20.5	20.5	170	144.5	97	164	104.7	194.5	122.5
Bottom of Piezometer (ft,bgs)	20	20	167	140.5	93	159.5	100.5	188.5	116.5
Top of Piezometer (ft,bgs)	19.5	19.5	165	138.5	91	157.5	98.5	188	116
Top of Sand Pack (ft,bgs)	19	19	160	135	87	153.8	95	184.5	112.5
Three Casing Volumes (Liters)	0.58	0.58	4.81	4.05	2.68	4.59	2.89	5.43	3.36
Shallow Completion Details:								MW-5:Shallow	
Bottom Sand Pack (ft,bgs)	5.5	5.5	86	41.5		42.5		50.5	
Bottom of Piezometer (ft,bgs)	5	5	82	37		38		44.5	
Top of Piezometer (ft,bgs)	4.5	4.5	80	35		36		44	
Top of Sand Pack (ft,bgs)	4	4	76	32		32		40.5	
Three Casing Volumes (Liters)	0.14	0.14	2.36	1.07		1.09		1.28	

Notes: AG = Above Ground CA = Coarse Aquarium Sand CB = Christy Box
HB = Hydrated Bentonite HSA = Hollow Stem Auger MA = Medium Aquarium Sand
NA = Not Applicable SS = Stainless Steel

SVMW Number	IDVMW-01	IDVMW-01 (contd)	IDVMW-02	IDVMW-02 (contd)
Date Installed	05/26/94		05/12/94	
Number of Boring Attempts	1		1	
Total Borehole Depth Obtained (ft,bgs)	320		318	
Borehole Diameter (inches)	10		10	
Drilling/Installation Method	Stratex		Stratex	
No. of Piezometers Installed	5		5	
Date Piezometers Installed	06/04/94		05/20/94	
Type of Surface Completion	CB		CB	
Type of Petcock	PVC		PVC	
Access Tubing Material	SS		SS	
Access Tubing Inside Diameter (inches)	0.25		0.25	
Vapor Piezometer Material	PVC		PVC	
Piezometer Slot Size (inches)	0.02		0.02	
Vapor Piezometer Inside Diameter (inches)	0.5		0.5	
Type of Sand used	CA		CA	
Type of Seal used	HB		HB	
Deep Completion Details:	Deep	Deep-Int	Deep	Deep-Int
Bottom Sand Pack (ft,bgs)	308	258		
Bottom of Piezometer (ft,bgs)	306	256	310	248
Top of Piezometer (ft,bgs)	305	255	309	247
Top of Sand Pack (ft,bgs)	303	253.5		
Three Casing Volumes (Liters)	8.81	7.37	8.93	7.14
Intermediate Completion Details:	Deep-Int	Shallow-Int	Deep-Int	Shallow-Int
Bottom Sand Pack (ft,bgs)	203.5	165		
Bottom of Piezometer (ft,bgs)	201.5	163	190	153.5
Top of Piezometer (ft,bgs)	200.5	162	189	152.5
Top of Sand Pack (ft,bgs)	199.5	160.5		
Three Casing Volumes (Liters)	5.80	4.69	5.47	4.42
Shallow Completion Details:	Shallow		Shallow	
Bottom Sand Pack (ft,bgs)	95			
Bottom of Piezometer (ft,bgs)	93		110	
Top of Piezometer (ft,bgs)	92		109	
Top of Sand Pack (ft,bgs)	91			
Three Casing Volumes (Liters)	2.68		3.17	

Notes: AG = Above Ground CA = Coarse Aquarium Sand CB = Christy Box
HB = Hydrated Bentonite HSA = Hollow Stem Auger MA = Medium Aqu
NA = Not Applicable SS = Stainless Steel

Table 3b. AISA DZB Monitoring Well Construction Details

19-Aug-94

Well Id	MW-1		MW-2	
	depth	elevation	depth	elevation
	(ft, bgs)	(ft, msl)	(ft, bgs)	(ft, msl)
Northing	4158138.55		4158276.92	
Easting	4310479.43		4309384.40	
Ground Surface Elevation	0	557.9	0	553
Wellhead Elevation	+1.57	559.47	0.71	552.29
Borehole diameter (inches)	12.25		10.5	
Total bore hole depth	356	202	339	214
Water level at well construction	303	255	278	275
No. of Screen Intervals	1		4	
Well casing screened interval	283 to 333	275 to 225	280.5 to 330.5	272.5 to 222.5
Bottom cap	338	220	335.5	217.5
Well casing slot size (inches)	0.060		0.020	
Well casing diameter (inches)	8		4	
Well screen material	Stainless Steel		Stainless Steel	
Gravel Pack	Coarse Aquarium		No. 3	
Well casing material	Low Carbon Steel		Low Carbon Steel	
Well sealing material	Bentonite/Cement grout		Bentonite	
Dedicated pump intake	328	230	325	228
No. of vapor probes	0		3	
Depth of vapor probes	None		234, 167, and 82	319, 386, and 471
Length of vapor probes (feet)	NA		2	
Date installed	09/16/92		10/10/93	
Vapor probe material	NA		PVC	
Installation method	Mud Rotary		Stradex (Air)	

Notes: 1) ft,msl = elevation in feet referenced to mean sea level
2) ft,bgs = depth in feet below ground surface
3) NA = not applicable
4) Depth to water at well construction for MW-1 interpreted from Borehole geophysical data

Table 3b. AISA DZB Monitoring Well Construction Details

Well Id	MW-3		MW-4	
	depth	elevation	depth	elevation
	(ft, bgs)	(ft, msl)	(ft, bgs)	(ft, msl)
Northing	4159427.24		4158739.00	
Easting	4311132.42		4309519.00	
Ground Surface Elevation	0	575.7	0	557.8
Wellhead Elevation	1.2	574.5	1.13	556.67
Borehole diameter (inches)	10.5		10.5	
Total bore hole depth	367	209	356	202
Water level at well constructio	323	253	312	246
No. of Screen Intervals	5		5	
Well casing screened interval	303 to 353	273 to 223	293 to 343	265 to 215
Bottom cap	358	218	348	210
Well casing slot size (inches)	0.060		0.060	
Well casing diameter (inches)	4		4	
Well screen material	Stainless Steel		Stainless Steel	
Gravel Pack	Coarse Aquarium		Coarse Aquarium	
Well casing material	Low Carbon Steel		Low Carbon Steel	
Well sealing material	Bentonite		Bentonite	
Dedicated pump intake	334	242	339	219
No. of vapor probes	4		4	
Depth of vapor probes	193,140.5,93,and 3	383,435.5,483,and 539	224,159.5,100.5,and 38	334,398.5,457.5,and 520
Length of vapor probes (feet)	2		2	
Date installed	01/18/93		05/08/94	
Vapor probe material	PVC		PVC	
Installation method	Stradex (Air)		Stradex (Air)	

Notes: 1) ft,msl = elevation in feet referenced to mean sea level
2) ft,bgs = depth in feet below ground surface
3) NA = not applicable

Table 3b. AISA DZB Monitoring Well Construction Details

Well Id	MW-5	
	depth	elevation
	(ft, bgs)	(ft, msl)
Northing	4160449.02	
Easting	4308857.53	
Ground Surface Elevation	0	537.58
Wellhead Elevation	0.40	537.18
Borehole diameter (inches)	10.5	
Total bore hole depth	325	213
Water level at well construction	280	258
No. of Screen Intervals	5	
Well casing screened interval	267 to 317	265 to 215
Bottom cap	322	210
Well casing slot size (inches)	0.020	
Well casing diameter (inches)	4	
Well screen material	Stainless Steel	
Gravel Pack	Monterey No. 3	
Well casing material	Low Carbon Steel	
Well sealing material	Bentonite	
Dedicated pump intake	310	228
No. of vapor probes	4	
Depth of vapor probes	251,190.5,118.5,and 46.5	286.5,347,419,and 491
Length of vapor probes (feet)	2	
Date installed	05/08/93	
Vapor probe material	PVC	
Installation method	Stradex (Air)	

Notes: 1) ft,msl = elevation in feet referenced to mean sea level
2) ft,bgs = depth in feet below ground surface
3) NA = not applicable

Table 4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane	1,2,4-Tri-chloro-benzene
SZB-01	2.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-01	7.50	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-02	5.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-02	19.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	5.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	7.75	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	14.75	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-04	3.75	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-04	14.50	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-06A	18.50	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-07	4.25	3/02/93	(5.0)	(5.0)	(5.0)	25.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-07	19.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-08D	10.25	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-08D	14.25	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	2.25	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	4.00	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	15.00	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	1.75	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	4.75	3/04/93	(5.0)	(5.0)	(5.0)	15.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	9.75	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	14.25	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	5.25	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	14.25	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	21.25	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-12B	5.00	12/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-12B	40.00	12/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-13	20.00	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
SZB-01	2.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-01	7.50	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-02	5.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-02	19.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	5.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	7.75	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	14.75	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-04	3.75	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-04	14.50	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-06A	18.50	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-07	4.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-07	19.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-08D	10.25	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-08D	14.25	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	2.25	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	4.00	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	15.00	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	1.75	3/04/93	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-10	4.75	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	9.75	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	14.25	3/04/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	5.25	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	14.25	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	21.25	3/05/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-12B	5.00	12/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-12B	40.00	12/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-13	20.00	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
SZB-01	2.25	3/01/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-01	7.50	3/01/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-02	5.25	3/01/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-02	19.25	3/01/93	(5.0)	(5.0)	(5.0)	10.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-03	5.25	3/02/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-03	7.75	3/02/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-03	14.75	3/02/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-04	3.75	3/04/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-04	14.50	3/04/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-06A	18.50	3/05/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-07	4.25	3/02/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-07	19.25	3/02/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-08D	10.25	3/03/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-08D	14.25	3/03/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-09	2.25	3/03/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-09	4.00	3/03/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-09	15.00	3/03/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-10	1.75	3/04/93	(5.0)	(5.0)	(5.0)	24	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-10	4.75	3/04/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-10	9.75	3/04/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-10	14.25	3/04/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-11	5.25	3/05/93	(5.0)	(5.0)	(5.0)	11.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-11	14.25	3/05/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-11	21.25	3/05/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-12B	5.00	12/29/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-12B	40.00	12/29/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-13	20.00	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
SZB-01	2.25	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-01	7.50	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-02	5.25	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-02	19.25	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-03	5.25	3/02/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-03	7.75	3/02/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-03	14.75	3/02/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-04	3.75	3/04/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-04	14.50	3/04/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-06A	18.50	3/05/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-07	4.25	3/02/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-07	19.25	3/02/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-08D	10.25	3/03/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-08D	14.25	3/03/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-09	2.25	3/03/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-09	4.00	3/03/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-09	15.00	3/03/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-10	1.75	3/04/93	TR(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-10	4.75	3/04/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-10	9.75	3/04/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-10	14.25	3/04/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-11	5.25	3/05/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-11	14.25	3/05/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-11	21.25	3/05/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-12B	5.00	12/29/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-12B	40.00	12/29/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-13	20.00	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
SZB-01	2.25	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-01	7.50	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-02	5.25	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-02	19.25	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	5.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	7.75	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-03	14.75	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-04	3.75	3/04/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-04	14.50	3/04/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-06A	18.50	3/05/93	7.1B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-07	4.25	3/02/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-07	19.25	3/02/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-08D	10.25	3/03/93	TR(5.0)B	(5.0)	(5.0)	TR(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-08D	14.25	3/03/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	2.25	3/03/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	4.00	3/03/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-09	15.00	3/03/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-10	1.75	3/04/93	8.0B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-10	4.75	3/04/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-10	9.75	3/04/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-10	14.25	3/04/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	5.25	3/05/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	14.25	3/05/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-11	21.25	3/05/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-12B	5.00	12/29/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-12B	40.00	12/29/93	TR(5.0)J	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-13	20.00	1/04/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
SZB-01	2.25	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-01	7.50	3/01/93	(5.0)	(5.0)	(10.0)	TR(5.0)
SZB-02	5.25	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-02	19.25	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-03	5.25	3/02/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-03	7.75	3/02/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-03	14.75	3/02/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-04	3.75	3/04/93	(5.0)	TR(5.0)B	(10.0)	TR(5.0)
SZB-04	14.50	3/04/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-06A	18.50	3/05/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-07	4.25	3/02/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-07	19.25	3/02/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-08D	10.25	3/03/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-08D	14.25	3/03/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-09	2.25	3/03/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-09	4.00	3/03/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-09	15.00	3/03/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-10	1.75	3/04/93	(5.0)	(5.0)	(10.0)	TR(5.0)
SZB-10	4.75	3/04/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-10	9.75	3/04/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-10	14.25	3/04/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-11	5.25	3/05/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-11	14.25	3/05/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-11	21.25	3/05/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-12B	5.00	12/29/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-12B	40.00	12/29/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-13	20.00	1/04/94	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2 trifluoroethane (Freon-113)	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene
SZB-13	30.25	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-13C	2.25	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-14	5.00	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-14	20.25	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-19	37.25	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-19A	6.00	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-20	20.50	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-20A	5.50	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	6.25	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	14.50	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	29.75	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-22	4.50	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-22	24.75	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-24	5.75	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-24A	20.75	1/07/94	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-25	5.50	1/17/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-25	19.75	1/17/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-26A	4.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-26A	19.75	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-27	5.25	1/10/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-27	20.00	1/10/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-28D	4.00	4/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-30	5.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-30A	19.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-31A	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-31B	20.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-32	5.50	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
SZB-13	30.25	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-13C	2.25	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-14	5.00	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-14	20.25	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-19	37.25	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-19A	6.00	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-20	20.50	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-20A	5.50	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	6.25	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	14.50	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	29.75	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-22	4.50	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-22	24.75	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-24	5.75	1/06/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-24A	20.75	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-25	5.50	1/17/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-25	19.75	1/17/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-26A	4.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-26A	19.75	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-27	5.25	1/10/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-27	20.00	1/10/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-28D	4.00	4/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-30	5.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-30A	19.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-31A	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-31B	20.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-32	5.50	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
SZB-13	30.25	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-13C	2.25	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-14	5.00	12/28/93	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-14	20.25	12/28/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-19	37.25	12/27/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-19A	6.00	12/27/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-20	20.50	12/27/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-20A	5.50	12/27/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-21	6.25	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-21	14.50	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-21	29.75	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-22	4.50	1/07/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-22	24.75	1/07/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-24	5.75	1/06/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-24A	20.75	1/07/94	(5.0)	(5.0)	(5.0)	190.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-25	5.50	1/17/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-25	19.75	1/17/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-26A	4.25	1/14/94	(5.0)	(5.0)	(5.0)	11.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-26A	19.75	1/14/94	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-27	5.25	1/10/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-27	20.00	1/10/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-28D	4.00	4/11/94	(5.0)	(5.0)	(5.0)	11.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-30	5.25	1/14/94	(5.0)	(5.0)	(5.0)	20.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-30A	19.25	1/14/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-31A	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-31B	20.25	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-32	5.50	1/14/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
SZB-13	30.25	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-13C	2.25	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-14	5.00	12/28/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)
SZB-14	20.25	12/28/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-19	37.25	12/27/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-19A	6.00	12/27/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-20	20.50	12/27/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-20A	5.50	12/27/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-21	6.25	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-21	14.50	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-21	29.75	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-22	4.50	1/07/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-22	24.75	1/07/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-24	5.75	1/06/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-24A	20.75	1/07/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-25	5.50	1/17/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-25	19.75	1/17/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-26A	4.25	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-26A	19.75	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-27	5.25	1/10/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-27	20.00	1/10/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-28D	4.00	4/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-30	5.25	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-30A	19.25	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-31A	5.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-31B	20.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-32	5.50	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
SZB-13	30.25	1/04/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-13C	2.25	1/04/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-14	5.00	12/28/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-14	20.25	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-19	37.25	12/27/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-19A	6.00	12/27/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-20	20.50	12/27/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-20A	5.50	12/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	6.25	1/04/94	10.0	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-21	14.50	1/04/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-21	29.75	1/04/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-22	4.50	1/07/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-22	24.75	1/07/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-24	5.75	1/06/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-24A	20.75	1/07/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-25	5.50	1/17/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-25	19.75	1/17/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-26A	4.25	1/14/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-26A	19.75	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-27	5.25	1/10/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-27	20.00	1/10/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-28D	4.00	4/11/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-30	5.25	1/14/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-30A	19.25	1/14/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-31A	5.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-31B	20.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-32	5.50	1/14/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
SZB-13	30.25	1/04/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-13C	2.25	1/04/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-14	5.00	12/28/93	(5.0)	TR(5.0)B	(10.0)	20
SZB-14	20.25	12/28/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-19	37.25	12/27/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-19A	6.00	12/27/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-20	20.50	12/27/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-20A	5.50	12/27/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-21	6.25	1/04/94	(5.0)	(5.0)	(10.0)	TR(5.0)
SZB-21	14.50	1/04/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-21	29.75	1/04/94	(5.0)	TR(5.0)B	(10.0)	(5.0)
SZB-22	4.50	1/07/94	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-22	24.75	1/07/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-24	5.75	1/06/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-24A	20.75	1/07/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-25	5.50	1/17/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-25	19.75	1/17/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-26A	4.25	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-26A	19.75	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-27	5.25	1/10/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-27	20.00	1/10/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-28D	4.00	4/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-30	5.25	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-30A	19.25	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-31A	5.25	1/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-31B	20.25	1/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-32	5.50	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Ta[illegible]4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane	1,2,4-Tri-chloro-benzene
SZB-32	20.00	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-32	35.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	20.00	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	40.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-34	9.25	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-34C	6.25	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35B	5.25	5/26/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35B	20.75	5/26/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35C	1.00	5/26/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	4.75	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	27.50	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	39.75	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-37	4.75	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-37	20.50	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-38	4.50	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-38	15.25	1/10/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-39	4.00	12/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-39A	20.25	12/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-40A	20.25	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41A	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41B	15.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41B	30.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-01	1.25	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-02	12.50	1/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-02	20.25	1/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-04	15.25	1/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
SZB-32	20.00	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-32	35.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	20.00	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	40.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-34	9.25	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-34C	6.25	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35B	5.25	5/26/94	13.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35B	20.75	5/26/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35C	1.00	5/26/94	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	4.75	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	27.50	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	39.75	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-37	4.75	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-37	20.50	12/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-38	4.50	1/07/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-38	15.25	1/10/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-39	4.00	12/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-39A	20.25	12/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-40A	20.25	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41A	5.25	1/11/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41B	15.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41B	30.25	1/11/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-01	1.25	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-02	12.50	1/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-02	20.25	1/27/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-04	15.25	1/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Ta

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
SZB-32	20.00	1/14/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-32	35.25	1/14/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-33	5.25	1/11/94	(5.0)	(5.0)	(5.0)	12.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-33	20.00	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-33	40.25	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-34	9.25	1/07/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-34C	6.25	1/07/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-35B	5.25	5/26/94	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-35B	20.75	5/26/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-35C	1.00	5/26/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-36	4.75	12/21/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-36	27.50	12/21/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-36	39.75	12/21/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-37	4.75	12/21/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-37	20.50	12/21/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-38	4.50	1/07/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-38	15.25	1/10/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-39	4.00	12/22/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-39A	20.25	12/22/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-40A	20.25	12/23/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-41A	5.25	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-41B	15.25	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SZB-41B	30.25	1/11/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-01	1.25	1/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-02	12.50	1/27/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-02	20.25	1/27/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-04	15.25	1/28/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
SZB-32	20.00	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-32	35.25	1/14/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-33	5.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-33	20.00	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-33	40.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-34	9.25	1/07/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-34C	6.25	1/07/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-35B	5.25	5/26/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-35B	20.75	5/26/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-35C	1.00	5/26/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-36	4.75	12/21/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-36	27.50	12/21/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-36	39.75	12/21/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-37	4.75	12/21/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-37	20.50	12/21/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-38	4.50	1/07/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-38	15.25	1/10/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-39	4.00	12/22/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-39A	20.25	12/22/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-40A	20.25	12/23/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-41A	5.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)
SZB-41B	15.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SZB-41B	30.25	1/11/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-01	1.25	1/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-02	12.50	1/27/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-02	20.25	1/27/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-04	15.25	1/28/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
SZB-32	20.00	1/14/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-32	35.25	1/14/94	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	5.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-33	20.00	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-33	40.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-34	9.25	1/07/94	5.3	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-34C	6.25	1/07/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35B	5.25	5/26/94	TR(5.0)B	(5.0)	TR(5.0)	TR(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35B	20.75	5/26/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-35C	1.00	5/26/94	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	4.75	12/21/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	27.50	12/21/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-36	39.75	12/21/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-37	4.75	12/21/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-37	20.50	12/21/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-38	4.50	1/07/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-38	15.25	1/10/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-39	4.00	12/22/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-39A	20.25	12/22/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-40A	20.25	12/23/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41A	5.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SZB-41B	15.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SZB-41B	30.25	1/11/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-01	1.25	1/25/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-02	12.50	1/27/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-02	20.25	1/27/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-04	15.25	1/28/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
SZB-32	20.00	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-32	35.25	1/14/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-33	5.25	1/11/94	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-33	20.00	1/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-33	40.25	1/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-34	9.25	1/07/94	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-34C	6.25	1/07/94	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-35B	5.25	5/26/94	(5.0)	(5.0)	(10.0)	TR(5.0)
SZB-35B	20.75	5/26/94	TR(5.0)	(5.0)	(10.0)	(5.0)
SZB-35C	1.00	5/26/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-36	4.75	12/21/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-36	27.50	12/21/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-36	39.75	12/21/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-37	4.75	12/21/93	(5.0)	(5.0)	(10.0)	6.2
SZB-37	20.50	12/21/93	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-38	4.50	1/07/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-38	15.25	1/10/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-39	4.00	12/22/93	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-39A	20.25	12/22/93	(5.0)	(5.0)	(10.0)	(5.0)
SZB-40A	20.25	12/23/93	(5.0)	TR(5.0)	(10.0)	(5.0)
SZB-41A	5.25	1/11/94	(5.0)	TR(5.0)	(10.0)	TR(5.0)
SZB-41B	15.25	1/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SZB-41B	30.25	1/11/94	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-01	1.25	1/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-02	12.50	1/27/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SVMW-02	20.25	1/27/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SVMW-04	15.25	1/28/93	(5.0)	TR(5.0)B	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2 trifluoroethane (Freon-113)	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene
SVMW-05C	1.25	1/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	9.25	2/26/93	(5.0)	(5.0)	(5.0)	7.2	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	14.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	26.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	30.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	25.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-11	1.25	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	1.75	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	24.00	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	28.00	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-14	7.00	1/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-14	21.25	1/26/93	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-15	2.00	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-15	27.00	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16	3.25	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	23.50	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	40.50	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-17	4.75	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-17	15.00	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-18	22.75	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-18	28.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21	4.50	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21	9.75	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21C	16.25	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
SVMW-05C	1.25	1/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	9.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	14.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	26.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	30.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	25.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-11	1.25	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	1.75	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	24.00	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	28.00	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-14	7.00	1/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-14	21.25	1/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-15	2.00	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-15	27.00	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16	3.25	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	23.50	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	40.50	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-17	4.75	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-17	15.00	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-18	22.75	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-18	28.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21	4.50	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21	9.75	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21C	16.25	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Ta[illegible]4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
SVMW-05C	1.25	1/29/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	9.25	2/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	14.25	2/26/93	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	26.25	2/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	30.25	2/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-10	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-10	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-10	25.50	2/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-11	1.25	1/22/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-13	1.75	1/25/93	(5.0)	(5.0)	(5.0)	13	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-13	24.00	1/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-13	28.00	1/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-14	7.00	1/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-14	21.25	1/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-15	2.00	1/22/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-15	27.00	1/22/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-16	3.25	2/08/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-16A	23.50	2/09/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-16A	40.50	2/09/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-17	4.75	2/08/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-17	15.00	2/08/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-18	22.75	2/26/93	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-18	28.25	2/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-21	4.50	2/09/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-21	9.75	2/09/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-21C	16.25	2/09/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
SVMW-05C	1.25	1/29/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-08	2.50	2/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	9.25	2/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	14.25	2/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	26.25	2/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	30.25	2/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-10	2.50	2/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-10	6.50	2/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-10	25.50	2/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-11	1.25	1/22/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-13	1.75	1/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-13	24.00	1/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-13	28.00	1/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-14	7.00	1/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-14	21.25	1/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-15	2.00	1/22/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-15	27.00	1/22/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-16	3.25	2/08/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	23.50	2/09/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	40.50	2/09/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-17	4.75	2/08/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-17	15.00	2/08/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-18	22.75	2/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-18	28.25	2/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-21	4.50	2/09/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-21	9.75	2/09/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-21C	16.25	2/09/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
SVMW-05C	1.25	1/29/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	9.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	14.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	26.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-08B	30.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	2.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-10	25.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-11	1.25	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-13	1.75	1/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	TR(5.0)	(5.0)
SVMW-13	24.00	1/25/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-13	28.00	1/25/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-14	7.00	1/26/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-14	21.25	1/26/93	5.4B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-15	2.00	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-15	27.00	1/22/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16	3.25	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	23.50	2/09/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-16A	40.50	2/09/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-17	4.75	2/08/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-17	15.00	2/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-18	22.75	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-18	28.25	2/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21	4.50	2/09/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21	9.75	2/09/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-21C	16.25	2/09/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
SVMW-05C	1.25	1/29/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08	2.50	2/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	9.25	2/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	14.25	2/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	26.25	2/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-08B	30.25	2/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-10	2.50	2/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-10	6.50	2/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-10	25.50	2/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-11	1.25	1/22/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-13	1.75	1/25/93	TR(5.0)	(5.0)	(10.0)	(5.0)
SVMW-13	24.00	1/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-13	28.00	1/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-14	7.00	1/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-14	21.25	1/26/93	(5.0)	TR(5.0)	(10.0)	(5.0)
SVMW-15	2.00	1/22/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-15	27.00	1/22/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-16	3.25	2/08/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-16A	23.50	2/09/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-16A	40.50	2/09/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-17	4.75	2/08/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-17	15.00	2/08/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-18	22.75	2/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-18	28.25	2/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-21	4.50	2/09/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-21	9.75	2/09/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-21C	16.25	2/09/93	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane	1,2,4-Tri-chloro-benzene
SVMW-22B	14.25	2/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	1.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-26	24.25	1/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-27	4.00	1/20/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-27	31.00	1/20/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-28A	13.50	2/11/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-29	5.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-29	19.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-30	5.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-30	29.75	1/19/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	6.75	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	10.75	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	24.25	3/01/93	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	29.00	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-33	9.75	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-33	14.75	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-34	6.75	12/31/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-34	20.50	12/31/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-35	4.75	1/03/94	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-35A	9.50	1/03/94	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-36	4.25	1/03/94	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-36	20.00	1/03/94	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-37	25.25	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-37A	4.75	12/28/93	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-38	10.25	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-38	20.00	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
SVMW-22B	14.25	2/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	1.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-26	24.25	1/26/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-27	4.00	1/20/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-27	31.00	1/20/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-28A	13.50	2/11/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-29	5.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-29	19.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-30	5.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-30	29.75	1/19/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	6.75	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	10.75	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	24.25	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	29.00	3/01/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-33	9.75	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-33	14.75	1/04/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-34	6.75	12/31/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-34	20.50	12/31/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-35	4.75	1/03/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-35A	9.50	1/03/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-36	4.25	1/03/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-36	20.00	1/03/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-37	25.25	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-37A	4.75	12/28/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-38	10.25	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-38	20.00	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
SVMW-22B	14.25	2/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-24B	1.50	2/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-24B	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-26	24.25	1/26/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-27	4.00	1/20/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-27	31.00	1/20/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-28A	13.50	2/11/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-29	5.00	1/18/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-29	19.00	1/18/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-30	5.00	1/18/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-30	29.75	1/19/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	6.75	3/01/93	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	10.75	3/01/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	24.25	3/01/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	29.00	3/01/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-33	9.75	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-33	14.75	1/04/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-34	6.75	12/31/93	(5.0)	(5.0)	(5.0)	10	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-34	20.50	12/31/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-35	4.75	1/03/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-35A	9.50	1/03/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-36	4.25	1/03/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-36	20.00	1/03/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-37	25.25	12/28/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-37A	4.75	12/28/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-38	10.25	12/23/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-38	20.00	12/23/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
SVMW-22B	14.25	2/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	1.50	2/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	6.50	2/25/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-26	24.25	1/26/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-27	4.00	1/20/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-27	31.00	1/20/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-28A	13.50	2/11/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-29	5.00	1/18/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-29	19.00	1/18/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-30	5.00	1/18/93	(5.0)	(10.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-30	29.75	1/19/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-32	6.75	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-32	10.75	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-32	24.25	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-32	29.00	3/01/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-33	9.75	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)
SVMW-33	14.75	1/04/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-34	6.75	12/31/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)
SVMW-34	20.50	12/31/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-35	4.75	1/03/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-35A	9.50	1/03/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-36	4.25	1/03/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-36	20.00	1/03/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-37	25.25	12/28/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-37A	4.75	12/28/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-38	10.25	12/23/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-38	20.00	12/23/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
SVMW-22B	14.25	2/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	1.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-24B	6.50	2/25/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-26	24.25	1/26/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-27	4.00	1/20/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)
SVMW-27	31.00	1/20/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-28A	13.50	2/11/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-29	5.00	1/18/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-29	19.00	1/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-30	5.00	1/18/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-30	29.75	1/19/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	6.75	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	10.75	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	24.25	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-32	29.00	3/01/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-33	9.75	1/04/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-33	14.75	1/04/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-34	6.75	12/31/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-34	20.50	12/31/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-35	4.75	1/03/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-35A	9.50	1/03/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-36	4.25	1/03/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-36	20.00	1/03/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-37	25.25	12/28/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-37A	4.75	12/28/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-38	10.25	12/23/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
SVMW-38	20.00	12/23/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
SVMW-22B	14.25	2/10/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-24B	1.50	2/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-24B	6.50	2/25/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-26	24.25	1/26/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-27	4.00	1/20/93	5.6	(5.0)	(10.0)	(5.0)
SVMW-27	31.00	1/20/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-28A	13.50	2/11/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-29	5.00	1/18/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-29	19.00	1/18/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-30	5.00	1/18/93	37.0	(5.0)	(10.0)	(5.0)
SVMW-30	29.75	1/19/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	6.75	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	10.75	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	24.25	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-32	29.00	3/01/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-33	9.75	1/04/94	(5.0)	(5.0)	(10.0)	5.3
SVMW-33	14.75	1/04/94	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-34	6.75	12/31/93	(5.0)	(5.0)	(10.0)	15
SVMW-34	20.50	12/31/93	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-35	4.75	1/03/94	(5.0)	TR(5.0)B	(10.0)	(5.0)
SVMW-35A	9.50	1/03/94	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-36	4.25	1/03/94	(5.0)	TR(5.0)B	(10.0)	(5.0)
SVMW-36	20.00	1/03/94	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-37	25.25	12/28/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SVMW-37A	4.75	12/28/93	(5.0)	TR(5.0)B	(10.0)	(5.0)
SVMW-38	10.25	12/23/93	(5.0)	(5.0)	(10.0)	TR(5.0)
SVMW-38	20.00	12/23/93	(5.0)	(5.0)	(10.0)	TR(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Ta[illegible]

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane	1,2,4-Tri-chloro-benzene
SVMW-39	5.25	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-39	19.75	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-39	36.50	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	6.75	9/16/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	58.25	10/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	58.50	10/09/93	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)
MW-04B	16.50	3/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04B	20.25	3/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04B	25.25	3/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	115.00	4/25/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	195.25	4/27/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	255.50	4/27/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	.70	9/04/92	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	1.50	9/04/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	2.40	9/04/92	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	TR(5.0)
DG-1-NSS-02	.20	9/03/92	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	1.00	9/24/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	2.20	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	.20	9/03/92	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)
DG-1-NSS-03	1.00	9/03/92	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	2.00	9/03/92	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	2.20	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	3.20	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	TR(5.0)B
DG-1-NSS-04	4.10	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
SVMW-39	5.25	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-39	19.75	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-39	36.50	1/06/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	6.75	9/16/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	58.25	10/08/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	58.50	10/09/93	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)
MW-04B	16.50	3/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04B	20.25	3/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04B	25.25	3/18/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	115.00	4/25/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	195.25	4/27/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	255.50	4/27/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	.70	9/04/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	1.50	9/04/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	2.40	9/04/92	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	.20	9/03/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	1.00	9/24/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	2.20	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	.20	9/03/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	1.00	9/03/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	2.00	9/03/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	2.20	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	3.20	9/15/92	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)
DG-1-NSS-04	4.10	9/15/92	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 4

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
SVMW-39	5.25	1/06/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-39	19.75	1/06/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-39	36.50	1/06/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-01	6.75	9/16/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-02	58.25	10/08/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-02	58.50	10/09/93	(25.0)	(25.0)	(25.0)	(50.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(50.0)	(25.0)
MW-04B	16.50	3/18/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-04B	20.25	3/18/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-04B	25.25	3/18/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	115.00	4/25/94	(5.0)	(5.0)	(5.0)	11.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	195.25	4/27/94	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	255.50	4/27/94	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-01	.70	9/04/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-01	1.50	9/04/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-01	2.40	9/04/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-02	.20	9/03/92	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-02	1.00	9/24/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-02	2.20	9/15/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-03	.20	9/03/92	(5.0)	(5.0)	(5.0)	11.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-03	1.00	9/03/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-03	2.00	9/03/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-04	2.20	9/15/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-04	3.20	9/15/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-04	4.10	9/15/92	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-01	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-01	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-01	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
SVMW-39	5.25	1/06/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-39	19.75	1/06/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
SVMW-39	36.50	1/06/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-01	6.75	9/16/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-02	58.25	10/08/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-02	58.50	10/09/93	(25.0)	(50.0)	(25.0)	(50.0)	(25.0)	(25.0)	(25.0)	(50.0)	(25.0)	(25.0)	(25.0)
MW-04B	16.50	3/18/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-04B	20.25	3/18/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)
MW-04B	25.25	3/18/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-05	115.00	4/25/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-05	195.25	4/27/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-05	255.50	4/27/94	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	.70	9/04/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	1.50	9/04/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	2.40	9/04/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	TR(5.0)	(5.0)
DG-1-NSS-02	.20	9/03/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	1.00	9/24/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	2.20	9/15/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	.20	9/03/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	1.00	9/03/92	TR(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	2.00	9/03/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	2.20	9/15/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	3.20	9/15/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	4.10	9/15/92	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	1.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	2.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	3.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tabl

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
SVMW-39	5.25	1/06/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-39	19.75	1/06/94	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-39	36.50	1/06/94	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
MW-01	6.75	9/16/92	11.0	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	58.25	10/08/93	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	58.50	10/09/93	TR(25.0)	(25.0)	(25.0)	1300	(1000.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)	(25.0)
MW-04B	16.50	3/18/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04B	20.25	3/18/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04B	25.25	3/18/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	115.00	4/25/94	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	195.25	4/27/94	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	255.50	4/27/94	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	.70	9/04/92	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	1.50	9/04/92	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-01	2.40	9/04/92	TR(5.0)B	(5.0)	(5.0)	TR(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	.20	9/03/92	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	1.00	9/24/92	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-02	2.20	9/15/92	9.9	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	.20	9/03/92	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-03	1.00	9/03/92	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)
DG-1-NSS-03	2.00	9/03/92	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	2.20	9/15/92	10.0	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	3.20	9/15/92	9.9	(5.0)	TR(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-1-NSS-04	4.10	9/15/92	10.0	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	1.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	2.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-01	3.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
SVMW-39	5.25	1/06/94	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-39	19.75	1/06/94	(5.0)	(5.0)	(10.0)	(5.0)
SVMW-39	36.50	1/06/94	(5.0)	TR(5.0)	(10.0)	(5.0)
MW-01	6.75	9/16/92	(5.0)	(5.0)	(10.0)	(5.0)
MW-02	58.25	10/08/93	(5.0)	(5.0)	(10.0)	(5.0)
MW-02	58.50	10/09/93	(25.0)	(25.0)	(50.0)	(25.0)
MW-04B	16.50	3/18/93	(5.0)	(5.0)	(10.0)	(5.0)
MW-04B	20.25	3/18/93	(5.0)	(5.0)	(10.0)	(5.0)
MW-04B	25.25	3/18/93	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	115.00	4/25/94	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	195.25	4/27/94	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	255.50	4/27/94	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-01	.70	9/04/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-01	1.50	9/04/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-01	2.40	9/04/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-02	.20	9/03/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-02	1.00	9/24/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-02	2.20	9/15/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-03	.20	9/03/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-03	1.00	9/03/92	TR(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-03	2.00	9/03/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-04	2.20	9/15/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-04	3.20	9/15/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-1-NSS-04	4.10	9/15/92	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-01	1.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-01	2.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-01	3.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1,2-Trichloro-1,2,2 trifluoroethane (Freon-113)	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1-Dichloropropene	1,2,3-Trichlorobenzene	1,2,3-Trichloropropane	1,2,4-Trichlorobenzene
DG-3-NSS-02	1.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	2.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	3.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene
DG-3-NSS-02	1.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	2.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	3.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Tab

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane	Bromoform	Bromo-methane	Carbon tetra-chloride
DG-3-NSS-02	1.50	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-02	2.50	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-02	3.50	6/10/93	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-03	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-03	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-03	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-04	1.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-04	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-04	3.00	6/10/93	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene
DG-3-NSS-02	1.50	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	2.50	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	3.50	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	1.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	2.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	3.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	1.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	2.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	3.00	6/10/93	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 7

AISA Site Assessment

EPA Method 8240

Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene
DG-3-NSS-02	1.50	6/10/93	TR(5.0)B	(5.0)	(5.0)	TR(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	2.50	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-02	3.50	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	1.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	2.00	6/10/93	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-03	3.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	1.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	2.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
DG-3-NSS-04	3.00	6/10/93	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in micrograms per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

B = Constituent was present in the associated method blank.

Table 4
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
DG-3-NSS-02	1.50	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-02	2.50	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-02	3.50	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-03	1.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-03	2.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-03	3.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-04	1.00	6/10/93	TR(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-04	2.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)
DG-3-NSS-04	3.00	6/10/93	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-08	14.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-09	2.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-09	4.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-08	14.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-09	2.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-09	4.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-08	14.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	2.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	4.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
SZB-08	14.25	3/03/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	2.25	3/03/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	4.00	3/03/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-08	14.25	3/03/93	0.46	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	2.25	3/03/93	0.50	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	4.00	3/03/93	0.40	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-08	14.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-09	2.25	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-09	4.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram. R = Result Rejected.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
SZB-01	2.00	3/01/93	(0.33)	(0.33)	(0.33)
SZB-01	7.50	3/01/93	(0.33)	(0.33)	(0.33)
SZB-02	5.25	3/01/93	(0.33)	(0.33)	(0.33)
SZB-02	20.25	3/01/93	(0.33)	(0.33)	(0.33)
SZB-03	5.25	3/02/93	(0.33)	(0.33)	(0.33)
SZB-03	7.50	3/02/93	(0.33)	(0.33)	(0.33)
SZB-03	14.75	3/02/93	(0.33)	(0.33)	(0.33)
SZB-04	3.75	3/04/93	(0.33)	(0.33)	(0.33)
SZB-04	14.50	3/04/93	(0.33)	(0.33)	(0.33)
SZB-06A	5.00	3/05/93	(0.33)	(0.33)	(0.33)
SZB-06A	18.25	3/05/93	(0.33)	(0.33)	(0.33)
SZB-07	4.00	3/02/93	(0.33)	(0.33)	(0.33)
SZB-07	19.00	3/02/93	(0.33)	(0.33)	TR(0.33)
SZB-08	10.25	3/03/93	(0.33)	(0.33)	(0.33)
SZB-08	14.25	3/03/93	(0.33)	(0.33)	(0.33)
SZB-09	2.25	3/03/93	(0.33)	(0.33)	(0.33)
SZB-09	4.00	3/03/93	(0.33)	(0.33)	(0.33)
SZB-09	15.00	3/03/93	(0.33)	(0.33)	(0.33)
SZB-10	1.75	3/04/93	(0.33)	(0.33)	(0.33)
SZB-10	4.75	3/04/93	(0.33)	(0.33)	(0.33)
SZB-10	9.75	3/04/93	(0.33)	(0.33)	(0.33)
SZB-10	14.25	3/04/93	(0.33)	(0.33)	(0.33)
SZB-11	5.25	3/05/93	(0.33)	(0.33)	(0.33)
SZB-11	14.00	3/05/93	(0.33)	(0.33)	(0.33)
SZB-11	21.00	3/05/93	(0.33)	(0.33)	(0.33)
SZB-05E	1.00	4/11/94	(0.33)	(0.33)	(0.33)
SZB-12B	5.00	12/29/93	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram. R = Result Rejected.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
SZB-12B	40.00	12/29/93	(0.33)	(0.33)	(0.33)
SZB-13	20.00	1/04/94	(0.33)	(0.33)	(0.33)
SZB-13	30.25	1/04/94	(0.33)	(0.33)	(0.33)
SZB-13C	2.25	1/04/94	(0.33)	(0.33)	(0.33)
SZB-14	5.00	12/28/93	(0.33)	(0.33)	(0.33)
SZB-14	20.25	12/28/93	(0.33)	(0.33)	(0.33)
SZB-19	37.25	12/27/93	(0.33)	(0.33)	(0.33)
SZB-19A	6.00	12/27/93	(0.33)	(0.33)	(0.33)
SZB-20	20.50	12/27/93	(0.33)	(0.33)	(0.33)
SZB-20A	5.50	12/27/93	(0.33)	(0.33)	(0.33)
SZB-24	5.75	1/06/94	(0.33)	(0.33)	(0.33)
SZB-24A	20.75	1/07/94	(0.33)	(0.33)	(0.33)
SZB-25	5.50	1/17/94	(0.33)	(0.33)	(0.33)
SZB-25	19.75	1/17/94	(0.33)	(0.33)	(0.33)
SZB-26A	4.25	1/14/94	(0.33)	(0.33)	(0.33)
SZB-26A	19.75	1/14/94	(0.33)	(0.33)	(0.33)
SZB-27	5.25	1/10/94	(0.33)	(0.33)	(0.33)
SZB-27	20.00	1/10/94	(0.33)	(0.33)	(0.33)
SZB-28D	4.00	4/11/94	(0.33)	(0.33)	(0.33)
SZB-28D	23.25	4/11/94	(0.33)	(0.33)	(0.33)
SZB-28D	34.50	4/12/94	(0.33)	(0.33)	(0.33)
SZB-30	5.25	1/14/94	(0.33)	(0.33)	(0.33)
SZB-30A	19.25	1/14/94	(0.33)	(0.33)	(0.33)
SZB-31A	5.25	1/11/94	(0.33)	(0.33)	(0.33)
SZB-31B	20.25	1/11/94	(0.33)	(0.33)	(0.33)
SZB-32	5.50	1/14/94	(0.33)	(0.33)	(0.33)
SZB-32	20.00	1/14/94	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-33	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	0.83	(0.33)	TR(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)	(0.66)	(3.4)	(0.66)	(0.66)	(0.66)	(3.4)	(0.66)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-33	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(3.3)	(8.5)	(1.6)	(8.5)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)	(0.66)	(3.4)	(0.66)	(1.3)	(3.4)	(0.66)	(3.4)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(3.3)	(8.5)	(1.6)	(8.5)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-33	5.25	1/11/94	(1.6)	(1.6)	(1.6)		(8.5)	(8.5)	(1.6)	(1.6)	TR(1.6)	(1.6)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)		(3.4)	(3.4)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)		(8.5)	(8.5)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-33	5.25	1/11/94	TR(1.6)	TR(1.6)	(1.6)	(8.5)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)	(3.4)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(8.5)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-33	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)R	(0.33)
SZB-33	5.25	1/11/94	(1.6)	TR(1.6)	(1.6)	(1.6)	(1.6)		(1.6)	(1.6)	(1.6)	(8.5)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)	(0.66)	(0.66)		(0.66)	(0.66)	(0.66)	(3.4)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	TR(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)	(1.6)	(1.6)		(1.6)	(1.6)	(1.6)	(8.5)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram. R = Result Rejected.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
SZB-32	35.25	1/14/94	(0.33)	(0.33)	(0.33)
SZB-33	5.25	1/11/94	(1.6)	(1.6)	(1.6)
SZB-33	20.00	1/11/94	(0.33)	(0.33)	(0.33)
SZB-33	40.25	1/11/94	(0.33)	(0.33)	(0.33)
SZB-34	9.25	1/07/94	(0.33)	(0.33)	(0.33)
SZB-34C	6.25	1/07/94	(0.33)	(0.33)	(0.33)
SZB-34D	26.26	4/22/94	(0.33)	(0.33)	(0.33)
SZB-34D	37.00	4/22/94	(0.33)	(0.33)	(0.33)
SZB-35B	5.25	5/26/94	(0.66)	(0.66)	(0.66)
SZB-35B	20.75	5/26/94	(0.33)	(0.33)	(0.33)
SZB-35C	1.00	5/26/94	(0.33)	(0.33)	(0.33)
SZB-36	4.75	12/21/93	(0.33)	(0.33)	(0.33)
SZB-36	27.50	12/21/93	(0.33)	(0.33)	(0.33)
SZB-36	39.75	12/21/93	(0.33)	(0.33)	(0.33)
SZB-37	4.75	12/21/93	(0.33)	(0.33)	(0.33)
SZB-37	20.50	12/21/93	(0.33)	(0.33)	(0.33)
SZB-38	4.50	1/07/94	(0.33)	(0.33)	(0.33)
SZB-38	15.25	1/10/94	(0.33)	(0.33)	(0.33)
SZB-39	4.00	12/22/93	(0.33)	(0.33)	(0.33)
SZB-39A	20.25	12/22/93	(0.33)	(0.33)	(0.33)
SZB-40A	20.25	12/23/93	(0.33)	(0.33)	(0.33)
SZB-41A	5.25	1/11/94	(1.6)	(1.6)	(1.6)
SZB-41B	15.25	1/11/94	(0.33)	(0.33)	(0.33)
SZB-41B	30.25	1/11/94	(0.33)	(0.33)	(0.33)
SVMW-01	1.25	1/25/93	(0.33)	(0.33)	(0.33)
SVMW-01D	15.00	4/24/94	(0.33)	(0.33)	(0.33)
SVMW-01D	30.00	4/24/94	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-04	15.00	1/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-05C	1.25	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-04	15.00	1/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-05C	1.25	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-04	15.00	1/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05C	1.25	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-04	15.00	1/28/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05C	1.25	1/29/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-04	15.00	1/28/93	0.62	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05C	1.25	1/29/93	0.81	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-04	15.00	1/28/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-05C	1.25	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram. R = Result Rejected.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
SVMW-02	5.25	1/27/93	(0.33)	(0.33)	(0.33)
SVMW-02	12.25	1/27/93	(0.33)	(0.33)	(0.33)
SVMW-02	31.25	1/27/93	(0.33)	(0.33)	(0.33)
SVMW-04	15.00	1/28/93	(0.33)	(0.33)	(0.33)
SVMW-05C	1.25	1/29/93	(0.33)	(0.33)	(0.33)
SVMW-05C	5.75	1/29/93	(0.33)	(0.33)	(0.33)
SVMW-05D	20.25	4/11/94	(0.33)	(0.33)	(0.33)
SVMW-05D	42.00	4/14/94	(0.33)	(0.33)	(0.33)
SVMW-14	6.50	1/26/93	(0.33)	(0.33)	(0.33)
SVMW-14	21.00	1/26/93	(0.33)	(0.33)	(0.33)
SVMW-15	1.75	1/22/93	(0.33)	(0.33)	(0.33)
SVMW-15	27.00	1/22/93	(0.33)	(0.33)	(0.33)
SVMW-16	3.00	2/08/93	(0.33)	(0.33)	(0.33)
SVMW-16A	23.25	2/09/93	(0.33)	(0.33)	(0.33)
SVMW-16A	40.25	2/09/93	(0.33)	(0.33)	(0.33)
SVMW-17	4.75	2/08/93	(0.33)	(0.33)	(0.33)
SVMW-17	15.00	2/08/93	(0.33)	(0.33)	(0.33)
SVMW-21	4.25	2/09/93	(0.33)	(0.33)	(0.33)
SVMW-21	10.00	2/09/93	(0.33)	(0.33)	(0.33)
SVMW-21C	16.00	2/09/93	(0.33)	(0.33)	(0.33)
SVMW-22B	14.00	2/10/93	(0.33)	(0.33)	(0.33)
SVMW-24B	1.50	2/25/93	(0.33)	(0.33)	(0.33)
SVMW-24B	6.50	2/25/93	(0.33)	(0.33)	(0.33)
SVMW-24B	10.50	2/25/93	(0.33)	(0.33)	(0.33)
SVMW-26	10.00	1/26/93	(0.33)	(0.33)	(0.33)
SVMW-26	24.00	1/26/93	(0.33)	(0.33)	(0.33)
SVMW-27	3.75	1/20/93	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-28A	13.50	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-29	4.50	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-28A	13.50	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-29	4.50	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-28A	13.50	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-29	4.50	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-28A	13.50	2/11/93	TR(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
SVMW-29	4.50	1/18/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-28A	13.50	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-29	4.50	1/18/93	(0.33)	TR(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-28A	13.50	2/11/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	TR(0.33)
SVMW-29	4.50	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram. R = Result Rejected.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
SVMW-27	30.75	1/20/93	(0.33)	(0.33)	(0.33)
SVMW-28A	1.00	2/11/93	(0.33)	(0.33)	(0.33)
SVMW-28A	13.50	2/11/93	(0.33)	TR(0.33)	(0.33)
SVMW-29	4.50	1/18/93	(0.33)	(0.33)	(0.33)
SVMW-29	18.75	1/18/93	(0.33)	(0.33)	(0.33)
SVMW-30	4.75	1/18/93	(0.33)	(0.33)	(0.33)
SVMW-30	29.75	1/19/93	(0.33)	(0.33)	(0.33)
SVMW-33	9.75	1/04/94	(0.33)	(0.33)	(0.33)
SVMW-33	14.75	1/04/94	(0.33)	(0.33)	(0.33)
SVMW-34	6.75	12/31/93	(0.33)	(0.33)	(0.33)
SVMW-34	20.50	12/31/93	(0.33)	(0.33)	(0.33)
SVMW-35	4.75	1/03/94	(0.33)	(0.33)	(0.33)
SVMW-35A	9.50	1/03/94	(0.33)	(0.33)	(0.33)
SVMW-35D	20.00	4/11/94	(0.33)	(0.33)	(0.33)
SVMW-35D	34.25	4/11/94	(0.33)	(0.33)	(0.33)
SVMW-36	4.25	1/03/94	(0.33)	(0.33)	(0.33)
SVMW-36	20.00	1/03/94	(0.33)	(0.33)	(0.33)
SVMW-37	25.25	12/28/93	(0.33)	(0.33)	(0.33)
SVMW-37A	4.75	12/28/93	(0.33)	(0.33)	(0.33)
SVMW-38	10.25	12/23/93	(0.33)	(0.33)	(0.33)
SVMW-38	20.00	12/23/93	(0.33)	(0.33)	(0.33)
SVMW-39	5.25	1/06/94	(0.33)	(0.33)	(0.33)
SVMW-39	19.75	1/06/94	(0.33)	(0.33)	(0.33)
SVMW-39	36.25	1/06/94	(0.33)	(0.33)	(0.33)
IDVMW-02		6/07/94	(0.33)	(0.33)	(0.33)
MW-01	6.75	9/16/92	(0.33)	(0.33)	(0.33)
MW-01	15.50	9/23/92	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-02	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	2.9	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)	(0.33)	(1.7)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-02	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)		(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	1.00	8/31/92	TR(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	2.0	(0.33)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	TR(0.33)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	0.44	(0.33)	(1.7)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-02	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram. R = Result Rejected.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
MW-02	58.25	10/08/93	(0.33)	(0.33)	(0.33)
MW-02	58.50	10/09/93	(0.33)	(0.33)	(0.33)
MW-03	36.00	1/09/93	(0.33)	(0.33)	(0.33)
MW-03	56.50	1/10/93	(0.33)	(0.33)	(0.33)
MW-04B	16.50	3/18/93	(0.33)	TR(0.33)	(0.33)
MW-04B	25.25	3/18/93	(0.33)	(0.33)	(0.33)
MW-05	35.25	4/24/94	(0.33)	(0.33)	(0.33)
MW-05	55.00	4/24/94	(0.33)	(0.33)	(0.33)
MW-05	115.25	4/25/94	(0.33)	(0.33)	(0.33)
MW-05	195.25	4/27/94	(0.33)	(0.33)	(0.33)
MW-05	255.50	4/27/94	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	.70	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	1.50	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-01	2.40	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	.20	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-02	1.00	8/31/92	(0.33)	TR(0.33)	(0.33)
DG-1-NSS-02	2.20	9/15/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	.20	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	1.00	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-03	2.00	8/31/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	2.20	9/15/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	3.20	9/15/92	(0.33)	(0.33)	(0.33)
DG-1-NSS-04	4.10	9/15/92	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	1.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	2.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-01	3.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	1.50	6/10/93	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene	2,6,Di-nitro-toluene
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.66)	(1.7)		(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Methyl-phenol	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5

AISA Site Assessment

EPA Method 8270

Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in milligrams per kilogram.

TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)	(0.33)		(0.33)	(0.33)	(0.33)	(0.33)	(1.7)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram. R = Result Rejected.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 5
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Phenol	Pyrene	Xylidine (total)
DG-3-NSS-02	2.50	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-02	3.50	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	1.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	2.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-03	3.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	1.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	2.00	6/10/93	(0.33)	(0.33)	(0.33)
DG-3-NSS-04	3.00	6/10/93	(0.33)	(0.33)	(0.33)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury
SZB-01	2.00	3/01/93	7600.0	13.2	62.0	(5.0)	TR(10.0)J	17.0	(20.0)	238.0	(0.10)
SZB-02	5.25	3/01/93	5460.0	TR(0.50)	TR(50.0)	(5.0)	TR(10.0)J	TR(10.0)	(20.0)	235.0	(0.10)
SZB-03	5.25	3/02/93	6830.0	4.4	94.0	(5.0)	11.7J	13.0	(20.0)	219.0	(0.10)
SZB-04	3.75	3/04/93	5130.0	2.1B	TR(50.0)	(5.0)	(10.0)UJ	TR(10.0)J	(20.0)	182.0J	(0.10)
SZB-05E	1.00	4/11/94	7170.0	47.2	67.0	(5.0)	23.4J	31.0J	(20.0)	298.0	0.54
SZB-06A	5.00	3/05/93	3360.0	13.4B	55.0	(5.0)	(10.0)UJ	11.0	(20.0)	138.0J	(0.10)
SZB-07	4.00	3/02/93	6020.0	26.5	61.0	(5.0)	TR(10.0)J	11.0	(20.0)	128.0J	(0.10)
SZB-08D	10.25	3/03/93	3570.0	2.5	TR(50.0)	(5.0)	(10.0)UJ	TR(10.0)	(20.0)	120.0J	(0.10)
SZB-09	2.25	3/03/93	8100.0	4.4	62.0	(5.0)	TR(10.0)J	27.0	(20.0)	276.0	(0.10)
SZB-10	1.75	3/04/93	7510.0	4.8B	68.0	(5.0)	TR(10.0)J	18.0	(20.0)	215.0	0.13
SZB-11	5.25	3/05/93	3820.0	3.2B	118	9.1	28.1J	13.0	(20.0)	266.0	(0.10)
SZB-12B	15.00	12/29/93	4480.0	2.6	127.0	(5.0)UJ	10.6J	14.0	(20.0)	342.0	TR(0.10)
SZB-13	4.50	1/04/94	4640.0	2.7J	57.0J	(5.0)UJ	TR(10.0)J	27.0	(20.0)	246.0	(0.10)
SZB-14S	10.00	12/28/93	4170.0	6.9	73.0	(5.0)UJ	39.1J	33.0	(20.0)	346.0	(0.10)
SZB-19A	5.75	12/27/93	3450.0	2.0	TR(50.0)	(5.0)UJ	TR(10.0)J	11.0	(20.0)	146.0J	(0.10)
SZB-20A	5.25	12/27/93	3460.0	1.4	54.0	(5.0)UJ	TR(10.0)J	10.0	(20.0)	328.0	(0.10)
SZB-21	6.00	1/04/94	6190.0	3.0J	80.0J	(5.0)UJ	34.3J	22.0	21.0	288.0	(0.10)
SZB-22	4.25	1/07/94	3740.0	1.8J	118.0	(5.0)	16.2J	15.0	(20.0)	163.0J	(0.10)
SZB-24	5.50	1/06/94	4150.0	1.9	70.0	(5.0)UJ	13.3J	14.0	(20.0)	212.0J	(0.10)
SZB-25	5.25	1/17/94	9650.0	0.97	109.0	(5.0)	10.1J	52.0	(20.0)	239.0	(0.10)
SZB-25	19.75	1/17/94	4480.0	13.0	58.0	(5.0)	(10.0)	17.0	(20.0)	150.0J	(0.10)
SZB-26A	4.00	1/14/94	6610.0	2.7	65.0	(5.0)	10.1J	20.0	(20.0)	196.0J	(0.10)
SZB-27	5.00	1/10/94	6030.0	34.2J	89.0	(5.0)	17.2J	20.0	(20.0)	263.0	(0.10)
SZB-28D	4.00	4/11/94	8490.0	5.0	57.0	(5.0)	20.4J	32.0J	(20.0)	254.0	(0.10)
SZB-30	5.00	1/14/94	10500.0	6.8	152.0	(5.0)	19.1J	20.0	(20.0)	265.0	(0.10)
SZB-31A	5.00	1/11/94	5760.0	2.0	51.0	(5.0)	10.6J	10.0	(20.0)	214.0J	TR(0.10)
SZB-32	6.00	1/14/94	6990.0	1.2	64.0	(5.0)	(10.0)	15.0	(20.0)	234.0	(0.10)
SZB-33	5.00	1/11/94	4790.0	7.2	56.0	(5.0)	47.0J	13.0	(20.0)	196.0J	0.48
SZB-34B	4.75	1/07/94	3880.0	1.2J	50.0	(5.0)	13.4J	TR(10.0)	(20.0)	157.0J	(0.10)
SZB-35C	1.25	5/26/94	7390.0	3.2	71.0	(5.0)	(10.0)	15.0	(20.0)	176.0J	TR(0.10)J
SZB-36	4.50	12/21/93	4020.0	4.1	TR(50.0)	(5.0)UJ	TR(10.0)J	41.0	(20.0)	187.0J	(0.10)
SZB-37	4.50	12/21/93	6340.0	2.3	114.0	(5.0)UJ	TR(10.0)J	19.0	(20.0)	226.0	TR(0.10)

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Nickel	Zinc
SZB-01	2.00	3/01/93	(10.0)	36.6
SZB-02	5.25	3/01/93	(10.0)	32.4
SZB-03	5.25	3/02/93	(10.0)	33.8
SZB-04	3.75	3/04/93	(10.0)	25.4
SZB-05E	1.00	4/11/94	20.0	64.5
SZB-06A	5.00	3/05/93	TR(10.0)	19.6
SZB-07	4.00	3/02/93	(10.0)	24.6
SZB-08D	10.25	3/03/93	(10.0)	14.1
SZB-09	2.25	3/03/93	(10.0)	34.3
SZB-10	1.75	3/04/93	(10.0)	36.5
SZB-11	5.25	3/05/93	17.0	35.4
SZB-12B	15.00	12/29/93	TR(10.0)	36.9
SZB-13	4.50	1/04/94	108.0	48.8
SZB-14S	10.00	12/28/93	27.0	35.6
SZB-19A	5.75	12/27/93	(10.0)	21.0
SZB-20A	5.25	12/27/93	(10.0)	26.2
SZB-21	6.00	1/04/94	11.0	150.0
SZB-22	4.25	1/07/94	TR(10.0)	36.0
SZB-24	5.50	1/06/94	TR(10.0)	29.2
SZB-25	5.25	1/17/94	22.0	50.5
SZB-25	19.75	1/17/94	TR(10.0)	23.6
SZB-26A	4.00	1/14/94	TR(10.0)	34.3
SZB-27	5.00	1/10/94	TR(10.0)	46.8
SZB-28D	4.00	4/11/94	29.0	47.0
SZB-30	5.00	1/14/94	18.0	66.0
SZB-31A	5.00	1/11/94	11.0J	42.2
SZB-32	6.00	1/14/94	TR(10.0)	42.5
SZB-33	5.00	1/11/94	100.0J	53.8
SZB-34B	4.75	1/07/94	TR(10.0)	27.1
SZB-35C	1.25	5/26/94	TR(10.0)	40.0
SZB-36	4.50	12/21/93	10.0	39.7
SZB-37	4.50	12/21/93	(10.0)	30.9

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury
SZB-38	4.75	1/07/94	9850.0	3.8J	122.0	(5.0)	22.3J	20.0	(20.0)	323.0	TR(0.10)
SZB-39A	4.50	12/22/93	6160.0	4.1	93.0	(5.0)UJ	12.3J	11.0	(20.0)	323.0	TR(0.10)
SZB-41A	5.00	1/11/94	8930.0	5.7	133.0	(5.0)	24.7J	28.0	(20.0)	324.0J	TR(0.10)
SVMW-01	1.25	1/25/93	5040.0	4.7	76.0	(5.0)	TR(10.0)J	18.0	(20.0)	202.0	(0.10)
SVMW-02	5.25	1/27/93	4050.0	1.1	63.0	(5.0)	(10.0)UJ	TR(10.0)	(20.0)	203.0	(0.10)
SVMW-04	15.00	1/28/93	4260.0	1.8	52.0	(5.0)	15.1J	TR(10.0)J	(20.0)	180.0J	(0.10)
SVMW-05C	1.25	1/29/93	7720.0	2.8	71.0	(5.0)	12.1J	16.0	(20.0)	305.0	(0.10)
SVMW-06	6.50	1/29/93	7930.0	3.8	89.0	TR(5.0)	34.8J	21.0	38.0	302.0	(0.10)
SVMW-11	1.50	1/22/93							15.7		
SVMW-11D	2.25	4/20/94	10700.0	13.6	138.0	(5.0)	28.9J	57.0	(20.0)	389.0	TR(0.10)
SVMW-13	1.50	1/25/93	6270.0	4.9	91.0	(5.0)	TR(10.0)J	17.0	21.0	328.0	(0.10)
SVMW-14	6.50	1/26/93	3820.0	1.3	TR(50.0)	(5.0)	(10.0)UJ	TR(10.0)	(20.0)	277.0	(0.10)
SVMW-15	1.75	1/22/93	9360.0	7.9	121	(5.0)	10.7J	29.0	(20.0)	368.0	(0.10)
SVMW-16	3.00	2/08/93	3980.0	9.2	68.0	(5.0)	TR(10.0)J	14.0	(20.0)	181.0J	(0.10)
SVMW-17	4.75	2/08/93	6370.0	20.5	67.0	(5.0)	TR(10.0)J	15.0	(20.0)	182.0J	(0.10)
SVMW-18	22.50	2/26/93	4150.0	3.7	TR(50.0)	(5.0)	(10.0)UJ	10.0	(20.0)	93.0J	(0.10)
SVMW-19	4.75	1/21/93	3890.0	3.8	61.0	(5.0)	TR(10.0)J	TR(10.0)	(20.0)	164.0J	(0.10)
SVMW-20	10.50	1/21/93							TR(5.0)		
SVMW-20	18.75	1/21/93							TR(5.0)		
SVMW-21	4.25	2/09/93	4180.0	0.81	TR(50.0)	(5.0)	(10.0)UJ	(10.0)	(20.0)	140.0J	(0.10)
SVMW-22B	14.00	2/10/93	4660.0	1.6	201	(5.0)	TR(10.0)J	18.0	(20.0)	192.0J	(0.10)
SVMW-24B	1.50	2/25/93	9900.0	8.0	71.0	(5.0)	16.6J	18.0	(20.0)	244.0	(0.10)
SVMW-26	10.00	1/26/93	3620.0	1.0	51.0	(5.0)	12.0J	12.0	(20.0)	170.0J	(0.10)
SVMW-27	3.75	1/20/93	4300.0	8.7	TR(50.0)	TR(5.0)	26.1J	21.0	(20.0)	151.0J	0.32
SVMW-28A	1.00	2/11/93	3340.0	1.8	TR(50.0)	(5.0)	36.9J	23.0	(20.0)	147.0J	0.10
SVMW-28A	13.50	2/11/93	4500.0	2.4	72.0	(5.0)	36.5J	26.0	(20.0)	224.0	(0.10)
SVMW-29	4.50	1/18/93	2200.0	1.5	TR(50.0)	(5.0)	(10.0)UJ	TR(10.0)	(20.0)	86.5J	(0.10)
SVMW-30	4.75	1/18/93	5220.0	16.6	84.0	TR(5.0)	57.3J	29.0	(20.0)	225.0	0.73
SVMW-32	24.25	3/01/93	4160.0	1.7	TR(50.0)	(5.0)	TR(10.0)J	TR(10.0)	(20.0)	101.0J	(0.10)
SVMW-33	4.50	1/04/94	4080.0	37.6J	78.0J	(5.0)UJ	13.6J	16.0	(20.0)	224.0	TR(0.10)
SVMW-34	6.50	12/31/93	4210.0	4.0	85.0	(5.0)UJ	12.9J	27.0	(20.0)	265.0	TR(0.10)
SVMW-35A	9.50	1/03/94	5720.0	3.4	109.0	(5.0)	11.4J	19.0	(20.0)	261.0	(0.10)

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Nickel	Zinc
SZB-38	4.75	1/07/94	14.0	47.9
SZB-39A	4.50	12/22/93	TR(10.0)	42.0
SZB-41A	5.00	1/11/94	13.0J	58.3
SVMW-01	1.25	1/25/93	14.0	39.8
SVMW-02	5.25	1/27/93	TR(10.0)	24.2
SVMW-04	15.00	1/28/93	17.0	21.2
SVMW-05C	1.25	1/29/93	16.0	36.3
SVMW-06	6.50	1/29/93	16.0	123
SVMW-11	1.50	1/22/93		
SVMW-11D	2.25	4/20/94	20.0	79.1
SVMW-13	1.50	1/25/93	15.0	50.7
SVMW-14	6.50	1/26/93	11.0	22.5
SVMW-15	1.75	1/22/93	16.0	44.6
SVMW-16	3.00	2/08/93	TR(10.0)	24.3
SVMW-17	4.75	2/08/93	TR(10.0)	27.5
SVMW-18	22.50	2/26/93	(10.0)	16.3
SVMW-19	4.75	1/21/93	12.0	19.3
SVMW-20	10.50	1/21/93		
SVMW-20	18.75	1/21/93		
SVMW-21	4.25	2/09/93	(10.0)	19.8
SVMW-22B	14.00	2/10/93	(10.0)	37.2
SVMW-24B	1.50	2/25/93	(10.0)	41.9
SVMW-26	10.00	1/26/93	TR(10.0)	27.0
SVMW-27	3.75	1/20/93	19.0	61.0
SVMW-28A	1.00	2/11/93	TR(10.0)	157
SVMW-28A	13.50	2/11/93	TR(10.0)	35.1
SVMW-29	4.50	1/18/93	(10.0)	11.0
SVMW-30	4.75	1/18/93	17.0	95.0
SVMW-32	24.25	3/01/93	(10.0)	16.4
SVMW-33	4.50	1/04/94	12.0	36.2
SVMW-34	6.50	12/31/93	TR(10.0)	34.6
SVMW-35A	9.50	1/03/94	TR(10.0)	37.3

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6

AISA Site Assessment

EPA Method 6010 and 7000 Series

Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury
SVMW-36	4.00	1/03/94	7090.0	3.4	62.0	6.8	21.7J	39.0	318.0	444.0	TR(0.10)
SVMW-37A	4.50	12/28/93	6700.0	2.0	80.0	(5.0)UJ	10.2J	16.0	(20.0)	268.0	(0.10)
SVMW-38	10.00	12/23/93	3330.0	3.0	TR(50.0)	(5.0)UJ	TR(10.0)J	TR(10.0)	(20.0)	161.0J	(0.10)
SVMW-39	5.00	1/06/94	4990.0	1.3	69.0	(5.0)UJ	13.3J	16.0	(20.0)	192.0J	TR(0.10)
MW-01	6.75	9/16/92	5190.0	1.9	54.0	(5.0)	TR(10.0)J	22.0	(20.0)	180.0J	0.19
MW-01	15.50	9/23/92	2860.0	3.0	TR(50.0)	(5.0)	TR(10.0)J	16.0	(20.0)	149.0J	(0.10)
MW-03	36.00	1/09/93	3230.0	3.7	TR(50.0)	(5.0)	TR(10.0)J	TR(10.0)	(20.0)	161.0J	(0.10)
MW-04B	16.50	3/18/93	5690.0	4.7	70.0	(5.0)	13.3J	15.0	(20.0)	241.0	(0.10)
MW-05	35.25	4/24/94	6190.0	5.0	86.0	(5.0)	19.2J	17.0	(20.0)	301.0	(0.10)
DG-1-NSS-01	.70	9/04/92	11600.0	39.7	99.0	(5.0)	20.0J	32.0	(20.0)	335.0	0.35
DG-1-NSS-01	1.50	9/04/92	9640.0	25.6	85.0J	(5.0)	18.0J	19.0J	(20.0)	260.0	TR(0.10)J
DG-1-NSS-01	2.40	9/04/92	9530.0	27.8	84.0	(5.0)	20.0J	21.0	(20.0)	278.0	0.12
DG-1-NSS-02	.20	9/03/92	13300.0	4.4	69.0	(5.0)	19.0J	20.0	25.0	312.0	0.51
DG-1-NSS-02	1.00	9/24/92	5100.0	3.5	TR(50.0)	(5.0)	14.0J	13.0	(20.0)	173.0J	0.19
DG-1-NSS-02	2.20	9/15/92	4950.0	1.9	TR(50.0)	(5.0)	(10.0)UJ	15.0	(20.0)	144.0J	0.11
DG-1-NSS-03	.20	9/03/92	8150.0	7.9	84.0	(5.0)	17.0J	25.0	(20.0)	247.0	0.51
DG-1-NSS-03	1.00	9/03/92	7700.0	4.8	76.0	(5.0)	13.0J	18.0	(20.0)	225.0	0.12
DG-1-NSS-03	2.00	9/03/92	6570.0	4.2	61.0	(5.0)	12.0J	16.0	(20.0)	194.0J	0.36
DG-1-NSS-04	2.20	9/15/92	4620.0	3.8	TR(50.0)	(5.0)	(10.0)UJ	14.0	(20.0)	168.0J	(0.10)
DG-1-NSS-04	3.20	9/15/92	5050.0	4.7	TR(50.0)	(5.0)	(10.0)UJ	18.0	(20.0)	183.0J	(0.10)
DG-1-NSS-04	4.10	9/15/92	5290.0	2.0	52.0	(5.0)	TR(10.0)J	19.0	(20.0)	181.0J	0.10
DG-3-NSS-01	1.00	6/10/93	4210.0	1.2	TR(50.0)	(5.0)	TR(10.0)J	TR(10.0)	(20.0)	164.0J	(0.10)
DG-3-NSS-01	2.00	6/10/93	5200.0	2.7J	52.0	(5.0)	TR(10.0)J	13.0	(20.0)UJ	182.0J	(0.10)
DG-3-NSS-01	3.00	6/10/93	4490.0	2.7	TR(50.0)	(5.0)	TR(10.0)J	11.0	(20.0)	149.0J	(0.10)
DG-3-NSS-02	1.50	6/10/93	10500.0	TR(0.50)	152.0	(5.0)	TR(10.0)J	20.0	26.0	345.0	(0.10)
DG-3-NSS-02	2.50	6/10/93	6800.0	1.7	81.0	(5.0)	TR(10.0)J	16.0	(20.0)	235.0	(0.10)
DG-3-NSS-02	3.50	6/10/93	5580.0	1.6	TR(50.0)	(5.0)	TR(10.0)J	12.0	(20.0)	199.0J	(0.10)
DG-3-NSS-03	1.00	6/10/93	4260.0	0.93	TR(50.0)	(5.0)	TR(10.0)J	TR(10.0)	(20.0)	140.0J	(0.10)
DG-3-NSS-03	2.00	6/10/93	3930.0	1.2	TR(50.0)	(5.0)	(10.0)J	TR(10.0)	(20.0)	213.0	(0.10)
DG-3-NSS-03	3.00	6/10/93	3360.0	0.93	TR(50.0)	(5.0)	(10.0)	TR(10.0)	(20.0)	116.0J	(0.10)
DG-3-NSS-04	1.00	6/10/93	5600.0	1.5	54.0	(5.0)	TR(10.0)J	22.0	(20.0)	211.0	(0.10)
DG-3-NSS-04	2.00	6/10/93	4850.0	1.9	52.0	(5.0)	(10.0)	10.0	(20.0)	183.0J	(0.10)

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.

J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Nickel	Zinc
SVMW-36	4.00	1/03/94	11.0	1450.0
SVMW-37A	4.50	12/28/93	TR(10.0)	39.4
SVMW-38	10.00	12/23/93	(10.0)	24.8
SVMW-39	5.00	1/06/94	10.0	32.4
MW-01	6.75	9/16/92	TR(10.0)	44.0
MW-01	15.50	9/23/92	TR(10.0)	20.0
MW-03	36.00	1/09/93	TR(10.0)	18.0
MW-04B	16.50	3/18/93	TR(10.0)	26.4
MW-05	35.25	4/24/94	12.0	42.0
DG-1-NSS-01	.70	9/04/92	15.0	56.0
DG-1-NSS-01	1.50	9/04/92	12.0	50.0
DG-1-NSS-01	2.40	9/04/92	15.0	51.0
DG-1-NSS-02	.20	9/03/92	13.0	116
DG-1-NSS-02	1.00	9/24/92	12.0	29.0
DG-1-NSS-02	2.20	9/15/92	TR(10.0)	26.0
DG-1-NSS-03	.20	9/03/92	12.0	49.0
DG-1-NSS-03	1.00	9/03/92	11.0	36.0
DG-1-NSS-03	2.00	9/03/92	10.0	32.0
DG-1-NSS-04	2.20	9/15/92	TR(10.0)	28.0
DG-1-NSS-04	3.20	9/15/92	TR(10.0)	27.0
DG-1-NSS-04	4.10	9/15/92	TR(10.0)	26.0
DG-3-NSS-01	1.00	6/10/93	TR(10.0)	20.5
DG-3-NSS-01	2.00	6/10/93	TR(10.0)	25.8
DG-3-NSS-01	3.00	6/10/93	TR(10.0)	21.1
DG-3-NSS-02	1.50	6/10/93	11.0	54.7
DG-3-NSS-02	2.50	6/10/93	TR(10.0)	41.1
DG-3-NSS-02	3.50	6/10/93	10.0	33.5
DG-3-NSS-03	1.00	6/10/93	TR(10.0)	19.2
DG-3-NSS-03	2.00	6/10/93	TR(10.0)	18.3
DG-3-NSS-03	3.00	6/10/93	TR(10.0)	15.8
DG-3-NSS-04	1.00	6/10/93	TR(10.0)	35.8
DG-3-NSS-04	2.00	6/10/93	TR(10.0)	24.8

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury
DG-3-NSS-04	3.00	6/10/93	4640.0	1.6	TR(50.0)	(5.0)	TR(10.0)J	13.0	(20.0)	171.0J	(0.10)

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 6
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Nickel	Zinc
DG-3-NSS-04	3.00	6/10/93	TR(10.0)	23.6

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram.
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 7

AISA Site Assessment

EPA Test Method 8280

Dioxin and Furans Results for Soil Samples

Sample #	Depth (feet)	Date Collected	1,2,3,4,-6,7,8-HpCDD	1,2,3,4-6,7,8-HpCDF	1,2,3,4-7,8,9-HpCDF	1,2,3-4,7,8-HxCDD	1,2,3-4,7,8-HxCDF	1,2,3-6,7,8-HxCDD	1,2,3-6,7,8-HxCDF	1,2,3-7,8,9-HxCDD	1,2,3-7,8,9-HxCDF
SZB-10	1.75	3/04/93	(0.012)	(0.0082)	(0.0082)	(0.012)	(0.0071)	(0.012)	(0.0071)	(0.012)	(0.0071)
SZB-10	4.75	3/04/93	(0.0088)	(0.0070)	(0.0070)	(0.010)	(0.0052)	(0.010)	(0.0052)	(0.010)	(0.0052)
SZB-10	9.75	3/04/93	(0.044)	(0.038)	(0.038)	(0.057)	(0.030)	(0.057)	(0.030)	(0.057)	(0.030)
SZB-10	14.25	3/04/93	(0.012)	(0.0099)	(0.0099)	(0.015)	(0.0083)	(0.015)	(0.0083)	(0.015)	(0.0083)
SVMW-01	1.25	1/25/93	(0.043)	(0.016)	(0.016)	(0.022)	(0.014)	(0.022)	(0.014)	(0.022)	(0.014)
SVMW-01D	15.00	4/24/94	(0.034)	(0.026)	(0.026)	(0.047)	(0.028)	(0.047)	(0.028)	(0.047)	(0.028)
SVMW-01D	30.00	4/24/94	(0.046)	(0.035)	(0.035)	(0.046)	(0.027)	(0.046)	(0.027)	(0.046)	(0.027)
SVMW-26	10.00	1/26/93	(0.020)	(0.013)	(0.013)	(0.014)	(0.014)	(0.014)	(0.014)	(0.014)	(0.014)
SVMW-26	24.00	1/26/93	(0.014)	(0.014)	(0.014)	(0.025)	(0.013)	(0.025)	(0.013)	(0.025)	(0.013)
SVMW-27	3.75	1/20/93	(0.0085)	(0.0069)	(0.0069)	(0.017)	(0.0067)	(0.017)	(0.0067)	(0.017)	(0.0067)
SVMW-27	30.75	1/20/93	(0.016)	(0.0088)	(0.0088)	(0.012)	(0.0067)	(0.012)	(0.0067)	(0.012)	(0.0067)
SVMW-29	4.50	1/18/93	(0.0043)	(0.0043)	(0.0043)	(0.0079)	(0.0038)	(0.0079)	(0.0038)	(0.0079)	(0.0038)
SVMW-29	18.75	1/18/93	(0.0055)	(0.0053)	(0.0053)	(0.0059)	(0.0035)	(0.0059)	(0.0035)	(0.0059)	(0.0035)
SVMW-30	4.75	1/18/93	0.095	0.059	(0.0071)	(0.012)	(0.0097)	(0.012)	(0.0097)	(0.012)	(0.0097)
SVMW-30	29.75	1/19/93	(0.011)	(0.0093)	(0.0093)	(0.013)	(0.0049)	(0.013)	(0.0049)	(0.013)	(0.0049)
DG-1-NSS-01	.70	8/31/92	(0.022)	(0.015)	(0.015)	(0.016)	(0.0091)	(0.016)	(0.0091)	(0.016)	(0.0091)
DG-1-NSS-01	1.50	8/31/92	(0.029)	(0.011)	(0.011)	(0.016)	(0.0092)	(0.016)	(0.0092)	(0.016)	(0.0092)
DG-1-NSS-01	2.40	8/31/92	(0.027)	(0.019)	(0.019)	(0.029)	(0.015)	(0.029)	(0.015)	(0.029)	(0.015)
DG-1-NSS-02	.20	8/31/92	(0.038)	(0.019)	(0.019)	(0.019)	(0.0098)	(0.019)	(0.0098)	(0.019)	(0.0098)
DG-1-NSS-02	1.00	8/31/92	(0.026)	(0.017)	(0.017)	(0.023)	(0.011)	(0.023)	(0.011)	(0.023)	(0.011)
DG-1-NSS-02	2.20	9/15/92	(0.0092)	(0.0072)	(0.0072)	(0.018)	(0.0097)	(0.018)	(0.0097)	(0.018)	(0.0097)
DG-1-NSS-03	.20	8/31/92	(0.034)	(0.023)	(0.023)	(0.020)	(0.014)	(0.020)	(0.014)	(0.020)	(0.014)
DG-1-NSS-03	1.00	8/31/92	(0.026)	(0.017)	(0.017)	(0.017)	(0.011)	(0.017)	(0.011)	(0.017)	(0.011)
DG-1-NSS-03	2.00	8/31/92	(0.32)	(0.082)	(0.082)	(0.046)	(0.053)	(0.046)	(0.053)	(0.046)	(0.053)
DG-1-NSS-04	2.20	9/15/92	(0.022)	(0.019)	(0.019)	(0.017)	(0.012)	(0.017)	(0.012)	(0.017)	(0.012)
DG-1-NSS-04	3.20	9/15/92	(0.022)	(0.015)	(0.015)	(0.014)	(0.012)	(0.014)	(0.012)	(0.014)	(0.012)
DG-1-NSS-04	4.10	9/15/92	(0.013)	(0.012)	(0.012)	(0.011)	(0.010)	(0.011)	(0.010)	(0.011)	(0.010)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in nanograms per gram. NA = Not available or not analyzed.

Table 7

AISA Site Assessment

EPA Test Method 8280

Dioxin and Furans Results for Soil Samples

Sample #	Depth (feet)	Date Collected	1,2,3-7,8-PeCDD	1,2,3-7,8-PeCDF	2,3,4-6,7,8-HxCDF	2,3,4-7,8-PeCDF	2,3,7,8-TcDD	2,3,7,8-TcDF	HpCDDs (total)	HpCDFs (total)	HxCDDs (total)
SZB-10	1.75	3/04/93	(0.011)	(0.0036)	(0.0071)	(0.0036)	(0.0036)	(0.0022)	(0.012)	(0.0082)	(0.012)
SZB-10	4.75	3/04/93	(0.010)	(0.0032)	(0.0052)	(0.0032)	(0.0053)	(0.0019)	(0.0088)	(0.0070)	(0.010)
SZB-10	9.75	3/04/93	(0.049)	(0.015)	(0.030)	(0.015)	(0.013)	(0.015)	(0.044)	(0.038)	(0.057)
SZB-10	14.25	3/04/93	(0.014)	(0.0042)	(0.0083)	(0.0042)	(0.0065)	(0.0024)	(0.012)	(0.0099)	(0.015)
SVMW-01	1.25	1/25/93	(0.021)	(0.0064)	(0.014)	(0.0064)	(0.0044)	(0.0046)	(0.043)	(0.016)	(0.022)
SVMW-01D	15.00	4/24/94	(0.062)	(0.023)	(0.028)	(0.023)	(0.021)	(0.041)	(0.034)	(0.026)	(0.047)
SVMW-01D	30.00	4/24/94	(0.13)	(0.022)	(0.027)	(0.022)	(0.015)	(0.024)	(0.046)	(0.035)	(0.046)
SVMW-26	10.00	1/26/93	(0.018)	(0.0071)	(0.014)	(0.0071)	(0.0078)	(0.0042)	(0.020)	(0.013)	(0.014)
SVMW-26	24.00	1/26/93	(0.029)	(0.0067)	(0.013)	(0.0067)	(0.0046)	(0.0042)	(0.014)	(0.014)	(0.025)
SVMW-27	3.75	1/20/93	(0.012)	(0.0036)	(0.0067)	(0.0036)	(0.0022)	(0.0027)	(0.0085)	(0.0069)	(0.017)
SVMW-27	30.75	1/20/93	(0.0091)	(0.0030)	(0.0067)	(0.0030)	(0.0021)	(0.0058)	(0.016)	(0.0088)	(0.012)
SVMW-29	4.50	1/18/93	(0.0097)	(0.0025)	(0.0038)	(0.0025)	(0.0015)	(0.0018)	(0.0043)	(0.0043)	(0.0079)
SVMW-29	18.75	1/18/93	(0.0074)	(0.0019)	(0.0035)	(0.0019)	(0.0018)	(0.0019)	(0.0055)	(0.0053)	(0.0059)
SVMW-30	4.75	1/18/93	(0.0069)	(0.013)	(0.0097)	(0.013)	(0.0022)	(0.0033)	0.29	0.13	(0.012)
SVMW-30	29.75	1/19/93	(0.010)	(0.0029)	(0.0049)	(0.0029)	(0.0022)	(0.0017)	(0.011)	(0.0093)	(0.013)
DG-1-NSS-01	.70	8/31/92	(0.012)	(0.0038)	(0.0091)	(0.0038)	(0.0067)	(0.0050)	(0.022)	(0.015)	(0.016)
DG-1-NSS-01	1.50	8/31/92	(0.013)	(0.0036)	(0.0092)	(0.0036)	(0.0060)	(0.0047)	(0.029)	(0.011)	(0.016)
DG-1-NSS-01	2.40	8/31/92	(0.022)	(0.0060)	(0.015)	(0.0060)	(0.012)	(0.0073)	(0.027)	(0.019)	(0.029)
DG-1-NSS-02	.20	8/31/92	(0.014)	(0.0045)	(0.0098)	(0.0045)	(0.0075)	(0.0050)	(0.038)	(0.019)	(0.019)
DG-1-NSS-02	1.00	8/31/92	(0.014)	(0.0041)	(0.011)	(0.0041)	(0.0065)	(0.0039)	(0.026)	(0.017)	(0.023)
DG-1-NSS-02	2.20	9/15/92	(0.027)	(0.0072)	(0.0097)	(0.0072)	(0.012)	(0.0049)	(0.0092)	(0.0072)	(0.018)
DG-1-NSS-03	.20	8/31/92	(0.023)	(0.0051)	(0.014)	(0.0051)	(0.010)	(0.010)	(0.034)	(0.023)	(0.020)
DG-1-NSS-03	1.00	8/31/92	(0.013)	(0.0035)	(0.011)	(0.0035)	(0.0071)	(0.0061)	(0.026)	(0.017)	(0.017)
DG-1-NSS-03	2.00	8/31/92	(0.036)	(0.019)	(0.053)	(0.019)	(0.037)	(0.028)	(0.32)	(0.082)	(0.046)
DG-1-NSS-04	2.20	9/15/92	(0.020)	(0.0074)	(0.012)	(0.0074)	(0.018)	(0.0052)	(0.022)	(0.019)	(0.017)
DG-1-NSS-04	3.20	9/15/92	(0.027)	(0.0077)	(0.012)	(0.0077)	(0.0096)	(0.0068)	(0.022)	(0.015)	(0.014)
DG-1-NSS-04	4.10	9/15/92	(0.018)	(0.0058)	(0.010)	(0.0058)	(0.0069)	(0.0048)	(0.013)	(0.012)	(0.011)

() Indicates compound not detected at or above enclosed reporting limit.

All results reported in nanograms per gram. NA = Not available or not analyzed.

Table 7
AISA Site Assessment
EPA Test Method 8280
Dioxin and Furans Results for Soil Samples

Sample #	Depth (feet)	Date Collected	HxCDFs (total)	OCDD	OCDF	PeCDDs (total)	PeCDFs (total)	TCDDs (total)	TCDFs (total)
SZB-10	1.75	3/04/93	(0.0071)	(0.022)	(0.021)	(0.011)	(0.0036)	(0.0036)	(0.0022)
SZB-10	4.75	3/04/93	(0.0052)	(0.012)	(0.020)	(0.010)	(0.0032)	(0.0053)	(0.0019)
SZB-10	9.75	3/04/93	(0.030)	(0.091)	(0.11)	(0.049)	(0.015)	(0.013)	(0.015)
SZB-10	14.25	3/04/93	(0.0083)	(0.017)	(0.017)	(0.014)	(0.0042)	(0.0065)	(0.0024)
SVMW-01	1.25	1/25/93	(0.014)	0.22	(0.072)	(0.021)	(0.0064)	(0.0044)	(0.0046)
SVMW-01D	15.00	4/24/94	(0.028)	(0.049)	(0.081)	(0.062)	(0.023)	(0.021)	(0.041)
SVMW-01D	30.00	4/24/94	(0.027)	(0.038)	(0.072)	(0.13)	(0.022)	(0.015)	(0.024)
SVMW-26	10.00	1/26/93	(0.014)	(0.041)	(0.049)	(0.018)	(0.0071)	(0.0078)	(0.0042)
SVMW-26	24.00	1/26/93	(0.013)	(0.064)	(0.070)	(0.029)	(0.0067)	(0.0046)	(0.0042)
SVMW-27	3.75	1/20/93	(0.0067)	(0.045)	(0.033)	(0.012)	(0.0036)	(0.0022)	(0.0027)
SVMW-27	30.75	1/20/93	(0.0067)	(0.16)	(0.084)	(0.0091)	(0.0030)	(0.0021)	(0.0058)
SVMW-29	4.50	1/18/93	(0.0038)	(0.023)	(0.016)	(0.0097)	(0.0025)	(0.0015)	(0.0018)
SVMW-29	18.75	1/18/93	(0.0035)	(0.016)	(0.016)	(0.0074)	(0.0019)	(0.0018)	(0.0019)
SVMW-30	4.75	1/18/93	0.041	1.5	0.16	(0.0069)	(0.013)	(0.0022)	(0.0033)
SVMW-30	29.75	1/19/93	(0.0049)	(0.073)	(0.030)	(0.010)	(0.0029)	(0.0022)	(0.0017)
DG-1-NSS-01	.70	8/31/92	(0.0091)	0.24	(0.050)	(0.012)	(0.0038)	(0.0067)	(0.0050)
DG-1-NSS-01	1.50	8/31/92	(0.0092)	0.23	(0.047)	(0.013)	(0.0036)	(0.0060)	(0.0047)
DG-1-NSS-01	2.40	8/31/92	(0.015)	(0.054)	(0.075)	(0.022)	(0.0060)	(0.012)	(0.0073)
DG-1-NSS-02	.20	8/31/92	(0.0098)	0.31	(0.066)	(0.014)	(0.0045)	(0.0075)	(0.0050)
DG-1-NSS-02	1.00	8/31/92	(0.011)	0.38	(0.057)	(0.014)	(0.0041)	(0.0065)	(0.0039)
DG-1-NSS-02	2.20	9/15/92	(0.0097)	(0.035)	(0.029)	(0.027)	(0.0072)	(0.012)	(0.0049)
DG-1-NSS-03	.20	8/31/92	(0.014)	(0.29)	(0.11)	(0.023)	(0.0051)	(0.010)	(0.010)
DG-1-NSS-03	1.00	8/31/92	(0.011)	0.19	(0.061)	(0.013)	(0.0035)	(0.0071)	(0.0061)
DG-1-NSS-03	2.00	8/31/92	(0.053)	1.4	(0.31)	(0.036)	(0.019)	(0.037)	(0.028)
DG-1-NSS-04	2.20	9/15/92	(0.012)	(0.12)	(0.082)	(0.020)	(0.0074)	(0.018)	(0.0052)
DG-1-NSS-04	3.20	9/15/92	(0.012)	(0.12)	(0.075)	(0.027)	(0.0077)	(0.0096)	(0.0068)
DG-1-NSS-04	4.10	9/15/92	(0.010)	(0.047)	(0.053)	(0.018)	(0.0058)	(0.0069)	(0.0048)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in nanograms per gram. NA = Not available or not analyzed.

Table 8

AISA Site Assessment

Miscellaneous Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Chlorate	Cyanide (total)	Diesel Fuel	Jet Fuel	Kerosene	pH	Stoddard Solvent	Total Organic Carbon	TPH Volatile	Unknown Hydrocarbons
SZB-01	2.00	3/01/93		(0.50)								
SZB-02	5.25	3/01/93		(0.50)								
SZB-03	5.25	3/02/93		(0.50)								
SZB-04	3.75	3/04/93		(0.50)								
SZB-05E	1.00	4/11/94		(0.50)								
SZB-06A	5.00	3/05/93	(1.0)	(0.50)								
SZB-06A	18.25	3/05/93	(1.0)									
SZB-07	4.00	3/02/93	(1.0)	(0.50)								
SZB-07	19.00	3/02/93	(1.0)									
SZB-08D	10.25	3/03/93	(1.0)	(0.50)								
SZB-08D	14.25	3/03/93	(1.0)									
SZB-09	2.25	3/03/93	(1.0)	(0.50)								
SZB-09	4.00	3/03/93	(1.0)									
SZB-09	15.00	3/03/93	(1.0)									
SZB-10	1.75	3/04/93	(1.0)	(0.50)								
SZB-10	4.75	3/04/93	(1.0)									
SZB-10	9.75	3/04/93	(1.0)									
SZB-10	14.25	3/04/93	(1.0)									
SZB-11	5.25	3/05/93	(1.0)	(0.50)								
SZB-11	14.00	3/05/93	(1.0)									
SZB-11	21.00	3/05/93	(1.0)									
SZB-12B	15.00	12/29/93		(0.50)								
SZB-13	4.50	1/04/94		(0.50)								
SZB-14S	10.00	12/28/93		(0.50)								
SZB-19A	5.75	12/27/93		(0.50)								
SZB-20A	5.25	12/27/93		(0.50)								
SZB-21	6.00	1/04/94		(0.50)								
SZB-22	4.25	1/07/94		6.5J								
SZB-24	5.50	1/06/94		0.70B								
SZB-25	5.25	1/17/94	(1.0)	(0.50)								
SZB-26A	4.00	1/14/94	(1.0)	(0.50)								
SZB-26A	19.75	1/14/94	(1.0)									

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram (except pH in pH units).

J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. R = Rejected.

* = Chlorate and Cyanide samples collected on 8/31/92. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit and therefore, the concentration was not quantifiable.

Table 8
AISA Site Assessment
Miscellaneous Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Chlorate	Cyanide (total)	Diesel Fuel	Jet Fuel	Kerosene	pH	Stoddard Solvent	Total Organic Carbon	TPH Volatile	Unknown Hydrocarbons
SZB-27	5.00	1/10/94	(1.0)	(0.50)UJ								
SZB-27	20.00	1/10/94	(1.0)									
SZB-28D	4.00	4/11/94		(0.50)								
SZB-30	5.00	1/14/94	(1.0)	(0.50)								
SZB-30A	19.25	1/14/94	(1.0)									
SZB-31A	5.00	1/11/94	(1.0)	(0.50)UJ								
SZB-31B	20.25	1/11/94	(1.0)									
SZB-32	6.00	1/14/94	(1.0)	(0.50)UJ								
SZB-32	20.00	1/14/94	(1.0)									
SZB-32	35.25	1/14/94	(1.0)									
SZB-33	5.00	1/11/94	(1.0)	(0.50)UJ								
SZB-33	24.00	1/11/94	(1.0)									
SZB-33	40.00	1/11/94	(1.0)									
SZB-34B	4.75	1/07/94	(1.0)	(0.50)UJ								
SZB-35C	1.25	5/26/94		(0.50)								
SZB-36	4.50	12/21/93	(1.0)	(0.50)								
SZB-36	27.25	12/21/93	(1.0)									
SZB-36	39.50	12/21/93	(1.0)									
SZB-37	4.50	12/21/93	(1.0)	(0.50)								
SZB-37	20.50	12/21/93	(1.0)									
SZB-38	4.75	1/07/94	(1.0)	(0.50)UJ								
SZB-38	15.25	1/10/94	(1.0)									
SZB-39	4.00	12/22/93		(0.50)								
SZB-39A	4.50	12/22/93	(1.0)									
SZB-39A	20.00	12/22/93	(1.0)									
SZB-40A	20.00	12/23/93	(1.0)									
SZB-41A	5.00	1/11/94	(1.0)	(0.50)UJ								
SZB-41B	15.25	1/11/94	(1.0)									
SZB-41B	30.00	1/11/94	(1.0)									
SVMW-01	1.25	1/25/93	(1.0)	(0.50)								
SVMW-02	5.25	1/27/93	(1.0)	(0.50)								
SVMW-04	15.00	1/28/93		(0.50)								

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram (except pH in pH units).
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. R = Rejected.
* = Chlorate and Cyanide samples collected on 8/31/92. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit and therefore, the concentration was not quantifiable.

Table 8
AISA Site Assessment
Miscellaneous Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Chlorate	Cyanide (total)	Diesel Fuel	Jet Fuel	Kerosene	pH	Stoddard Solvent	Total Organic Carbon	TPH Volatile	Unknown Hydrocarbons
SVMW-05C	1.25	1/29/93		(0.50)								
SVMW-06	6.50	1/29/93		(0.50)								
SVMW-06	19.00	1/29/93		(0.50)								
SVMW-11	1.50	1/22/93		(0.50)	(10)	(10)	(10)		(10)		(5.0)	(10)
SVMW-11D	2.25	4/20/94		(0.50)		(10.0)						
SVMW-11D	20.25	4/20/94				(10.0)	(10.0)		(10.0)		(1.0)	
SVMW-11D	30.00	4/20/94				(10.0)	(10.0)		(10.0)		(1.0)	
SVMW-11D	37.00	4/23/94				(10.0)	(10.0)		(10.0)		(1.0)R	
SVMW-13	1.50	1/25/93		(0.50)								
SVMW-13	20.25	1/25/93		(0.50)								
SVMW-13	28.00	1/25/93		(0.50)								
SVMW-14	6.50	1/26/93		(0.50)								
SVMW-15	1.75	1/22/93	(1.0)	(0.50)								
SVMW-15	27.00	1/22/93	(1.0)									
SVMW-16	3.00	2/08/93		(0.50)								
SVMW-17	4.75	2/08/93	(1.0)	(0.50)								
SVMW-17	15.00	2/08/93	(1.0)	(0.50)								
SVMW-18	22.50	2/26/93		(0.50)								
SVMW-19	4.75	1/21/93		(0.50)								
SVMW-19	9.75	1/21/93		(0.50)								
SVMW-19D	20.25	4/15/94		4.1								
SVMW-19D	20.25	4/15/94		(0.50)								
SVMW-19D	20.25	4/15/94		3.8								
SVMW-19D	35.00	4/15/94		(0.50)								
SVMW-20	10.50	1/21/93			(20)	(20)	(20)		(20)		(5.0)	(20)
SVMW-20	18.75	1/21/93			(10)	(10)	(10)		(10)		(5.0)	(10)
SVMW-21	4.25	2/09/93		(0.50)								
SVMW-22B	14.00	2/10/93		(0.50)								
SVMW-24B	1.50	2/25/93		(0.50)								
SVMW-26	10.00	1/26/93	(1.0)	(0.50)								
SVMW-26	24.00	1/26/93	(1.0)									
SVMW-27	3.75	1/20/93	(1.0)	(0.50)								

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram (except pH in pH units).
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. R = Rejected.
* = Chlorate and Cyanide samples collected on 8/31/92. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit and therefore, the concentration was not quantifiable.

Table 8
AISA Site Assessment
Miscellaneous Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Chlorate	Cyanide (total)	Diesel Fuel	Jet Fuel	Kerosene	pH	Stoddard Solvent	Total Organic Carbon	TPH Volatile	Unknown Hydrocarbons
SVMW-27	30.75	1/20/93	(1.0)									
SVMW-28A	1.00	2/11/93	(1.0)	(0.50)								
SVMW-28A	13.50	2/11/93	(1.0)	(0.50)								
SVMW-29	4.50	1/18/93	(1.0)	(0.50)								
SVMW-29	18.75	1/18/93	(1.0)									
SVMW-30	4.75	1/18/93	(1.0)	(0.50)								
SVMW-30	29.75	1/19/93	(1.0)									
SVMW-32	6.50	3/01/93			(10)	(10)	(10)		(10)		(5.0)	(10)
SVMW-32	10.75	3/01/93			(10)	(10)	(10)		(10)		(5.0)	(10)
SVMW-32	24.25	3/01/93			(10)	(10)	(10)		(10)		(5.0)	(10)
SVMW-32	29.00	3/01/93			(10)	(10)	(10)		(10)		(5.0)	(10)
SVMW-33	4.50	1/04/94		(0.50)								
SVMW-34	6.50	12/31/93		(0.50)								
SVMW-35A	9.50	1/03/94		(0.50)								
SVMW-36	4.00	1/03/94		(0.50)								
SVMW-37A	4.50	12/28/93		(0.50)								
SVMW-38	10.00	12/23/93	(1.0)									
SVMW-38	20.00	12/23/93	(1.0)									
SVMW-39	5.00	1/06/94		0.60B								
MW-01	6.75	9/16/92		(0.50)								
MW-01	15.50	9/23/92		TR(0.50)								
MW-02	58.25	10/08/93						7.9				
MW-02	58.50	10/09/93						8.5				
MW-03	36.00	1/09/93		(0.50)				9.20		190		
MW-03	56.25	1/10/93						8.70		140		
MW-04B	16.50	3/18/93		(0.50)				8.20		390		
MW-04B	25.25	3/18/93						8.50		240		
MW-05	35.25	4/24/94		(0.50)				8.6		691J		
MW-05	55.00	4/24/94						8.7		334J		
MW-05	115.25	4/25/94						8.9		345J		
MW-05	195.00	4/27/94						8.7		504J		
MW-05	255.25	4/27/94						8.4		602J		

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram (except pH in pH units).
J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. R = Rejected.
* = Chlorate and Cyanide samples collected on 8/31/92. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit and therefore, the concentration was not quantifiable.

Table 8

AISA Site Assessment

Miscellaneous Results for Soil Samples

Sample #	Depth (feet)	Date Collected	Chlorate	Cyanide (total)	Diesel Fuel	Jet Fuel	Kerosene	pH	Stoddard Solvent	Total Organic Carbon	TPH Volatile	Unknown Hydrocarbons
DG-1-NSS-01	.70	9/04/92	(1.0)*	(0.50)*								
DG-1-NSS-01	1.50	9/04/92	(1.0)*	(0.50)*								
DG-1-NSS-01	2.40	9/04/92	(1.0)*	(0.50)*								
DG-1-NSS-02	.20	9/03/92	(1.0)*	(0.50)*								
DG-1-NSS-02	1.00	9/24/92	(1.0)*	(0.50)*								
DG-1-NSS-02	2.20	9/15/92	(1.0)	TR(0.50)								
DG-1-NSS-03	.20	9/03/92	(1.0)*	(0.50)*								
DG-1-NSS-03	1.00	9/03/92	(1.0)*	(0.50)*								
DG-1-NSS-03	2.00	9/03/92	(1.0)*	(0.50)*								
DG-1-NSS-04	2.20	9/15/92	(1.0)	(0.50)								
DG-1-NSS-04	3.20	9/15/92	(1.0)	(0.50)								
DG-1-NSS-04	4.10	9/15/92	(1.0)	(0.50)								
DG-3-NSS-01	1.00	6/10/93	(1.0)	TR(0.50)								
DG-3-NSS-01	2.00	6/10/93	(1.0)	(0.50)								
DG-3-NSS-01	3.00	6/10/93	(1.0)	(0.50)								
DG-3-NSS-02	1.50	6/10/93	(1.0)	2.0								
DG-3-NSS-02	2.50	6/10/93	(1.0)	(0.50)								
DG-3-NSS-02	3.50	6/10/93	(1.0)	(0.50)								
DG-3-NSS-03	1.00	6/10/93	(1.0)	(0.50)								
DG-3-NSS-03	2.00	6/10/93	(1.0)	(0.50)								
DG-3-NSS-03	3.00	6/10/93	(1.0)	4.0								
DG-3-NSS-04	1.00	6/10/93	(1.0)	TR(0.50)								
DG-3-NSS-04	2.00	6/10/93	(1.0)	TR(0.50)								
DG-3-NSS-04	3.00	6/10/93	(1.0)	0.55								

() Indicates compound not detected at or above enclosed reporting limit. All results reported in milligrams per kilogram (except pH in pH units).

J = Sample result estimated. UJ = Sample result estimated non-detected. B = Constituent present in method blank. R = Rejected.

* = Chlorate and Cyanide samples collected on 8/31/92. TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit and therefore, the concentration was not quantifiable.

Table 9
AISA Site Assessment
EPA Test Method 8080
PCB Results for Soil Samples

Sample #	Depth (feet)	Date Collected	AROCLOR 1016	AROCLOR 1221	AROCLOR 1232	AROCLOR 1242	AROCLOR 1248	AROCLOR 1254	AROCLOR 1260	Total PCBs
TP-1-NSS-01	1.90	9/15/92	(.084)	(.084)	(.084)	(.084)	(.084)	(.084)	.38	.38
TP-2-NSS-01	1.90	9/16/92	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(119)
TP-3-NSS-01	2.00	9/16/92	(.017)	(.017)	(.017)	(.017)	(.017)	.39	(.017)	.39
TP-4-NSS-01	1.90	9/16/92	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(119)
TP-5-NSS-01	1.90	9/15/92	(.017)	(.017)	(.017)	(.017)	(.017)	.17	(.017)	.17
TP-6-NSS-01	1.90	9/15/92	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(119)
TP-7-NSS-01	2.00	9/16/92	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(.017)	(119)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.
PCB = Polychlorinated biphenyl.

Table 10. Comparison of AISA Soil Sample Metal Concentrations to EPA Preliminary Remediation Goals

	Residential Soil (mg/kg)	Industrial Soil (mg/kg)	AISA Site Range (mg/kg)	
			min	max
Aluminum	78,000	100,000	2,200	13,300
Arsenic	0.97	3.3	0.81	47.20
Barium	5,500	100,000	50	201
Cadmium	39	490	(5)	9.10
Chromium III	NA	NA	NA	NA
Chromium IV	390	NA	(10)	57.3*
Copper	2,900	76,000	(10)	57.0
Cyanide	390	10,000	(0.50)	6.5
Lead	500	NA	(20)	318
Manganese	390	10,000	86.5	444
Mercury	22	810	0.10	0.73
Nickel	1,600	41,000	(10)	108
PCBs	0.11	0.37	(0.017)	0.39
2,3,7,8-TCDD	5.7E-06	1.9E-05	NA	3.20E-06TE
Zinc	23,000	100,000	11	1,450

* = Value shown represents analysis of total chromium in soil matrix samples

NA = Not applicable

TE = Toxicity equivalent

Table 11
AISA Site Assessment
EPA Test Method 8010
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,1,1-Tri-chloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,2-Di-chloro-benzene	1,2-Di-chloro-ethane	1,2-Di-chloro-propane	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	Bromo-dichloro-methane
SVMW-06	6.75	1/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-19	5.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-19	10.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.

Table 11
AISA Site Assessment
EPA Test Method 8010
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	Bromoform	Bromo-methane	Carbon Tetra-chloride	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,3-Dichloro-propene	Dibromo-chloro-methane	Methylene Chloride 8010	Tetra-chloro-ethene
SVMW-06	6.75	1/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-19	5.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-19	10.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.

Table 11
AISA Site Assessment
EPA Test Method 8010
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	trans-1,2-dichloro-ethene	trans-1,3-dichloro-propene	Trichloro-ethene 8010	Trichloro-fluoro-methane	Vinyl chloride
SVMW-06	6.75	1/29/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-19	5.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-19	10.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per kilogram.

Table 12
AISA Site Assessment
EPA Test Method 8020
Volatile Organic Compound Results for Soil Samples

Sample #	Depth (Feet)	Date Collected	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	Benzene	Chloro-benzene	Ethyl-benzene	Toluene	Xylenes
SVMW-11D	2.25	4/20/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-11D	20.25	4/20/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-11D	30.00	4/20/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-11D	37.00	4/23/94	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-20	10.50	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
SVMW-20	19.00	1/21/93	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in milligrams per kilogram.

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
1	4/10/92	NR	10:46	29.45	5.0	0.50	30	1	NA	(2)	NA	6	1	(1)
2*	4/24/92	NR	11:25	29.35	4.0	0.50	5	0.04	NA	(0.7)	NA	0.4	0.04	(0.4)
2(X)	4/24/92	NR	11:38	29.35	4.0	0.50	5	0.05	NA	(0.7)	NA	0.4	0.05	(0.4)
3	4/10/92	NR	10:24	29.45	5.0	0.50	30	2	NA	(9)	NA	8	1	(5)
4	4/24/92	NR	11:51	29.35	2.5	0.50	30	3	NA	(2)	NA	6	1	(1)
5	4/10/92	NR	11:08	29.45	3.0	0.50	30	0.8	NA	(2)	NA	5	0.9	(1)
6	4/24/92	NR	12:05	29.35	3.0	0.50	30	5	NA	(2)	NA	9	2	(1)
7	4/24/92	NR	13:23	29.35	5.0	0.50	30	6	NA	(4)	NA	7	2	(2)
8	4/30/92	NR	13:42	29.40	5.0	0.50	30	6	NA	(2)	NA	11	2	(1)
8(X)	4/30/92	NR	13:55	29.40	5.0	0.50	30	7	NA	(2)	NA	17	3	(1)
9	4/10/92	NR	09:45	29.45	5.0	0.50	30	4	NA	(9)	NA	20	3	(5)
10	4/24/92	NR	13:36	29.35	5.0	0.50	30	6	NA	(4)	NA	18	3	(2)
12	4/10/92	NR	12:23	29.45	3.0	0.25	30	3	NA	(2)	NA	22	4	(1)
13	4/30/92	NR	15:14	29.35	3.5	0.50	30	5	NA	(9)	NA	11	2	(5)
14	4/24/92	NR	13:49	29.35	3.0	0.50	30	7	NA	(4)	NA	21	4	(2)
15	5/07/92	NR	17:48	29.40	5.0	0.50	30	7**	NA	(4)	NA	17	3**	(2)
16	4/24/92	NR	14:02	29.35	2.5	0.50	30	13	NA	(4)	NA	36	8	(2)
17	4/10/92	NR	12:42	29.45	3.0	0.25	30	4	NA	(9)	NA	22	3	(5)
19	4/24/92	NR	14:52	29.35	5.0	0.50	30	8	NA	(4)	NA	24	4	(2)
20	4/10/92	NR	09:15	29.45	5.0	0.50	30	4	NA	(9)	NA	29	5	(5)
23	4/24/92	NR	14:33	29.35	4.5	0.50	30	5	NA	(4)	NA	12	2	(2)
24	4/30/92	NR	14:33	29.40	2.5	0.50	30	11	NA	(9)	NA	32	4	(5)
25	4/10/92	NR	08:58	29.45	5.0	0.50	30	4	NA	(9)	NA	35	5	(5)
26	4/30/92	NR	14:13	29.40	5.0	0.50	30	8	NA	(9)	NA	23	3	(5)
27	4/10/92	NR	08:32	29.45	5.0	0.50	30	4	NA	(0.7)	NA	29	5	(0.4)
28	4/15/92	NR	09:14	29.45	5.0	0.50	30	0.3	NA	(0.7)	NA	0.3	0.1	(0.4)
29	4/15/92	NR	09:30	29.45	3.0	0.50	30	0.3	NA	(0.2)	NA	0.09	0.07	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
1	4/10/92	NR	10:46	29.45	5.0	0.50	30	2	NA	0.5	NA	(0.03)	(0.2)**	(2)
2*	4/24/92	NR	11:25	29.35	4.0	0.50	5	0.09	NA	0.03	NA	(0.03)	(0.08)	(0.8)
2(X)	4/24/92	NR	11:38	29.35	4.0	0.50	5	0.1	NA	0.02	NA	(0.03)	(0.08)	(0.8)
3	4/10/92	NR	10:24	29.45	5.0	0.50	30	2	NA	0.3	NA	(0.03)	(1)**	(10)
4	4/24/92	NR	11:51	29.35	2.5	0.50	30	0.5	NA	0.3	NA	(0.03)	(0.2)	(2)
5	4/10/92	NR	11:08	29.45	3.0	0.50	30	2	NA	0.2	NA	(0.03)	(0.2)	(2)
6	4/24/92	NR	12:05	29.35	3.0	0.50	30	4	NA	0.4	NA	(0.03)	(0.2)	(2)
7	4/24/92	NR	13:23	29.35	5.0	0.50	30	2	NA	0.3	NA	(0.03)	(0.4)	(4)
8	4/30/92	NR	13:42	29.40	5.0	0.50	30	3	NA	0.4**	NA	(0.03)	(0.2)	(2)
8(X)	4/30/92	NR	13:55	29.40	5.0	0.50	30	4	NA	0.6	NA	(0.03)	(0.2)	(2)
9	4/10/92	NR	09:45	29.45	5.0	0.50	30	6	NA	0.7	NA	(0.03)	(1)**	(10)
10	4/24/92	NR	13:36	29.35	5.0	0.50	30	6	NA	0.6	NA	(0.03)	(0.4)	(4)
12	4/10/92	NR	12:23	29.45	3.0	0.25	30	8	NA	1	NA	(0.03)	(0.2)	(2)
13	4/30/92	NR	15:14	29.35	3.5	0.50	30	2	NA	0.2**	NA	(0.03)	(1)	(10)
14	4/24/92	NR	13:49	29.35	3.0	0.50	30	8	NA	0.8	NA	(0.03)	(0.4)	(4)
15	5/07/92	NR	17:48	29.40	5.0	0.50	30	6**	NA	0.8**	NA	(0.03)	(0.4)	(4)
16	4/24/92	NR	14:02	29.35	2.5	0.50	30	8	NA	0.9	NA	(0.03)	(0.4)	(4)
17	4/10/92	NR	12:42	29.45	3.0	0.25	30	6	NA	0.7	NA	(0.03)	(1)	(10)
19	4/24/92	NR	14:52	29.35	5.0	0.50	30	6	NA	0.7	NA	(0.03)	(0.4)	(4)
20	4/10/92	NR	09:15	29.45	5.0	0.50	30	7	NA	0.9	NA	(0.03)	(1)**	(10)
23	4/24/92	NR	14:33	29.35	4.5	0.50	30	3	NA	0.2	NA	(0.03)	(0.4)	(4)
24	4/30/92	NR	14:33	29.40	2.5	0.50	30	11	NA	2**	NA	(0.03)	(1)	(10)
25	4/10/92	NR	08:58	29.45	5.0	0.50	30	12	NA	1	NA	(0.03)	(1)	(10)
26	4/30/92	NR	14:13	29.40	5.0	0.50	30	7	NA	0.7**	NA	(0.03)	(1)	(10)
27	4/10/92	NR	08:32	29.45	5.0	0.50	30	10	NA	1	NA	(0.03)	(0.08)	(0.8)
28	4/15/92	NR	09:14	29.45	5.0	0.50	30	0.5	NA	0.04	NA	(0.03)	(0.08)	(0.8)
29	4/15/92	NR	09:30	29.45	3.0	0.50	30	0.2	NA	0.03	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
1	4/10/92	NR	10:46	29.45	5.0	0.50	30	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	74
2*	4/24/92	NR	11:25	29.35	4.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	3
2(X)	4/24/92	NR	11:38	29.35	4.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	4
3	4/10/92	NR	10:24	29.45	5.0	0.50	30	(10)	(0.006)**	(0.01)	(0.01)**	NA	NA	95
4	4/24/92	NR	11:51	29.35	2.5	0.50	30	(2)	(0.006)	(0.01)	(0.01)**	NA	NA	170
5	4/10/92	NR	11:08	29.45	3.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	79
6	4/24/92	NR	12:05	29.35	3.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)**	NA	NA	230
7	4/24/92	NR	13:23	29.35	5.0	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)**	NA	NA	420
8	4/30/92	NR	13:42	29.40	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	400
8(X)	4/30/92	NR	13:55	29.40	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	450
9	4/10/92	NR	09:45	29.45	5.0	0.50	30	(10)	(0.006)**	(0.01)	(0.01)**	NA	NA	270
10	4/24/92	NR	13:36	29.35	5.0	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)**	NA	NA	430
12	4/10/92	NR	12:23	29.45	3.0	0.25	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	260
13	4/30/92	NR	15:14	29.35	3.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	360
14	4/24/92	NR	13:49	29.35	3.0	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)**	NA	NA	500
15	5/07/92	NR	17:48	29.40	5.0	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)	NA	NA	550
16	4/24/92	NR	14:02	29.35	2.5	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)**	NA	NA	720
17	4/10/92	NR	12:42	29.45	3.0	0.25	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	340
19	4/24/92	NR	14:52	29.35	5.0	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)**	NA	NA	600
20	4/10/92	NR	09:15	29.45	5.0	0.50	30	(10)	(0.006)**	(0.01)	(0.01)**	NA	NA	550
23	4/24/92	NR	14:33	29.35	4.5	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)**	NA	NA	420
24	4/30/92	NR	14:33	29.40	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	1100
25	4/10/92	NR	08:58	29.45	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	570
26	4/30/92	NR	14:13	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	780
27	4/10/92	NR	08:32	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	550
28	4/15/92	NR	09:14	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	5
29	4/15/92	NR	09:30	29.45	3.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)	NA	NA	1

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
1	4/10/92	NR	10:46	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	20.1	79.4	0.020
2*	4/24/92	NR	11:25	29.35	4.0	0.50	5	NA	NA	(.1)	(0.01)**	0.1	22.4	77.5	0.004
2(X)	4/24/92	NR	11:38	29.35	4.0	0.50	5	NA	NA	(.1)	(0.01)	0.1	23.2	76.7	0.004
3	4/10/92	NR	10:24	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.8	78.8	0.014
4	4/24/92	NR	11:51	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)**	0.5	20.6	78.9	0.024
5	4/10/92	NR	11:08	29.45	3.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.2	79.3	0.025
6	4/24/92	NR	12:05	29.35	3.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	19.6	80.0	0.020
7	4/24/92	NR	13:23	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.9	19.7	79.4	0.046
8	4/30/92	NR	13:42	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	19.7	79.8	0.025
8(X)	4/30/92	NR	13:55	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.3	80.2	0.031
9	4/10/92	NR	09:45	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	19.6	80	0.020
10	4/24/92	NR	13:36	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	20.2	79.2	0.025
12	4/10/92	NR	12:23	29.45	3.0	0.25	30	NA	NA	(.1)	(0.01)	0.6	19.3	80.1	0.031
13	4/30/92	NR	15:14	29.35	3.5	0.50	30	NA	NA	(.1)	(0.01)	1.0	20.1	78.9	0.050
14	4/24/92	NR	13:49	29.35	3.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	21.3	78.5	0.014
15	5/07/92	NR	17:48	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	21.0	78.4	0.029
16	4/24/92	NR	14:02	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)**	0.8	19.2	79.9	0.042
17	4/10/92	NR	12:42	29.45	3.0	0.25	30	NA	NA	(.1)	(0.01)	0.4	19.8	79.8	0.020
19	4/24/92	NR	14:52	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.1	19.4	79.5	0.057
20	4/10/92	NR	09:15	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	17.4	81.6	0.052
23	4/24/92	NR	14:33	29.35	4.5	0.50	30	NA	NA	(.1)	(0.01)**	0.5	20.8	78.8	0.024
24	4/30/92	NR	14:33	29.40	2.5	0.50	30	NA	NA	(.1)	(0.01)	1.6	18.1	80.3	0.088
25	4/10/92	NR	08:58	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	18	80.8	0.067
26	4/30/92	NR	14:13	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.9	78.2	0.038
27	4/10/92	NR	08:32	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.8	16.9	81.3	0.107
28	4/15/92	NR	09:14	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.1	79.6	0.015
29	4/15/92	NR	09:30	29.45	3.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.1	79.3	0.030

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
30	4/15/92	NR	10:08	29.45	4.5	0.50	30	1	NA	(0.2)	NA	0.1	0.4	(0.1)
31	4/15/92	NR	10:20	29.45	5.0	0.50	5	1	NA	(0.2)	NA	0.2	0.6	(0.1)
32	4/15/92	NR	10:37	29.45	5.0	0.50	30	1	NA	(0.2)	NA	0.06	0.8	(0.1)
33	4/15/92	NR	08:56	29.45	5.0	0.50	30	2	NA	(0.2)	NA	0.7	0.3	(0.1)
34	4/15/92	NR	12:39	29.45	5.0	0.50	30	3	NA	(9)	NA	2	0.3	(5)
35	4/15/92	NR	08:35	29.45	5.0	0.50	30	7	NA	(0.2)	NA	0.8	3	(0.1)
36	4/15/92	NR	10:52	29.45	5.0	0.50	2	6	NA	(0.2)	NA	0.05	6	(0.1)
37	4/15/92	NR	13:52	29.45	5.0	0.50	30	11	NA	(0.7)	NA	0.09	7	(0.4)
38	4/15/92	NR	14:05	29.45	5.0	0.50	30	19	NA	(0.7)	NA	0.2	16	(0.4)
39	3/23/92	NR	09:35	29.50	5.0	0.50	30	9	NA	(0.2)	NA	0.1	9	(0.1)
40	4/15/92	NR	11:35	29.45	2.5	0.50	30	2	NA	(0.7)	NA	0.03	1	(0.4)
41	5/14/92	NR	14:27	29.40	5.0	0.50	6	86	NA	(2)	NA	0.4	16	(1)
42	3/24/92	NR	16:24	29.50	5.0	0.50	30	4	NA	(0.7)	NA	0.04	2	(0.4)
43*	4/15/92	NR	11:51	29.45	5.0	0.50	5	2	NA	(0.7)	NA	0.02	0.5	(0.4)
43(X)	4/15/92	NR	12:03	29.45	5.0	0.50	5	2	NA	(0.7)	NA	0.02	0.4	(0.4)
44	5/14/92	NR	15:00	29.40	5.0	0.50	6	52	NA	(10)	NA	1	11	(5)
46	4/15/92	NR	12:16	29.45	5.0	0.50	30	4	NA	(0.2)	NA	0.02	2	(0.1)
47	3/23/92	NR	12:53	29.50	5.0	0.50	30	3	NA	(0.7)	NA	0.07	3	(0.4)
48	3/23/92	NR	13:06	29.50	5.0	0.50	30	3	NA	(0.7)	NA	0.07	2	(0.4)
48(X)	3/23/92	NR	13:19	29.50	5.0	0.50	30	4	NA	(0.7)	NA	0.06	2	(0.4)
49	3/23/92	NR	15:05	29.50	5.0	0.50	30	3**	NA	(2)	NA	0.08**	2**	(1)
50	3/23/92	NR	10:53	29.50	5.0	0.50	30	2	NA	(0.7)	NA	0.06	1	(0.4)
51	3/23/92	NR	11:11	29.50	5.0	0.50	30	1	NA	(0.7)	NA	0.04	0.4	(0.4)
52	3/23/92	NR	15:21	29.50	5.0	0.50	30	1**	NA	(0.7)	NA	0.05**	0.4**	(0.4)
53	3/23/92	NR	10:39	29.50	5.0	0.50	5.0	0.7	NA	(0.7)	NA	0.04	0.2	(0.4)
54	3/23/92	NR	11:24	29.50	5.0	0.50	30	0.3	NA	(0.7)	NA	0.04	0.04	(0.4)
56*	4/08/92	NR	09:32	29.50	5.0	0.50	30	3	NA	(0.7)	NA	0.03	2	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
30	4/15/92	NR	10:08	29.45	4.5	0.50	30	1	NA	0.06	NA	(0.03)	(0.02)	(0.2)
31	4/15/92	NR	10:20	29.45	5.0	0.50	5	2	NA	0.07	NA	(0.03)	(0.02)	(0.2)
32	4/15/92	NR	10:37	29.45	5.0	0.50	30	3	NA	0.04	NA	(0.03)	(0.02)	(0.2)
33	4/15/92	NR	08:56	29.45	5.0	0.50	30	1	NA	0.2	NA	(0.03)	(0.02)	(0.2)
34	4/15/92	NR	12:39	29.45	5.0	0.50	30	0.2	NA	0.2	NA	(0.03)	(1)	(10)
35	4/15/92	NR	08:35	29.45	5.0	0.50	30	19	NA	0.2	NA	(0.03)	(0.02)	(0.2)
36	4/15/92	NR	10:52	29.45	5.0	0.50	2	19	NA	0.1	NA	(0.03)	(0.02)	(0.2)
37	4/15/92	NR	13:52	29.45	5.0	0.50	30	48	NA	0.4	NA	(0.03)	(0.08)	(0.8)
38	4/15/92	NR	14:05	29.45	5.0	0.50	30	150	NA	1	NA	(0.03)	(0.08)	(0.8)
39	3/23/92	NR	09:35	29.50	5.0	0.50	30	120	NA	.9	NA	(0.03)	(0.02)	(0.2)
40	4/15/92	NR	11:35	29.45	2.5	0.50	30	4	NA	0.03	NA	(0.03)	(0.08)	(0.8)
41	5/14/92	NR	14:27	29.40	5.0	0.50	6	190	NA	1	NA	(0.03)	(0.2)	(2)
42	3/24/92	NR	16:24	29.50	5.0	0.50	30	18	NA	0.06	NA	(0.03)	(0.08)	(0.8)
43*	4/15/92	NR	11:51	29.45	5.0	0.50	5	0.8	NA	0.01	NA	(0.03)	(0.08)	(0.8)
43(X)	4/15/92	NR	12:03	29.45	5.0	0.50	5	0.6	NA	0.008	NA	(0.03)	(0.08)	(0.8)
44	5/14/92	NR	15:00	29.40	5.0	0.50	6	97	NA	0.5	NA	(0.03)	(1)	(10)
46	4/15/92	NR	12:16	29.45	5.0	0.50	30	4	NA	0.04	NA	(0.03)	(0.02)	(0.2)
47	3/23/92	NR	12:53	29.50	5.0	0.50	30	14	NA	.7	NA	(0.03)**	(0.08)	(0.08)
48	3/23/92	NR	13:06	29.50	5.0	0.50	30	13	NA	.7	NA	(0.03)**	(0.08)	(0.8)
48(X)	3/23/92	NR	13:19	29.50	5.0	0.50	30	11	NA	.6	NA	(0.03)	(0.08)	(0.8)
49	3/23/92	NR	15:05	29.50	5.0	0.50	30	8**	NA	.7	NA	(0.03)	(0.2)	(2)
50	3/23/92	NR	10:53	29.50	5.0	0.50	30	7	NA	.4	NA	(0.03)	(0.08)	(0.8)
51	3/23/92	NR	11:11	29.50	5.0	0.50	30	1	NA	.3	NA	(0.03)**	(0.08)	(0.8)
52	3/23/92	NR	15:21	29.50	5.0	0.50	30	1**	NA	.3	NA	(0.03)	(0.08)	(0.8)
53	3/23/92	NR	10:39	29.50	5.0	0.50	5.0	0.4	NA	.2	NA	(0.03)	(0.08)	(0.8)
54	3/23/92	NR	11:24	29.50	5.0	0.50	30	0.02	NA	.1	NA	(0.03)**	(0.08)	(0.8)
56*	4/08/92	NR	09:32	29.50	5.0	0.50	30	4	NA	0.3	NA	(0.03)	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
30	4/15/92	NR	10:08	29.45	4.5	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)	NA	NA	2
31	4/15/92	NR	10:20	29.45	5.0	0.50	5	(0.2)	(0.006)**	(0.01)	(0.01)	NA	NA	2
32	4/15/92	NR	10:37	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1
33	4/15/92	NR	08:56	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	53
34	4/15/92	NR	12:39	29.45	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	81
35	4/15/92	NR	08:35	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	40
36	4/15/92	NR	10:52	29.45	5.0	0.50	2	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
37	4/15/92	NR	13:52	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	10
38	4/15/92	NR	14:05	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	29
39	3/23/92	NR	09:35	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	34
40	4/15/92	NR	11:35	29.45	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
41	5/14/92	NR	14:27	29.40	5.0	0.50	6	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	87
42	3/24/92	NR	16:24	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.4
43*	4/15/92	NR	11:51	29.45	5.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
43(X)	4/15/92	NR	12:03	29.45	5.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
44	5/14/92	NR	15:00	29.40	5.0	0.50	6	(10)	(0.006)**	(0.01)	(0.01)**	NA	NA	40
46	4/15/92	NR	12:16	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
47	3/23/92	NR	12:53	29.50	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	6
48	3/23/92	NR	13:06	29.50	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	5
48(X)	3/23/92	NR	13:19	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6
49	3/23/92	NR	15:05	29.50	5.0	0.50	30	(2)**	(0.006)	(0.01)	(0.01)	NA	NA	7**
50	3/23/92	NR	10:53	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	4
51	3/23/92	NR	11:11	29.50	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	2
52	3/23/92	NR	15:21	29.50	5.0	0.50	30	(0.8)**	(0.006)	(0.01)	(0.01)	NA	NA	3**
53	3/23/92	NR	10:39	29.50	5.0	0.50	5.0	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	2
54	3/23/92	NR	11:24	29.50	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.7
56*	4/08/92	NR	09:32	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ' = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
30	4/15/92	NR	10:08	29.45	4.5	0.50	30	NA	NA	(.1)	(0.01)	0.5	19.7	79.8	0.025
31	4/15/92	NR	10:20	29.45	5.0	0.50	5	NA	NA	(.1)	(0.01)	0.2	19.8	80	0.010
32	4/15/92	NR	10:37	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	21.2	78.5	0.014
33	4/15/92	NR	08:56	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.3	79.2	0.025
34	4/15/92	NR	12:39	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.9	18.8	79.4	0.101
35	4/15/92	NR	08:35	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	18.6	80.3	0.059
36	4/15/92	NR	10:52	29.45	5.0	0.50	2	NA	NA	(.1)	(0.01)	0.5	19.6	80	0.026
37	4/15/92	NR	13:52	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	18.6	80.8	0.032
38	4/15/92	NR	14:05	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.1	17.6	81.3	0.062
39	3/23/92	NR	09:35	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.6	16.3	81.2	0.160
40	4/15/92	NR	11:35	29.45	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.5	79.3	0.015
41	5/14/92	NR	14:27	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.2	19.6	79.2	0.061
42	3/24/92	NR	16:24	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.9	18.8	80.3	0.048
43*	4/15/92	NR	11:51	29.45	5.0	0.50	5	NA	NA	(.1)	(0.01)**	0.2	21.1	78.7	0.009
43(X)	4/15/92	NR	12:03	29.45	5.0	0.50	5	NA	NA	(.1)	(0.01)	0.1	21.4	78.5	0.005
44	5/14/92	NR	15:00	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)**	0.4	22.2	77.4	0.018
46	4/15/92	NR	12:16	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	19.5	80.2	0.015
47	3/23/92	NR	12:53	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	20.7	79.1	0.019
48	3/23/92	NR	13:06	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.4	79.6	0.052
48(X)	3/23/92	NR	13:19	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	18.0	80.9	0.044
49	3/23/92	NR	15:05	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.5	79.0	0.024
50	3/23/92	NR	10:53	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.3	18.7	80.0	0.070
51	3/23/92	NR	11:11	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	17.9	80.4	0.095
52	3/23/92	NR	15:21	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.5	18.0	79.5	0.139
53	3/23/92	NR	10:39	29.50	5.0	0.50	5.0	NA	NA	(.1)	(0.01)**	1.9	18.5	79.6	0.103
54	3/23/92	NR	11:24	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.3	17.6	80.2	0.131
56*	4/08/92	NR	09:32	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.1	21	78.9	0.005

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
57*	3/10/92	NR	14:27	29.50	4.5	0.60	36	0.6**	NA	(0.7)	NA	0.05	0.9	(0.4)
58*	4/08/92	NR	09:16	29.50	3.0	0.50	30	3	NA	(0.7)	NA	0.04	2	(0.4)
60	3/10/92	NR	14:47	29.50	5.0	0.60	36	1**	NA	(0.7)	NA	0.07	1	(0.4)
61	4/08/92	NR	08:48	29.50	5.0	0.50	30	2	NA	(0.2)	NA	0.06	0.9	(0.4)
62	4/08/92	NR	09:03	29.50	5.0	0.50	30	1	NA	(0.7)	NA	0.04	0.8	(0.4)
63	4/07/92	NR	13:25	29.50	5.0	0.50	30	2**	NA	(0.7)	NA	0.05	2	(0.4)
64	3/23/92	NR	15:58	29.50	5.0	0.50	30	2**	NA	(0.7)	NA	0.09**	1**	(0.4)
65	3/24/92	NR	09:31	29.60	5.0	0.50	30	2	NA	(0.7)	NA	0.2	1	(0.4)
66	4/07/92	NR	13:59	29.45	5.0	0.50	30	0.9	NA	(0.2)	NA	0.2	0.3	(0.1)
66(X)	4/07/92	NR	14:17	29.45	5.0	0.50	30	1	NA	(0.2)	NA	0.2	0.4	(0.1)
67	3/24/92	NR	09:16	29.60	5.0	0.50	2.0	2	NA	(0.7)	NA	0.1	1	(0.4)
68	3/24/92	NR	10:04	29.60	5.0	0.50	30	2	NA	(0.7)	NA	0.2	2	(0.4)
69*	3/24/92	NR	10:17	29.60	5.0	0.50	3.0	0.09	NA	(0.7)	NA	0.09	0.06	(0.4)
70	3/24/92	NR	10:37	29.60	5.0	0.50	2.5	1	NA	(0.7)	NA	3	0.3	(0.4)
71	4/07/92	NR	14:52	29.45	5.0	0.50	30	0.6	NA	(0.2)	NA	0.4	0.2	(0.1)
72*	4/07/92	NR	15:12	29.45	5.0	0.50	30	1	NA	(0.2)	NA	0.6	0.3	(0.1)
73	3/24/92	NR	09:02	29.60	5.0	0.50	30	2	NA	(0.7)	NA	0.3	1	(0.4)
74	3/24/92	NR	13:13	29.55	5.0	0.50	30	2	NA	(0.7)	NA	4	0.8	(0.4)
75	3/24/92	NR	11:09	29.60	5.0	0.50	30	2	NA	(0.2)	NA	1	0.4	(0.1)
76	3/24/92	NR	15:27	29.50	5.0	0.50	30	3	NA	(2)	NA	3	0.7	(1)
77	4/07/92	NR	15:57	29.45	5.0	0.50	30	3**	NA	(0.2)	NA	4	0.6	(0.1)
78	3/23/92	NR	13:32	29.50	5.0	0.50	30	4	NA	(0.7)	NA	0.1	3	(0.4)
79	3/23/92	NR	14:53	29.50	5.0	0.50	30	4**	NA	(2)	NA	0.2**	3**	(1)
80	3/23/92	NR	13:54	29.50	5.0	0.50	30	2	NA	(0.7)	NA	0.4	1	(0.4)
81	3/24/92	NR	13:36	29.55	5.0	0.50	30	2	NA	(0.7)	NA	2	0.6	(0.4)
81(X)	3/24/92	NR	13:49	29.55	5.0	0.50	30	2	NA	(0.7)	NA	2	0.7	(0.4)
82	3/24/92	NR	14:06	29.55	5.0	0.50	30	3	NA	(2)	NA	3	0.6	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
57*	3/10/92	NR	14:27	29.50	4.5	0.60	36	2	NA	.3	NA	(0.03)	(0.08)	(0.8)
58*	4/08/92	NR	09:16	29.50	3.0	0.50	30	5	NA	0.4	NA	(0.03)	(0.08)	(0.8)
60	3/10/92	NR	14:47	29.50	5.0	0.60	36	3	NA	.6	NA	(0.03)	(0.08)	(0.8)
61	4/08/92	NR	08:48	29.50	5.0	0.50	30	3	NA	0.6	NA	(0.03)	(0.02)	(0.2)
62	4/08/92	NR	09:03	29.50	5.0	0.50	30	3	NA	0.2	NA	(0.03)	(0.08)	(0.8)
63	4/07/92	NR	13:25	29.50	5.0	0.50	30	6	NA	1	NA	(0.03)**	(0.08)**	(0.8)
64	3/23/92	NR	15:58	29.50	5.0	0.50	30	8**	NA	3	NA	(0.03)	(0.08)	(0.8)
65	3/24/92	NR	09:31	29.60	5.0	0.50	30	8	NA	3	NA	(0.03)**	(0.08)	(0.8)
66	4/07/92	NR	13:59	29.45	5.0	0.50	30	1	NA	0.3	NA	(0.03)**	(0.02)	(0.2)
66(X)	4/07/92	NR	14:17	29.45	5.0	0.50	30	1	NA	0.4	NA	(0.03)	(0.02)	(0.2)
67	3/24/92	NR	09:16	29.60	5.0	0.50	2.0	4	NA	2	NA	(0.03)**	(0.08)	(0.8)
68	3/24/92	NR	10:04	29.60	5.0	0.50	30	9	NA	4	NA	(0.03)**	(0.08)	(0.8)
69*	3/24/92	NR	10:17	29.60	5.0	0.50	3.0	0.8	NA	0.2	NA	(0.03)**	(0.08)	(0.8)
70	3/24/92	NR	10:37	29.60	5.0	0.50	2.5	3	NA	0.4	NA	(0.03)	(0.08)	(0.8)
71	4/07/92	NR	14:52	29.45	5.0	0.50	30	1	NA	0.3	NA	(0.03)**	(0.02)	(0.2)
72*	4/07/92	NR	15:12	29.45	5.0	0.50	30	5	NA	0.7	NA	(0.03)**	(0.02)	(0.2)
73	3/24/92	NR	09:02	29.60	5.0	0.50	30	10	NA	8	NA	(0.03)	(0.08)	(0.8)
74	3/24/92	NR	13:13	29.55	5.0	0.50	30	17	NA	2	NA	(0.03)	(0.08)	(0.8)
75	3/24/92	NR	11:09	29.60	5.0	0.50	30	11	NA	1	NA	(0.03)	(0.02)	(0.2)
76	3/24/92	NR	15:27	29.50	5.0	0.50	30	15	NA	2	NA	(0.03)	(0.2)	(2)
77	4/07/92	NR	15:57	29.45	5.0	0.50	30	15	NA	2	NA	(0.03)	(0.02)**	(0.2)
78	3/23/92	NR	13:32	29.50	5.0	0.50	30	11	NA	4	NA	(0.03)	(0.08)	(0.8)
79	3/23/92	NR	14:53	29.50	5.0	0.50	30	14**	NA	9	NA	(0.03)	(0.2)	(2)
80	3/23/92	NR	13:54	29.50	5.0	0.50	30	12	NA	17	NA	(0.03)	(0.08)	(0.8)
81	3/24/92	NR	13:36	29.55	5.0	0.50	30	24	NA	2	NA	(0.03)	(0.08)	(0.8)
81(X)	3/24/92	NR	13:49	29.55	5.0	0.50	30	30	NA	3	NA	(0.03)	(0.08)	(0.8)
82	3/24/92	NR	14:06	29.55	5.0	0.50	30	19	NA	3	NA	(0.03)	(0.2)	(2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
57*	3/10/92	NR	14:27	29.50	4.5	0.60	36	(0.8)**	(0.006)	(0.01)	(0.01)	NA	NA	1**
58*	4/08/92	NR	09:16	29.50	3.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6
60	3/10/92	NR	14:47	29.50	5.0	0.60	36	(0.8)**	(0.006)	(0.01)	(0.01)	NA	NA	3**
61	4/08/92	NR	08:48	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	6
62	4/08/92	NR	09:03	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
63	4/07/92	NR	13:25	29.50	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	5**
64	3/23/92	NR	15:58	29.50	5.0	0.50	30	(0.8)**	(0.006)	(0.01)	(0.01)	NA	NA	7**
65	3/24/92	NR	09:31	29.60	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	8
66	4/07/92	NR	13:59	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
66(X)	4/07/92	NR	14:17	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
67	3/24/92	NR	09:16	29.60	5.0	0.50	2.0	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	7
68	3/24/92	NR	10:04	29.60	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	9
69*	3/24/92	NR	10:17	29.60	5.0	0.50	3.0	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
70	3/24/92	NR	10:37	29.60	5.0	0.50	2.5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6
71	4/07/92	NR	14:52	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
72*	4/07/92	NR	15:12	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	6
73	3/24/92	NR	09:02	29.60	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	10
74	3/24/92	NR	13:13	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	9
75	3/24/92	NR	11:09	29.60	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	8
76	3/24/92	NR	15:27	29.50	5.0	0.50	30	(2)	(0.006)	(0.01)**	(0.01)**	NA	NA	18
77	4/07/92	NR	15:57	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	20**
78	3/23/92	NR	13:32	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	9
79	3/23/92	NR	14:53	29.50	5.0	0.50	30	(2)**	(0.006)	(0.01)	(0.01)	NA	NA	12**
80	3/23/92	NR	13:54	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	10
81	3/24/92	NR	13:36	29.55	5.0	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)**	NA	NA	10
81(X)	3/24/92	NR	13:49	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	12
82	3/24/92	NR	14:06	29.55	5.0	0.50	30	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	14

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
57*	3/10/92	NR	14:27	29.50	4.5	0.60	36	NA	NA	(.1)	(0.01)	0.2	23.2	76.8	0.009
58*	4/08/92	NR	09:16	29.50	3.0	0.50	30	NA	NA	(.1)	(0.01)	0.2	20.6	79.2	0.010
60	3/10/92	NR	14:47	29.50	5.0	0.60	36	NA	NA	(.1)	(0.01)	(0.1)	21.6	78.4	
61	4/08/92	NR	08:48	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.0	79.4	0.025
62	4/08/92	NR	09:03	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.3	79.4	0.015
63	4/07/92	NR	13:25	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	19.4	80.3	0.015
64	3/23/92	NR	15:58	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.4	79.0	0.029
65	3/24/92	NR	09:31	29.60	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.8	79.3	0.051
66	4/07/92	NR	13:59	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.8	78.4	0.038
66(X)	4/07/92	NR	14:17	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	19.8	79.1	0.056
67	3/24/92	NR	09:16	29.60	5.0	0.50	2.0	NA	NA	(.1)	(0.01)	0.5	20.4	79.2	0.025
68	3/24/92	NR	10:04	29.60	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.3	79.1	0.030
69*	3/24/92	NR	10:17	29.60	5.0	0.50	3.0	NA	NA	(.1)	(0.01)	0.2	21.6	78.2	0.009
70	3/24/92	NR	10:37	29.60	5.0	0.50	2.5	NA	NA	(.1)	(0.01)	0.1	19.3	80.6	0.005
71	4/07/92	NR	14:52	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.6	78.8	0.029
72*	4/07/92	NR	15:12	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.2	21.5	78.3	0.009
73	3/24/92	NR	09:02	29.60	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.1	79.9	0.047
74	3/24/92	NR	13:13	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.2	77.9	0.045
75	3/24/92	NR	11:09	29.60	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.2	79.0	0.040
76	3/24/92	NR	15:27	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	20.3	79.2	0.025
77	4/07/92	NR	15:57	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.8	78.6	0.029
78	3/23/92	NR	13:32	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	19.0	79.9	0.058
79	3/23/92	NR	14:53	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	17.7	81.0	0.073
80	3/23/92	NR	13:54	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.2	79.8	0.052
81	3/24/92	NR	13:36	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	20.6	78.8	0.029
81(X)	3/24/92	NR	13:49	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	19.7	79.6	0.036
82	3/24/92	NR	14:06	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	20.1	79.6	0.015

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
83	3/24/92	NR	14:22	29.55	5.0	0.50	30	6	NA	(2)	NA	9	1	(1)
84	3/24/92	NR	15:07	29.50	5.0	0.50	30	6	NA	(2)	NA	10	0.9	(1)
85	3/23/92	NR	14:38	29.50	5.0	0.50	30	2	NA	(2)	NA	0.4	1	(1)
86B	5/06/92	NR	13:24	29.35	5.0	0.50	30	17	NA	(0.7)	NA	4	0.7	(0.4)
87*	3/24/92	NR	16:04	29.50	5.0	0.50	10	2	NA	(0.7)	NA	2	0.2	(0.4)
88	5/08/92	NR	15:01	29.30	5.0	0.50	5	33	NA	(35)	NA	15	0.4	(10)
89	5/08/92	NR	14:37	29.30	5.0	0.50	5	37	NA	(2)	NA	14	0.8	(1)
90	5/14/92	NR	12:05	29.45	5.0	0.50	6	68	NA	(4)	NA	18	0.8	(2)
91	5/08/92	NR	14:11	29.30	5.0	0.50	5	110	NA	(2)	NA	62	1	(1)
91(X)	5/08/92	NR	14:24	29.30	5.0	0.50	5	120	NA	(2)	NA	69	1	(1)
92	5/08/92	NR	13:57	29.35	5.0	0.50	5	100	NA	(2)	NA	66	2	(1)
93	5/14/92	NR	11:40	29.45	5.0	0.50	6	115	NA	(2)	NA	64	1	(1)
94	5/14/92	NR	10:44	29.45	5.0	0.50	6	150	NA	(2)	NA	45	0.8	(1)
95	5/08/92	NR	10:59	29.35	5.0	0.50	6	1	NA	(2)	NA	0.3	0.06	(1)
96	5/08/92	NR	10:21	29.35	5.0	0.50	6	13	NA	(2)	NA	2	0.1	(1)
97	5/14/92	NR	10:17	29.45	5.0	0.50	6	69	NA	(2)	NA	12	0.3	(1)
98	5/14/92	NR	10:57	29.45	5.0	0.50	6	93	NA	(2)	NA	16	1	(1)
99	4/15/92	NR	15:17	29.45	5.0	0.50	30	38	NA	(0.7)	NA	33	3	(0.4)
100	3/19/92	NR	10:29	29.40	5.0	0.50	2.0	0.9	NA	(2)**	NA	14	1	(1)
101	3/18/92	NR	16:14	29.40	5.0	0.50	30	0.4	NA	(2)	NA	3	0.4	(1)
101(X)	3/18/92	NR	16:27	29.40	5.0	0.50	30	0.4	NA	(2)	NA	3	0.4	(1)
102	3/19/92	NR	09:39	29.40	5.0	0.69	NR	1	NA	(2)**	NA	21	1	(1)
103	3/10/92	NR	11:22	29.55	4.0	0.60	12	0.03**	NA	(0.2)	NA	0.1	0.01	(0.1)
104	3/19/92	NR	08:58	29.40	5.0	0.50	30	0.9	NA	(2)	NA	8	0.8	(1)
105	3/10/92	NR	09:30	29.60	5.0	3.00	1.9	0.03	NA	(0.2)	NA	0.1	0.003	(0.1)
106	3/10/92	NR	13:05	29.50	5.0	0.60	36	0.2**	NA	(0.2)	NA	1	0.2	(0.1)
106(X)	3/10/92	NR	13:18	29.50	5.0	0.60	36	0.3	NA	(0.7)	NA	2	0.2	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
83	3/24/92	NR	14:22	29.55	5.0	0.50	30	28	NA	6	NA	(0.03)	(0.2)	(2)
84	3/24/92	NR	15:07	29.50	5.0	0.50	30	15	NA	3	NA	(0.03)	(0.2)	(2)
85	3/23/92	NR	14:38	29.50	5.0	0.50	30	10	NA	15	NA	(0.03)	(0.2)	(2)
86B	5/06/92	NR	13:24	29.35	5.0	0.50	30	59	NA	6	NA	(0.03)	(0.08)	(0.8)
87*	3/24/92	NR	16:04	29.50	5.0	0.50	10	2	NA	0.9	NA	(0.03)	(0.08)	(0.8)
88	5/08/92	NR	15:01	29.30	5.0	0.50	5	690	NA	2	NA	(0.03)	(2)	(20)
89	5/08/92	NR	14:37	29.30	5.0	0.50	5	650	NA	8	NA	(0.03)	(0.2)	(2)
90	5/14/92	NR	12:05	29.45	5.0	0.50	6	380	NA	6	NA	(0.03)	(0.4)**	(4)
91	5/08/92	NR	14:11	29.30	5.0	0.50	5	43	NA	10	NA	(0.03)	(0.2)	(2)
91(X)	5/08/92	NR	14:24	29.30	5.0	0.50	5	49	NA	12	NA	(0.03)	(0.2)	(2)
92	5/08/92	NR	13:57	29.35	5.0	0.50	5	35	NA	12	NA	(0.03)	(0.2)	(2)
93	5/14/92	NR	11:40	29.45	5.0	0.50	6	18	NA	5	NA	(0.03)	(0.2)**	(2)
94	5/14/92	NR	10:44	29.45	5.0	0.50	6	23	NA	5	NA	(0.03)	(0.2)**	(2)
95	5/08/92	NR	10:59	29.35	5.0	0.50	6	0.5	NA	1	NA	(0.03)	(0.2)	(2)
96	5/08/92	NR	10:21	29.35	5.0	0.50	6	58	NA	8	NA	(0.03)	(0.2)	(2)
97	5/14/92	NR	10:17	29.45	5.0	0.50	6	41	NA	2	NA	(0.03)	(0.2)**	(2)
98	5/14/92	NR	10:57	29.45	5.0	0.50	6	23	NA	5	NA	(0.03)	(0.2)**	(2)
99	4/15/92	NR	15:17	29.45	5.0	0.50	30	26	NA	10	NA	(0.03)	(0.08)	(0.8)
100	3/19/92	NR	10:29	29.40	5.0	0.50	2.0	2	NA	.4	NA	(0.03)	(0.2)	(2)
101	3/18/92	NR	16:14	29.40	5.0	0.50	30	0.4	NA	0.1	NA	(0.03)**	(0.2)**	(2)
101(X)	3/18/92	NR	16:27	29.40	5.0	0.50	30	0.5	NA	0.1	NA	(0.03)	(0.2)	(2)
102	3/19/92	NR	09:39	29.40	5.0	0.69	NR	1	NA	.1	NA	(0.03)	(0.2)	(2)
103	3/10/92	NR	11:22	29.55	4.0	0.60	12	0.2	NA	.02	NA	(0.03)	(0.02)	(0.2)
104	3/19/92	NR	08:58	29.40	5.0	0.50	30	0.7	NA	.2	NA	(0.03)	(0.2)	(2)
105	3/10/92	NR	09:30	29.60	5.0	3.00	1.9	0.4	NA	.05	NA	(0.03)	(0.02)	(0.2)
106	3/10/92	NR	13:05	29.50	5.0	0.60	36	0.8	NA	.1	NA	(0.03)	(0.02)	(0.2)
106(X)	3/10/92	NR	13:18	29.50	5.0	0.60	36	1	NA	.2	NA	(0.03)	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
83	3/24/92	NR	14:22	29.55	5.0	0.50	30	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	31
84	3/24/92	NR	15:07	29.50	5.0	0.50	30	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	31
85	3/23/92	NR	14:38	29.50	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	7
86B	5/06/92	NR	13:24	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	34
87*	3/24/92	NR	16:04	29.50	5.0	0.50	10	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	12
88	5/08/92	NR	15:01	29.30	5.0	0.50	5	(20)	(0.006)	(0.01)	(0.01)	NA	NA	30
89	5/08/92	NR	14:37	29.30	5.0	0.50	5	(2)	(0.006)	(0.01)	(0.01)	NA	NA	45
90	5/14/92	NR	12:05	29.45	5.0	0.50	6	(4)	(0.006)	(0.01)	(0.01)	NA	NA	57
91	5/08/92	NR	14:11	29.30	5.0	0.50	5	(2)	(0.006)	(0.01)	(0.01)	NA	NA	110
91(X)	5/08/92	NR	14:24	29.30	5.0	0.50	5	(2)	(0.006)	(0.01)	(0.01)	NA	NA	130
92	5/08/92	NR	13:57	29.35	5.0	0.50	5	(2)	(0.006)	(0.01)	(0.01)	NA	NA	160
93	5/14/92	NR	11:40	29.45	5.0	0.50	6	(2)	(0.006)	(0.01)	(0.01)	NA	NA	142
94	5/14/92	NR	10:44	29.45	5.0	0.50	6	(2)	(0.006)	(0.01)	(0.01)	NA	NA	120
95	5/08/92	NR	10:59	29.35	5.0	0.50	6	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	3
96	5/08/92	NR	10:21	29.35	5.0	0.50	6	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	15
97	5/14/92	NR	10:17	29.45	5.0	0.50	6	(2)	(0.006)	(0.01)	(0.01)	NA	NA	38
98	5/14/92	NR	10:57	29.45	5.0	0.50	6	(2)	(0.006)	(0.01)	(0.01)	NA	NA	120
99	4/15/92	NR	15:17	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)	NA	NA	89
100	3/19/92	NR	10:29	29.40	5.0	0.50	2.0	(2)	(0.006)	(0.01)	(0.01)	NA	NA	190
101	3/18/92	NR	16:14	29.40	5.0	0.50	30	(2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	110
101(X)	3/18/92	NR	16:27	29.40	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	120
102	3/19/92	NR	09:39	29.40	5.0	0.69	NR	(2)	(0.006)	(0.01)	(0.01)	NA	NA	230
103	3/10/92	NR	11:22	29.55	4.0	0.60	12	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	6**
104	3/19/92	NR	08:58	29.40	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	220
105	3/10/92	NR	09:30	29.60	5.0	3.00	1.9	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	2
106	3/10/92	NR	13:05	29.50	5.0	0.60	36	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	20**
106(X)	3/10/92	NR	13:18	29.50	5.0	0.60	36	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	39

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
83	3/24/92	NR	14:22	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	21.2	78.3	0.024
84	3/24/92	NR	15:07	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	19.8	79.6	0.030
85	3/23/92	NR	14:38	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	18.7	79.6	0.091
86B	5/06/92	NR	13:24	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.9	79.1	0.045
87*	3/24/92	NR	16:04	29.50	5.0	0.50	10	NA	NA	(.1)	(0.01)**	0.2	20.8	78.9	0.010
88	5/08/92	NR	15:01	29.30	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.9	19.7	78.5	0.096
89	5/08/92	NR	14:37	29.30	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.8	18.8	79.4	0.096
90	5/14/92	NR	12:05	29.45	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.4	19.8	78.8	0.071
91	5/08/92	NR	14:11	29.30	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.6	18.9	79.6	0.085
91(X)	5/08/92	NR	14:24	29.30	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.7	18.5	79.8	0.092
92	5/08/92	NR	13:57	29.35	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.8	18.9	79.4	0.095
93	5/14/92	NR	11:40	29.45	5.0	0.50	6	NA	NA	(.1)	(0.01)**	2.4	19.7	77.9	0.122
94	5/14/92	NR	10:44	29.45	5.0	0.50	6	NA	NA	(.1)	(0.01)**	2.3	19.4	78.3	0.119
95	5/08/92	NR	10:59	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.4	19.8	78.8	0.071
96	5/08/92	NR	10:21	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.1	18.8	80.2	0.059
97	5/14/92	NR	10:17	29.45	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.5	20.6	77.9	0.073
98	5/14/92	NR	10:57	29.45	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.2	20.0	78.8	0.060
99	4/15/92	NR	15:17	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	19.7	79.9	0.020
100	3/19/92	NR	10:29	29.40	5.0	0.50	2.0	NA	NA	(.1)	(0.01)	1.1	18.3	80.6	0.060
101	3/18/92	NR	16:14	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.7	19.4	79.9	0.036
101(X)	3/18/92	NR	16:27	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.3	80.1	0.031
102	3/19/92	NR	09:39	29.40	5.0	0.69	NR	NA	NA	(.1)	(0.01)	0.6	16.9	82.5	0.036
103	3/10/92	NR	11:22	29.55	4.0	0.60	12	NA	NA	(.1)	(0.01)	0.4	21.5	78.1	0.019
104	3/19/92	NR	08:58	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.1	79.5	0.025
105	3/10/92	NR	09:30	29.60	5.0	3.00	1.9	NA	NA	(.1)	(0.01)	(0.1)	22.1	77.9	
106	3/10/92	NR	13:05	29.50	5.0	0.60	36	NA	NA	(.1)	(0.01)	0.7	21.2	78.1	0.033
106(X)	3/10/92	NR	13:18	29.50	5.0	0.60	36	NA	NA	(.1)	(0.01)	0.4	19.8	79.8	0.020

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˙ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
107	3/18/92	NR	15:47	29.40	5.0	0.50	30	0.4	NA	(0.7)	NA	3	0.5	(0.4)
111	3/18/92	NR	16:48	29.40	5.0	0.50	30	0.3	NA	(2)	NA	1	0.08	(1)
113	4/30/92	NR	11:10	29.40	5.0	0.50	30	0.7	NA	(0.7)	NA	0.6	0.08	(0.4)
114	4/30/92	NR	10:56	29.40	5.0	0.50	3.8	1	NA	(0.7)	NA	0.9	0.1	(0.4)
116	4/30/92	NR	11:44	29.40	5.0	0.50	30	0.3	NA	(0.7)	NA	0.2	0.01	(0.4)
117	4/30/92	NR	10:23	29.40	5.0	0.50	30	7	NA	(0.7)	NA	0.8	0.9	(0.4)
119	4/30/92	NR	10:36	29.40	5.0	0.50	30	5	NA	(0.7)	NA	0.6	0.6	(0.4)
120	4/13/92	NR	16:48	29.40	5.0	0.50	30	0.05	NA	(0.7)	NA	0.05	(0.0004)	(0.4)
121	5/14/92	NR	16:48	29.40	5.0	0.50	6	23	NA	(2)	NA	5	1	(1)
121(X)	5/14/92	NR	17:01	29.35	5.0	0.50	6	25	NA	(2)	NA	6	2	(1)
122	5/14/92	NR	17:13	29.35	5.0	0.50	6	45	NA	(2)	NA	2	5	(1)
123	3/19/92	NR	11:05	29.40	5.0	0.50	1.0	0.2	NA	(0.7)**	NA	0.2	0.007	(0.4)
124	4/13/92	NR	17:01	29.40	5.0	0.50	30	0.6	NA	(0.2)	NA	0.08	0.1	(0.1)
125	4/14/92	NR	13:31	29.45	5.0	0.50	30	0.05	NA	(0.7)	NA	0.02	(0.0004)	(0.4)
126	4/06/92	NR	12:24	29.55	5.0	0.50	30	4	NA	(0.7)	NA	0.3	2	(0.4)
127	4/06/92	NR	12:12	29.55	5.0	0.50	5	2	NA	(0.07)	NA	0.2	0.3	(0.4)
128	3/23/92	NR	10:07	29.50	5.0	0.50	30	0.02	NA	(0.7)	NA	(0.002)	(0.0004)	(0.4)
129	4/14/92	NR	13:43	29.45	5.0	0.50	30	0.06	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
130	3/12/92	NR	15:52	29.50	5.0	0.50	30	1	NA	(0.2)	NA	0.2	0.3	(0.1)
131	3/12/92	NR	15:22	29.50	5.0	0.50	30	0.9	NA	(0.2)	NA	0.2	0.1	(0.1)
132	3/12/92	NR	15:08	29.50	5.0	0.50	30	0.3	NA	(0.2)	NA	0.1	0.04	(0.1)
133*	3/12/92	NR	14:53	29.50	5.0	0.50	1.3	0.1	NA	(0.2)	NA	0.1	0.0006	(0.1)
134	3/12/92	NR	14:35	29.50	5.0	0.50	30	0.09	NA	(0.2)	NA	0.1	0.0003	(0.1)
135	5/08/92	NR	12:16	29.35	2.5	0.50	6	0.5	NA	(0.7)	NA	2	0.01	(0.4)
136	5/08/92	NR	11:28	29.35	5.0	0.50	6	3	NA	(2)	NA	1	(0.001)	(1)
137	3/12/92	NR	14:00	29.50	5.0	0.50	30	0.2	NA	(0.2)	NA	0.4	0.0003	(0.1)
138	3/12/92	NR	13:44	29.50	5.0	0.50	30	0.1	NA	(0.2)	NA	0.4	0.0009	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
107	3/18/92	NR	15:47	29.40	5.0	0.50	30	4	NA	0.2	NA	(0.03)**	(0.08)**	(0.8)
111	3/18/92	NR	16:48	29.40	5.0	0.50	30	0.1	NA	0.06	NA	(0.03)**	(0.2)**	(2)
113	4/30/92	NR	11:10	29.40	5.0	0.50	30	4	NA	0.07	NA	(0.03)	(0.08)	(0.8)
114	4/30/92	NR	10:56	29.40	5.0	0.50	3.8	3	NA	0.1	NA	(0.03)	(0.08)	(0.8)
116	4/30/92	NR	11:44	29.40	5.0	0.50	30	1	NA	0.04	NA	(0.03)	(0.08)	(0.8)
117	4/30/92	NR	10:23	29.40	5.0	0.50	30	6	NA	0.1	NA	(0.03)	(0.08)	(0.8)
119	4/30/92	NR	10:36	29.40	5.0	0.50	30	8	NA	0.09	NA	(0.03)	(0.08)	(0.8)
120	4/13/92	NR	16:48	29.40	5.0	0.50	30	0.1	NA	0.03	NA	(0.03)	(0.08)	(0.08)
121	5/14/92	NR	16:48	29.40	5.0	0.50	6	13	NA	0.1**	NA	(0.03)	(0.2)	(2)
121(X)	5/14/92	NR	17:01	29.35	5.0	0.50	6	20	NA	0.2	NA	(0.03)	(0.2)	(2)
122	5/14/92	NR	17:13	29.35	5.0	0.50	6	66	NA	0.4**	NA	(0.03)	(0.2)	(2)
123	3/19/92	NR	11:05	29.40	5.0	0.50	1.0	0.01	NA	.01	NA	(0.03)	(0.08)	(0.8)
124	4/13/92	NR	17:01	29.40	5.0	0.50	30	1	NA	0.02	NA	(0.03)	(0.02)	(0.2)
125	4/14/92	NR	13:31	29.45	5.0	0.50	30	(0.005)	NA	0.007	NA	(0.03)	(0.08)	(0.8)
126	4/06/92	NR	12:24	29.55	5.0	0.50	30	15	NA	0.2	NA	(0.03)	(0.08)	(0.8)
127	4/06/92	NR	12:12	29.55	5.0	0.50	5	1	NA	0.02	NA	(0.03)	(0.08)	(0.8)
128	3/23/92	NR	10:07	29.50	5.0	0.50	30	0.06	NA	.02	NA	(0.03)	(0.08)	(0.8)
129	4/14/92	NR	13:43	29.45	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
130	3/12/92	NR	15:52	29.50	5.0	0.50	30	2	NA	.08	NA	(0.03)	(0.02)	(0.2)**
131	3/12/92	NR	15:22	29.50	5.0	0.50	30	0.5	NA	.07	NA	(0.03)	(0.02)	(0.2)**
132	3/12/92	NR	15:08	29.50	5.0	0.50	30	0.04	NA	.05	NA	(0.03)	(0.02)	(0.2)**
133*	3/12/92	NR	14:53	29.50	5.0	0.50	1.3	4	NA	.2	NA	(0.03)	(0.02)	(0.2)
134	3/12/92	NR	14:35	29.50	5.0	0.50	30	0.8	NA	.1	NA	(0.03)	(0.02)	(0.2)
135	5/08/92	NR	12:16	29.35	2.5	0.50	6	19	NA	0.2	NA	(0.03)	(0.08)	(0.8)
136	5/08/92	NR	11:28	29.35	5.0	0.50	6	10	NA	3	NA	(0.03)	(0.2)	(0.08)
137	3/12/92	NR	14:00	29.50	5.0	0.50	30	3	NA	.6	NA	(0.03)	(0.02)	(0.2)
138	3/12/92	NR	13:44	29.50	5.0	0.50	30	0.2	NA	.6	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
107	3/18/92	NR	15:47	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)	NA	NA	71
111	3/18/92	NR	16:48	29.40	5.0	0.50	30	(2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	75
113	4/30/92	NR	11:10	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	37
114	4/30/92	NR	10:56	29.40	5.0	0.50	3.8	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	40
116	4/30/92	NR	11:44	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	14
117	4/30/92	NR	10:23	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	50
119	4/30/92	NR	10:36	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	35
120	4/13/92	NR	16:48	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)	NA	NA	1
121	5/14/92	NR	16:48	29.40	5.0	0.50	6	(2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	47
121(X)	5/14/92	NR	17:01	29.35	5.0	0.50	6	(2)	(0.006)	(0.01)	(0.01)	NA	NA	57
122	5/14/92	NR	17:13	29.35	5.0	0.50	6	(2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	64
123	3/19/92	NR	11:05	29.40	5.0	0.50	1.0	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1
124	4/13/92	NR	17:01	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	2
125	4/14/92	NR	13:31	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
126	4/06/92	NR	12:24	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	18
127	4/06/92	NR	12:12	29.55	5.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	3
128	3/23/92	NR	10:07	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	2
129	4/14/92	NR	13:43	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
130	3/12/92	NR	15:52	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	1
131	3/12/92	NR	15:22	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.5
132	3/12/92	NR	15:08	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.4
133*	3/12/92	NR	14:53	29.50	5.0	0.50	1.3	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.1**
134	3/12/92	NR	14:35	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.8**
135	5/08/92	NR	12:16	29.35	2.5	0.50	6	(0.8)	(0.006)	(0.01)**	(0.01)	NA	NA	15
136	5/08/92	NR	11:28	29.35	5.0	0.50	6	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	8
137	3/12/92	NR	14:00	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.5**
138	3/12/92	NR	13:44	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.4**

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
107	3/18/92	NR	15:47	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.9	79.2	0.045
111	3/18/92	NR	16:48	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.7	19.7	79.6	0.036
113	4/30/92	NR	11:10	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.2	19.5	78.3	0.113
114	4/30/92	NR	10:56	29.40	5.0	0.50	3.8	NA	NA	(.1)	(0.01)	1.6	19.3	79.1	0.083
116	4/30/92	NR	11:44	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.6	78.7	0.034
117	4/30/92	NR	10:23	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	19.2	79.6	0.062
119	4/30/92	NR	10:36	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.1	80.0	0.047
120	4/13/92	NR	16:48	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	4.2	18.0	77.8	0.233
121	5/14/92	NR	16:48	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.8	20.4	77.8	0.088
121(X)	5/14/92	NR	17:01	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)	3.6	19.0	77.4	0.189
122	5/14/92	NR	17:13	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	2.1	19.4	78.5	0.108
123	3/19/92	NR	11:05	29.40	5.0	0.50	1.0	NA	NA	(.1)	(0.01)	3.3	17.4	79.3	0.190
124	4/13/92	NR	17:01	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	18.4	79.6	0.109
125	4/14/92	NR	13:31	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	9.7	6.5	83.7	1.492
126	4/06/92	NR	12:24	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	18.8	79.8	0.069
127	4/06/92	NR	12:12	29.55	5.0	0.50	5	NA	NA	(.1)	(0.01)	0.2	19.8	79.9	0.010
128	3/23/92	NR	10:07	29.50	5.0	0.50	30	NA	NA	13.2	(0.01)**	11.2	3.1	72.0	3.613
129	4/14/92	NR	13:43	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	20.1	78.6	0.065
130	3/12/92	NR	15:52	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.9	18.5	79.6	0.103
131	3/12/92	NR	15:22	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.8	19.4	78.8	0.093
132	3/12/92	NR	15:08	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.7	19.1	79.2	0.089
133*	3/12/92	NR	14:53	29.50	5.0	0.50	1.3	NA	NA	(.1)	(0.01)	0.2	21.2	78.6	0.009
134	3/12/92	NR	14:35	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	20.6	78.2	0.058
135	5/08/92	NR	12:16	29.35	2.5	0.50	6	NA	NA	(.1)	(0.01)**	1.1	17.8	81.1	0.062
136	5/08/92	NR	11:28	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	3.0	18.1	78.9	0.166
137	3/12/92	NR	14:00	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.7	79.9	0.075
138	3/12/92	NR	13:44	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	20.1	78.3	0.080

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
139	5/08/92	NR	11:43	29.35	5.0	0.50	6	3	NA	(2)	NA	1	0.02	(1)
140	5/08/92	NR	09:00	29.35	5.0	0.50	6	22	NA	(4)	NA	12	0.07	(2)
141	5/08/92	NR	09:23	29.35	5.0	0.50	6	71	NA	(4)	NA	15	1	(2)
142	5/08/92	NR	09:41	29.35	5.0	0.50	6	43	NA	(4)	NA	10	2	(2)
143	3/12/92	NR	13:18	29.50	5.0	0.50	30	0.2	NA	(0.7)	NA	0.6	0.008	(0.4)
143(X)	3/12/92	NR	13:31	29.50	5.0	0.50	30	0.2	NA	(0.7)	NA	0.6	0.008	(0.4)
144	3/12/92	NR	13:04	29.50	5.0	0.50	30	0.5	NA	(0.7)	NA	1	0.03	(0.4)
145	3/12/92	NR	12:22	29.50	5.0	0.50	30	1	NA	(0.7)	NA	0.8	0.2	(0.4)
146	3/12/92	NR	12:07	29.50	5.0	0.50	30	0.6	NA	(0.7)	NA	1	0.4	(0.4)
147	4/14/92	NR	09:01	29.45	5.0	0.50	5	0.2	NA	(0.2)	NA	0.08	0.007	(0.1)
148	4/14/92	NR	08:47	29.45	5.0	0.50	30	0.3	NA	(0.2)	NA	0.09	0.007	(0.1)
149	4/14/92	NR	09:15	29.45	5.0	0.50	30	0.3	NA	(0.2)	NA	0.1	0.006	(0.1)
150	3/18/92	NR	17:05	29.40	5.0	0.50	30	0.2	NA	(2)	NA	0.1	0.03	(1)
151	4/14/92	NR	09:59	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	0.003	(0.1)
152	4/14/92	NR	10:11	29.45	5.0	0.50	30	0.4	NA	(0.2)	NA	0.3	0.006	(0.1)
153	4/14/92	NR	10:54	29.45	5.0	0.50	30	21	NA	(0.2)	NA	5	0.005	(0.1)
154	4/06/92	NR	11:46	29.55	5.0	0.50	30	1	NA	(0.7)	NA	0.7	0.4	(0.4)
154(X)	4/06/92	NR	11:59	29.55	5.0	0.50	30	1	NA	(0.7)	NA	0.8	0.4	(0.4)
155	4/14/92	NR	10:22	29.45	5.0	0.50	30	0.8	NA	(0.2)	NA	0.5	0.004	(0.1)
156	4/14/92	NR	11:13	29.45	5.0	0.50	30	13	NA	(2)	NA	11	0.02	(1)
156(X)	4/14/92	NR	11:26	29.45	5.0	0.50	30	18	NA	(2)	NA	17	0.02	(1)
157	4/14/92	NR	11:38	29.45	5.0	0.50	30	16	NA	(2)	NA	42	0.1	(1)
158	4/14/92	NR	09:46	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	0.005	(0.1)
159	5/15/92	NR	11:05	29.40	4.0	0.50	6	99**	NA	(10)	NA	110	(0.005)	(5)
160	4/06/92	NR	14:22	29.55	5.0	0.50	30	0.9	NA	(0.7)	NA	0.8	0.1	(0.8)
161	5/15/92	NR	09:54	29.40	5.0	0.50	6	51**	NA	(0.7)	NA	81	0.06	(0.4)
162	5/15/92	NR	10:19	29.40	5.0	0.50	6	120**	NA	(10)	NA	300	(0.005)	(5)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
139	5/08/92	NR	11:43	29.35	5.0	0.50	6	9	NA	6	NA	(0.03)	(0.2)	(2)
140	5/08/92	NR	09:00	29.35	5.0	0.50	6	28	NA	2	NA	(0.03)	(0.4)	(4)
141	5/08/92	NR	09:23	29.35	5.0	0.50	6	37	NA	9	NA	(0.03)	(0.4)	(0.08)
142	5/08/92	NR	09:41	29.35	5.0	0.50	6	52	NA	14	NA	(0.03)	(0.4)	(4)
143	3/12/92	NR	13:18	29.50	5.0	0.50	30	2	NA	.4**	NA	(0.03)	(0.08)	(0.8)**
143(X)	3/12/92	NR	13:31	29.50	5.0	0.50	30	2	NA	.3	NA	(0.03)	(0.08)	(0.8)
144	3/12/92	NR	13:04	29.50	5.0	0.50	30	3	NA	.6**	NA	(0.03)	(0.08)	(0.8)**
145	3/12/92	NR	12:22	29.50	5.0	0.50	30	7	NA	2**	NA	(0.03)	(0.08)	(0.8)**
146	3/12/92	NR	12:07	29.50	5.0	0.50	30	4	NA	2**	NA	(0.03)	(0.08)	(0.8)**
147	4/14/92	NR	09:01	29.45	5.0	0.50	5	0.01	NA	0.01	NA	(0.03)	(0.02)	(0.2)
148	4/14/92	NR	08:47	29.45	5.0	0.50	30	0.03	NA	0.05	NA	(0.03)	(0.02)	(0.2)
149	4/14/92	NR	09:15	29.45	5.0	0.50	30	0.02	NA	0.04	NA	(0.03)	(0.02)	(0.2)
150	3/18/92	NR	17:05	29.40	5.0	0.50	30	0.2	NA	0.08	NA	(0.03)**	(0.2)**	(2)
151	4/14/92	NR	09:59	29.45	5.0	0.50	30	0.06	NA	0.01	NA	(0.03)	(0.02)	(0.2)
152	4/14/92	NR	10:11	29.45	5.0	0.50	30	0.03	NA	0.006	NA	(0.03)	(0.02)	(0.2)
153	4/14/92	NR	10:54	29.45	5.0	0.50	30	0.2	NA	0.01	NA	(0.03)	(0.02)	(0.2)
154	4/06/92	NR	11:46	29.55	5.0	0.50	30	6	NA	0.2	NA	(0.03)	(0.08)	(0.8)
154(X)	4/06/92	NR	11:59	29.55	5.0	0.50	30	7	NA	0.3	NA	(0.03)	(0.08)	(0.8)
155	4/14/92	NR	10:22	29.45	5.0	0.50	30	0.1	NA	0.01	NA	(0.03)	(0.02)	(0.2)
156	4/14/92	NR	11:13	29.45	5.0	0.50	30	0.4	NA	0.01	NA	(0.03)	(0.2)	(2)
156(X)	4/14/92	NR	11:26	29.45	5.0	0.50	30	0.6	NA	0.02	NA	(0.03)	(0.2)	(2)
157	4/14/92	NR	11:38	29.45	5.0	0.50	30	9	NA	0.2	NA	(0.03)	(0.2)	(2)
158	4/14/92	NR	09:46	29.45	5.0	0.50	30	0.1	NA	0.01	NA	(0.03)	(0.02)	(0.2)
159	5/15/92	NR	11:05	29.40	4.0	0.50	6	3	NA	0.1	NA	(0.03)	(1)	(10)
160	4/06/92	NR	14:22	29.55	5.0	0.50	30	2	NA	0.1	NA	(0.03)**	(0.08)	(0.8)
161	5/15/92	NR	09:54	29.40	5.0	0.50	6	7	NA	0.2	NA	(0.03)	(0.08)	(0.8)
162	5/15/92	NR	10:19	29.40	5.0	0.50	6	10	NA	0.6	NA	(0.03)	(1)	(10)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
139	5/08/92	NR	11:43	29.35	5.0	0.50	6	(2)	(0.006)	(0.01)**	(0.01)	NA	NA	10
140	5/08/92	NR	09:00	29.35	5.0	0.50	6	(4)	(0.006)	(0.01)	(0.01)	NA	NA	35
141	5/08/92	NR	09:23	29.35	5.0	0.50	6	(4)	(0.006)**	(0.01)	(0.01)**	NA	NA	150
142	5/08/92	NR	09:41	29.35	5.0	0.50	6	(4)	(0.006)**	(0.01)	(0.01)**	NA	NA	220
143	3/12/92	NR	13:18	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	1**
143(X)	3/12/92	NR	13:31	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1
144	3/12/92	NR	13:04	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	4**
145	3/12/92	NR	12:22	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	10**
146	3/12/92	NR	12:07	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	9**
147	4/14/92	NR	09:01	29.45	5.0	0.50	5	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	8
148	4/14/92	NR	08:47	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	9
149	4/14/92	NR	09:15	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	6
150	3/18/92	NR	17:05	29.40	5.0	0.50	30	(2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	12
151	4/14/92	NR	09:59	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.7
152	4/14/92	NR	10:11	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.8
153	4/14/92	NR	10:54	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
154	4/06/92	NR	11:46	29.55	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	1
154(X)	4/06/92	NR	11:59	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
155	4/14/92	NR	10:22	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1
156	4/14/92	NR	11:13	29.45	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	0.8
156(X)	4/14/92	NR	11:26	29.45	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	1
157	4/14/92	NR	11:38	29.45	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	1
158	4/14/92	NR	09:46	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.9
159	5/15/92	NR	11:05	29.40	4.0	0.50	6	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	4
160	4/06/92	NR	14:22	29.55	5.0	0.50	30	(0.7)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
161	5/15/92	NR	09:54	29.40	5.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	3
162	5/15/92	NR	10:19	29.40	5.0	0.50	6	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	8

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
139	5/08/92	NR	11:43	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	3.2	17.3	79.5	0.185
140	5/08/92	NR	09:00	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)	1.0	19.5	79.4	0.051
141	5/08/92	NR	09:23	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.8	18.9	79.2	0.095
142	5/08/92	NR	09:41	29.35	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.8	18.3	79.9	0.098
143	3/12/92	NR	13:18	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.8	19.2	79.0	0.094
143(X)	3/12/92	NR	13:31	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	19.7	78.6	0.086
144	3/12/92	NR	13:04	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.4	18.1	79.5	0.133
145	3/12/92	NR	12:22	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	18.9	79.9	0.063
146	3/12/92	NR	12:07	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	20.3	78.6	0.054
147	4/14/92	NR	09:01	29.45	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.1	18.9	80.0	0.058
148	4/14/92	NR	08:47	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.6	80.0	0.075
149	4/14/92	NR	09:15	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.6	80.1	0.075
150	3/18/92	NR	17:05	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.9	18.2	79.9	0.104
151	4/14/92	NR	09:59	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	18.8	79.9	0.069
152	4/14/92	NR	10:11	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.7	18.3	80.0	0.093
153	4/14/92	NR	10:54	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.8	18.0	79.2	0.156
154	4/06/92	NR	11:46	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.1	79.0	0.045
154(X)	4/06/92	NR	11:59	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.9	79.1	0.050
155	4/14/92	NR	10:22	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	20.4	79.2	0.020
156	4/14/92	NR	11:13	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1	19.4	79.6	0.052
156(X)	4/14/92	NR	11:26	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	18.6	80.3	0.059
157	4/14/92	NR	11:38	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	19.6	79.1	0.066
158	4/14/92	NR	09:46	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	19.8	78.8	0.071
159	5/15/92	NR	11:05	29.40	4.0	0.50	6	NA	NA	(.1)	(0.01)	1.4	19.9	78.7	0.070
160	4/06/92	NR	14:22	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.0	20.1	78.9	0.050
161	5/15/92	NR	09:54	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)	1.2	21.6	77.2	0.056
162	5/15/92	NR	10:19	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)	1.9	21.4	76.7	0.089

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
163	5/15/92	NR	11:21	29.40	2.5	0.50	6	24**	NA	(2)	NA	9	0.2	(1)
164	5/15/92	NR	08:51	29.40	5.0	0.50	6	13	NA	(0.7)	NA	8	0.03	(0.4)
165	5/15/92	NR	09:20	29.40	5.0	0.50	6	14	NA	(0.7)	NA	5	0.1	(0.4)
166	5/14/92	NR	16:19	29.40	3.0	0.50	6	13	NA	(2)	NA	3	0.1	(1)
167	4/06/92	NR	14:39	29.55	5.0	0.50	30	0.5	NA	(0.2)	NA	0.5	0.2	(0.1)
168	4/09/92	NR	11:40	29.50	5.0	0.50	30	0.4	NA	(0.2)	NA	0.5	0.02	(0.1)
169	4/07/92	NR	08:59	29.55	5.0	0.50	30	0.2**	NA	(0.2)	NA	1	0.005**	(0.1)
170	4/07/92	NR	08:46	29.55	5.0	0.50	30	0.2	NA	(0.2)	NA	0.8	0.004	(0.1)
171	4/07/92	NR	08:35	29.55	5.0	0.50	30	0.3	NA	(0.7)	NA	0.7	0.007	(0.4)
172	4/06/92	NR	10:37	29.55	5.0	0.50	30	6	NA	(0.7)	NA	0.2	0.4	(0.4)
173	4/06/92	NR	10:50	29.55	5.0	0.50	30	0.2	NA	(0.7)	NA	0.06	0.009	(0.4)
174	4/06/92	NR	11:24	29.55	5.0	0.50	30	39	NA	(0.2)	NA	0.08	0.06	(0.1)
175	4/06/92	NR	10:07	29.55	5.0	0.50	30	5	NA	(0.2)	NA	0.1	0.2	(0.1)
176	4/06/92	NR	14:08	29.55	5.0	0.50	30	4	NA	(0.7)	NA	0.3	0.4	(0.8)
177*	4/06/92	NR	10:23	29.55	5.0	0.50	2.5	0.09	NA	(0.7)	NA	0.04	0.01	(0.4)
178	4/06/92	NR	09:30	29.55	5.0	0.50	30	0.4	NA	(0.2)	NA	0.2	0.08	(0.1)
179	3/12/92	NR	16:05	29.50	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	0.03	(0.1)
180	3/12/92	NR	16:19	29.50	5.0	0.50	30	0.4	NA	(0.2)	NA	0.2	0.09	(0.1)
181	3/12/92	NR	16:34	29.50	5.0	0.50	1.8	0.3	NA	(0.2)	NA	0.08	0.04	(0.1)
182	4/01/92	NR	12:31	29.35	5.0	0.50	30	2	NA	(0.2)	NA	0.3	0.4	(0.1)
183	4/01/92	NR	11:46	29.35	5.0	0.50	5	1	NA	(0.2)	NA	0.2	0.2	(0.1)
183(X)	4/01/92	NR	11:59	29.35	5.0	0.50	5	1	NA	(0.2)	NA	0.2	0.2	(0.1)
184	4/01/92	NR	12:16	29.35	5.0	0.50	30	0.3	NA	(0.2)	NA	0.2	0.03	(0.1)
185	4/06/92	NR	09:03	29.55	5.0	0.50	30	0.9	NA	(0.7)	NA	1	0.2	(0.4)
186	4/06/92	NR	09:16	29.55	5.0	0.50	30	0.5	NA	(0.7)	NA	0.7	0.09	(0.4)
187	4/01/92	NR	08:49	29.35	5.0	0.50	30	0.6	NA	(0.2)	NA	0.07	0.03	(0.1)
188	4/01/92	NR	09:01	29.35	5.0	0.50	30	0.1	NA	(0.2)	NA	0.2	0.0005	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
163	5/15/92	NR	11:21	29.40	2.5	0.50	6	10	NA	0.3	NA	(0.03)	(0.2)	(2)
164	5/15/92	NR	08:51	29.40	5.0	0.50	6	2	NA	0.05	NA	(0.03)	(0.08)	(0.8)
165	5/15/92	NR	09:20	29.40	5.0	0.50	6	8	NA	0.2	NA	(0.03)	(0.08)	(0.8)
166	5/14/92	NR	16:19	29.40	3.0	0.50	6	3	NA	0.1	NA	(0.03)	(0.2)	(2)
167	4/06/92	NR	14:39	29.55	5.0	0.50	30	2	NA	0.5	NA	(0.03)**	(0.02)	(0.2)
168	4/09/92	NR	11:40	29.50	5.0	0.50	30	0.5	NA	0.1	NA	(0.03)	(0.02)	(0.2)
169	4/07/92	NR	08:59	29.55	5.0	0.50	30	0.6	NA	0.03**	NA	(0.03)	(0.02)	(0.2)
170	4/07/92	NR	08:46	29.55	5.0	0.50	30	0.3	NA	0.02	NA	(0.03)	(0.02)	(0.2)
171	4/07/92	NR	08:35	29.55	5.0	0.50	30	0.5	NA	0.04	NA	(0.03)	(0.08)	(0.8)
172	4/06/92	NR	10:37	29.55	5.0	0.50	30	2	NA	0.1	NA	(0.03)	(0.08)	(0.8)
173	4/06/92	NR	10:50	29.55	5.0	0.50	30	0.02	NA	0.007	NA	(0.03)	(0.08)	(0.8)
174	4/06/92	NR	11:24	29.55	5.0	0.50	30	0.2	NA	0.02	NA	(0.03)	(0.02)	(0.2)
175	4/06/92	NR	10:07	29.55	5.0	0.50	30	1	NA	0.06	NA	(0.03)	(0.02)	(0.2)
176	4/06/92	NR	14:08	29.55	5.0	0.50	30	4	NA	0.2	NA	(0.03)	(0.08)	(0.8)
177*	4/06/92	NR	10:23	29.55	5.0	0.50	2.5	0.05	NA	0.01	NA	(0.03)	(0.08)	(0.8)
178	4/06/92	NR	09:30	29.55	5.0	0.50	30	0.6	NA	0.04	NA	(0.03)	(0.02)	(0.2)
179	3/12/92	NR	16:05	29.50	5.0	0.50	30	0.06	NA	.04	NA	(0.03)	(0.02)	(0.2)**
180	3/12/92	NR	16:19	29.50	5.0	0.50	30	0.4	NA	.3**	NA	(0.03)	(0.02)**	(0.2)
181	3/12/92	NR	16:34	29.50	5.0	0.50	1.8	0.07	NA	.02**	NA	(0.03)	(0.02)**	(0.2)
182	4/01/92	NR	12:31	29.35	5.0	0.50	30	1	NA	0.2	NA	(0.03)	(0.02)	(0.2)
183	4/01/92	NR	11:46	29.35	5.0	0.50	5	0.7	NA	0.1	NA	(0.03)	(0.02)**	(0.2)
183(X)	4/01/92	NR	11:59	29.35	5.0	0.50	5	0.9	NA	0.2	NA	(0.03)	(0.02)	(0.2)
184	4/01/92	NR	12:16	29.35	5.0	0.50	30	0.06	NA	0.06	NA	(0.03)	(0.02)	(0.2)
185	4/06/92	NR	09:03	29.55	5.0	0.50	30	5	NA	0.2	NA	(0.03)	(0.08)	(0.8)
186	4/06/92	NR	09:16	29.55	5.0	0.50	30	0.4	NA	0.09	NA	(0.03)	(0.08)	(0.8)
187	4/01/92	NR	08:49	29.35	5.0	0.50	30	0.2	NA	0.1	NA	(0.03)	(0.02)	(0.2)
188	4/01/92	NR	09:01	29.35	5.0	0.50	30	0.05	NA	0.3	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
163	5/15/92	NR	11:21	29.40	2.5	0.50	6	(2)	(0.006)	(0.01)	(0.01)**	NA	NA	8
164	5/15/92	NR	08:51	29.40	5.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	5
165	5/15/92	NR	09:20	29.40	5.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6
166	5/14/92	NR	16:19	29.40	3.0	0.50	6	(2)	(0.006)**	(0.01)	(0.01)**	NA	NA	3
167	4/06/92	NR	14:39	29.55	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.8
168	4/09/92	NR	11:40	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.2
169	4/07/92	NR	08:59	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.3**
170	4/07/92	NR	08:46	29.55	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
171	4/07/92	NR	08:35	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1
172	4/06/92	NR	10:37	29.55	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	2
173	4/06/92	NR	10:50	29.55	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.1
174	4/06/92	NR	11:24	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.4
175	4/06/92	NR	10:07	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	1
176	4/06/92	NR	14:08	29.55	5.0	0.50	30	(0.7)	(0.006)	(0.01)	(0.01)	NA	NA	2
177*	4/06/92	NR	10:23	29.55	5.0	0.50	2.5	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.1
178	4/06/92	NR	09:30	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.8
179	3/12/92	NR	16:05	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
180	3/12/92	NR	16:19	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
181	3/12/92	NR	16:34	29.50	5.0	0.50	1.8	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
182	4/01/92	NR	12:31	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	2
183	4/01/92	NR	11:46	29.35	5.0	0.50	5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1
183(X)	4/01/92	NR	11:59	29.35	5.0	0.50	5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1
184	4/01/92	NR	12:16	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
185	4/06/92	NR	09:03	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
186	4/06/92	NR	09:16	29.55	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.8
187	4/01/92	NR	08:49	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.6
188	4/01/92	NR	09:01	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
163	5/15/92	NR	11:21	29.40	2.5	0.50	6	NA	NA	(.1)	(0.01)	1.4	21.1	77.5	0.066
164	5/15/92	NR	08:51	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)	0.8	21.8	77.5	0.037
165	5/15/92	NR	09:20	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)	1.7	19.8	78.5	0.086
166	5/14/92	NR	16:19	29.40	3.0	0.50	6	NA	NA	(.1)	(0.01)**	0.6	21.5	78.0	0.028
167	4/06/92	NR	14:39	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.3	19.1	79.6	0.068
168	4/09/92	NR	11:40	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	18.4	79.6	0.109
169	4/07/92	NR	08:59	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.2	79.1	0.035
170	4/07/92	NR	08:46	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.6	78.9	0.024
171	4/07/92	NR	08:35	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.4	78.9	0.034
172	4/06/92	NR	10:37	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	19.5	79.1	0.072
173	4/06/92	NR	10:50	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	20.8	78.9	0.019
174	4/06/92	NR	11:24	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.0	78.9	0.045
175	4/06/92	NR	10:07	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.7	79.7	0.030
176	4/06/92	NR	14:08	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	20	79.0	0.050
177*	4/06/92	NR	10:23	29.55	5.0	0.50	2.5	NA	NA	(.1)	(0.01)	0.2	20.9	79.0	0.010
178	4/06/92	NR	09:30	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.8	18.6	78.6	0.151
179	3/12/92	NR	16:05	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.8	20.5	78.7	0.039
180	3/12/92	NR	16:19	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	19.2	79.2	0.083
181	3/12/92	NR	16:34	29.50	5.0	0.50	1.8	NA	NA	(.1)	(0.01)	0.7	20.2	79.1	0.035
182	4/01/92	NR	12:31	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	18.1	80.9	0.061
183	4/01/92	NR	11:46	29.35	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.1	18.5	80.4	0.059
183(X)	4/01/92	NR	11:59	29.35	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.1	19.1	79.9	0.058
184	4/01/92	NR	12:16	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20	79.2	0.040
185	4/06/92	NR	09:03	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.9	16.7	80.4	0.174
186	4/06/92	NR	09:16	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	3.8	15.8	80.4	0.241
187	4/01/92	NR	08:49	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	19.6	79.0	0.071
188	4/01/92	NR	09:01	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	17.7	81.8	0.023

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
189	4/01/92	NR	09:14	29.35	5.0	0.50	30	2	NA	(0.2)	NA	0.4	0.03	(0.1)
190	4/01/92	NR	10:03	29.35	5.0	0.50	30	1	NA	(0.7)	NA	0.5	0.09	(0.4)
191	4/09/92	NR	09:42	29.50	5.0	0.50	30	0.02	NA	(0.2)	NA	0.03	0.0008	(0.1)
192	4/09/92	NR	11:08	29.50	5.0	0.50	30	0.9	NA	(0.2)	NA	0.4	0.02	(0.1)
193	4/09/92	NR	11:23	29.50	5.0	0.50	30	1	NA	(0.2)	NA	0.2	0.004	(0.1)
194	4/09/92	NR	09:26	29.50	5.0	0.50	30	0.06	NA	(0.2)	NA	0.07	0.003	(0.1)
195	4/09/92	NR	10:01	29.50	5.0	0.50	30	0.04	NA	(0.2)	NA	0.04	0.002	(0.1)
196	4/09/92	NR	10:49	29.50	5.0	0.50	30	0.2	NA	(0.2)	NA	0.05	0.001	(0.1)
197	4/01/92	NR	10:21	29.35	5.0	0.50	30	0.7	NA	(0.2)	NA	0.09	0.09	(0.1)
198	4/01/92	NR	11:24	29.35	5.0	0.50	30	0.4	NA	(0.2)	NA	0.2	0.04	(0.1)
199	4/01/92	NR	10:46	29.35	5.0	0.50	30	0.1	NA	(0.2)	NA	0.03	0.004	(0.1)
200	4/01/92	NR	10:33	29.35	5.0	0.50	30	0.2	NA	(0.2)	NA	0.05	0.01	(0.1)
201	4/08/92	NR	14:07	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.3	0.06	(0.1)
202	4/08/92	NR	14:25	29.45	5.0	0.50	30	0.3	NA	(0.2)	NA	0.2	0.06	(0.1)
203	4/09/92	NR	09:10	29.50	5.0	0.50	30	0.01	NA	(0.2)	NA	0.02	0.002	(0.1)
204	4/06/92	NR	15:51	29.55	5.0	0.50	30	0.09	NA	(0.7)	NA	0.1	0.002	(0.4)
204(X)	4/06/92	NR	16:04	29.55	5.0	0.50	30	0.1	NA	(0.7)	NA	0.2	0.003	(0.4)
205	4/06/92	NR	15:36	29.55	5.0	0.50	30	0.4	NA	(0.2)	NA	1	0.02	(0.1)
206*	4/06/92	NR	15:24	29.55	5.0	0.50	30	0.6	NA	(0.2)	NA	0.08	0.002	(0.1)
207	4/06/92	NR	15:12	29.55	5.0	0.50	30	0.5	NA	(0.2)	NA	0.07	0.003	(0.1)
208	5/14/92	NR	18:10	29.35	5.0	0.50	30	0.2	NA	(0.2)	NA	0.05	0.001	(0.1)
209	5/14/92	NR	17:54	29.35	5.0	0.50	30	0.3	NA	(0.7)	NA	0.08	0.002	(0.4)
210	4/07/92	NR	09:18	29.55	5.0	0.50	30	0.04**	NA	(0.2)	NA	0.07	0.002**	(0.1)
211	4/08/92	NR	10:33	29.50	3.0	0.50	30	0.01	NA	(0.2)	NA	0.04	0.001	(0.1)
212	4/07/92	NR	10:10	29.55	5.0	0.50	30	0.02**	NA	(0.2)	NA	0.04	0.0009**	(0.1)
213	4/07/92	NR	10:48	29.55	5.0	0.50	30	0.1**	NA	(0.2)	NA	0.1	0.006	(0.1)
214	4/07/92	NR	10:21	29.55	5.0	0.50	30	0.07**	NA	(0.2)	NA	0.1	0.004**	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
189	4/01/92	NR	09:14	29.35	5.0	0.50	30	8	NA	0.8	NA	(0.03)	(0.02)	(0.2)
190	4/01/92	NR	10:03	29.35	5.0	0.50	30	2	NA	0.5	NA	(0.03)	(0.08)	(0.8)
191	4/09/92	NR	09:42	29.50	5.0	0.50	30	(0.001)	NA	0.008	NA	(0.03)	(0.02)	(0.2)
192	4/09/92	NR	11:08	29.50	5.0	0.50	30	3	NA	0.6	NA	(0.03)	(0.02)	(0.2)
193	4/09/92	NR	11:23	29.50	5.0	0.50	30	0.2	NA	0.2	NA	(0.03)	(0.02)	(0.2)
194	4/09/92	NR	09:26	29.50	5.0	0.50	30	(0.001)	NA	0.03	NA	(0.03)	(0.02)	(0.2)
195	4/09/92	NR	10:01	29.50	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
196	4/09/92	NR	10:49	29.50	5.0	0.50	30	0.008	NA	0.03	NA	(0.03)	(0.02)	(0.2)
197	4/01/92	NR	10:21	29.35	5.0	0.50	30	0.04	NA	0.05	NA	(0.03)	(0.02)	(0.2)
198	4/01/92	NR	11:24	29.35	5.0	0.50	30	0.02	NA	0.03	NA	(0.03)	(0.02)**	(0.2)
199	4/01/92	NR	10:46	29.35	5.0	0.50	30	0.02	NA	0.008	NA	(0.03)	(0.02)**	(0.2)
200	4/01/92	NR	10:33	29.35	5.0	0.50	30	0.03	NA	0.02	NA	(0.03)	(0.02)**	(0.2)
201	4/08/92	NR	14:07	29.45	5.0	0.50	30	0.9	NA	0.09	NA	(0.03)**	(0.02)	(0.2)
202	4/08/92	NR	14:25	29.45	5.0	0.50	30	0.8	NA	0.09	NA	(0.03)**	(0.02)	(0.2)
203	4/09/92	NR	09:10	29.50	5.0	0.50	30	0.04	NA	0.01	NA	(0.03)	(0.02)	(0.2)
204	4/06/92	NR	15:51	29.55	5.0	0.50	30	0.2	NA	0.009	NA	(0.03)**	(0.08)	(0.8)
204(X)	4/06/92	NR	16:04	29.55	5.0	0.50	30	0.03	NA	0.01	NA	(0.03)	(0.08)	(0.8)
205	4/06/92	NR	15:36	29.55	5.0	0.50	30	2	NA	0.1	NA	(0.03)**	(0.02)	(0.2)
206*	4/06/92	NR	15:24	29.55	5.0	0.50	30	0.3	NA	0.04	NA	(0.03)**	(0.02)	(0.2)
207	4/06/92	NR	15:12	29.55	5.0	0.50	30	0.3	NA	0.2	NA	(0.03)**	(0.02)	(0.2)
208	5/14/92	NR	18:10	29.35	5.0	0.50	30	0.1	NA	0.05**	NA	(0.03)	(0.02)	(0.2)
209	5/14/92	NR	17:54	29.35	5.0	0.50	30	0.1	NA	0.1**	NA	(0.03)	(0.08)	(0.8)
210	4/07/92	NR	09:18	29.55	5.0	0.50	30	0.08	NA	0.02**	NA	(0.03)	(0.02)	(0.2)
211	4/08/92	NR	10:33	29.50	3.0	0.50	30	0.02	NA	0.01	NA	(0.03)	(0.02)	(0.2)
212	4/07/92	NR	10:10	29.55	5.0	0.50	30	0.05	NA	0.01**	NA	(0.03)	(0.02)	(0.2)
213	4/07/92	NR	10:48	29.55	5.0	0.50	30	0.4	NA	0.1	NA	(0.03)**	(0.02)**	(0.2)
214	4/07/92	NR	10:21	29.55	5.0	0.50	30	0.4	NA	0.1**	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
189	4/01/92	NR	09:14	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	5
190	4/01/92	NR	10:03	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	9
191	4/09/92	NR	09:42	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.02
192	4/09/92	NR	11:08	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	2
193	4/09/92	NR	11:23	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	2
194	4/09/92	NR	09:26	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.09
195	4/09/92	NR	10:01	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.05
196	4/09/92	NR	10:49	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.7
197	4/01/92	NR	10:21	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	5
198	4/01/92	NR	11:24	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.6
199	4/01/92	NR	10:46	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
200	4/01/92	NR	10:33	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1
201	4/08/92	NR	14:07	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.4
202	4/08/92	NR	14:25	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.4
203	4/09/92	NR	09:10	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
204	4/06/92	NR	15:51	29.55	5.0	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	0.1
204(X)	4/06/92	NR	16:04	29.55	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
205	4/06/92	NR	15:36	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)	NA	NA	0.6
206*	4/06/92	NR	15:24	29.55	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
207	4/06/92	NR	15:12	29.55	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
208	5/14/92	NR	18:10	29.35	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.02
209	5/14/92	NR	17:54	29.35	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.06
210	4/07/92	NR	09:18	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.05**
211	4/08/92	NR	10:33	29.50	3.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
212	4/07/92	NR	10:10	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.02**
213	4/07/92	NR	10:48	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.06**
214	4/07/92	NR	10:21	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.06**

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
189	4/01/92	NR	09:14	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.8	16	81.2	0.175
190	4/01/92	NR	10:03	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.3	79.8	0.047
191	4/09/92	NR	09:42	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	20.8	78.9	0.019
192	4/09/92	NR	11:08	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.6	17.7	79.6	0.147
193	4/09/92	NR	11:23	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.4	16.6	80.9	0.145
194	4/09/92	NR	09:26	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.1	19.2	78.7	0.109
195	4/09/92	NR	10:01	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.8	19.6	78.6	0.092
196	4/09/92	NR	10:49	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.4	17	80.6	0.141
197	4/01/92	NR	10:21	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20	79.1	0.045
198	4/01/92	NR	11:24	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.2	18.4	79.4	0.120
199	4/01/92	NR	10:46	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	19.9	79.4	0.035
200	4/01/92	NR	10:33	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.2	18.2	79.6	0.121
201	4/08/92	NR	14:07	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.9	19.7	78.4	0.096
202	4/08/92	NR	14:25	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	18.9	79.4	0.090
203	4/09/92	NR	09:10	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.2	78.2	0.028
204	4/06/92	NR	15:51	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.3	79.0	0.034
204(X)	4/06/92	NR	16:04	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	19.2	80.0	0.042
205	4/06/92	NR	15:36	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	19	79.5	0.074
206*	4/06/92	NR	15:24	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.1	20.6	79.3	0.005
207	4/06/92	NR	15:12	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	21	78.7	0.014
208	5/14/92	NR	18:10	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	(0.1)	23.4	76.6	
209	5/14/92	NR	17:54	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	21.2	78.5	0.014
210	4/07/92	NR	09:18	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	19.7	79.3	0.056
211	4/08/92	NR	10:33	29.50	3.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	19.6	79.6	0.041
212	4/07/92	NR	10:10	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.7	78.7	0.029
213	4/07/92	NR	10:48	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.1	19.7	79.2	0.056
214	4/07/92	NR	10:21	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	19.9	78.6	0.075

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
215	5/14/92	NR	08:59	29.40	5.0	0.50	6	0.6	NA	(0.7)	NA	0.06	(0.0004)	(0.4)
216	4/09/92	NR	15:49	29.45	3.0	0.50	30	0.05	NA	3	NA	0.1	0.003	(0.1)
217	4/09/92	NR	13:23	29.50	5.0	0.50	30	0.01	NA	(0.2)	NA	0.04	0.0009	(0.1)
218	4/09/92	NR	13:40	29.45	5.0	0.50	30	0.01	NA	(0.2)	NA	0.05	0.0005	(0.1)
218(X)	4/09/92	NR	13:53	29.45	5.0	0.50	30	0.01	NA	(0.2)	NA	0.05	(0.0002)	(0.1)
219	4/07/92	NR	11:00	29.55	5.0	0.50	30	0.2**	NA	(0.2)	NA	0.2	0.002	(0.1)
220	4/09/92	NR	14:10	29.45	5.0	0.50	5	1	NA	(0.2)	NA	0.1	0.0008	(0.1)
221	4/09/92	NR	14:23	29.45	5.0	0.50	30	1	NA	(0.2)	NA	0.2	0.0008	(0.1)
222	4/09/92	NR	14:59	29.45	2.5	0.50	15	0.2	NA	(0.2)	NA	0.04	0.006	(0.1)
223	4/09/92	NR	15:11	29.45	5.0	0.50	30	0.1	NA	(0.2)	NA	0.4	0.002	(0.1)
224*	4/09/92	NR	15:28	29.45	5.0	0.50	0.7	0.08	NA	6	NA	0.2	0.001	(0.1)
225	4/09/92	NR	16:29	29.45	5.0	0.50	30	0.06	NA	(0.2)	NA	0.1	0.0006	(0.1)
226	4/09/92	NR	16:49	29.45	5.0	0.50	30	0.06	NA	(0.7)	NA	0.3	(0.00004)	(0.4)
227	4/09/92	NR	17:04	29.45	5.0	0.50	30	0.08	NA	(0.2)	NA	0.2	0.001	(0.1)
229	5/07/92	NR	12:19	29.50	5.0	0.50	6	0.4	NA	(0.7)	NA	0.06	0.02	(0.4)
230	5/07/92	NR	12:04	29.50	5.0	0.50	5	0.6	NA	(0.7)	NA	0.08	0.04	(0.4)
231	5/07/92	NR	12:38	29.50	5.0	0.50	6	0.7	NA	(0.7)	NA	0.09	0.02	(0.4)
232	4/13/92	NR	14:48	29.40	5.0	0.50	7.5	0.1	NA	(0.2)	NA	0.04	0.006	(0.1)**
233	4/13/92	NR	14:10	29.40	5.0	0.50	30	0.09	NA	(0.2)	NA	0.1	0.003	(0.1)**
234	4/13/92	NR	15:02	29.40	5.0	0.50	10	0.04	NA	(0.2)	NA	0.2	0.008	(0.1)**
235	4/13/92	NR	11:53	29.45	5.0	0.50	30	0.03	NA	(0.2)	NA	0.02	0.003	(0.1)
236	4/13/92	NR	11:40	29.45	5.0	0.50	30	2	NA	(0.2)	NA	0.1	0.5	(0.1)
237	4/13/92	NR	11:15	29.45	5.0	0.50	30	0.04	NA	(0.2)	NA	0.02	0.003	(0.1)
237(X)	4/13/92	NR	11:28	29.45	5.0	0.50	30	0.04	NA	(0.2)	NA	0.02	0.004	(0.1)
238	4/13/92	NR	11:02	29.45	5.0	0.50	30	0.03	NA	(0.2)	NA	0.02	0.002	(0.1)
239	4/13/92	NR	10:28	29.45	5.0	0.50	30	0.03	NA	(0.2)	NA	0.03	0.002	(0.1)
240	4/13/92	NR	10:14	29.45	5.0	0.50	30	0.03	NA	(0.2)	NA	0.03	0.005	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
215	5/14/92	NR	08:59	29.40	5.0	0.50	6	0.1	NA	0.09	NA	(0.03)	(0.08)	(0.8)
216	4/09/92	NR	15:49	29.45	3.0	0.50	30	0.2	NA	0.06	NA	(0.03)	(0.02)	(0.2)
217	4/09/92	NR	13:23	29.50	5.0	0.50	30	0.005	NA	0.007	NA	(0.03)	(0.02)	(0.2)
218	4/09/92	NR	13:40	29.45	5.0	0.50	30	0.04	NA	0.05	NA	(0.03)	(0.02)	(0.2)
218(X)	4/09/92	NR	13:53	29.45	5.0	0.50	30	0.05	NA	0.09	NA	(0.03)	(0.02)	(0.2)
219	4/07/92	NR	11:00	29.55	5.0	0.50	30	0.1	NA	0.2	NA	(0.03)**	(0.02)**	(0.2)
220	4/09/92	NR	14:10	29.45	5.0	0.50	5	0.01	NA	0.1	NA	(0.03)	(0.02)	(0.2)
221	4/09/92	NR	14:23	29.45	5.0	0.50	30	0.01	NA	0.3	NA	(0.03)	(0.02)	(0.2)
222	4/09/92	NR	14:59	29.45	2.5	0.50	15	0.08	NA	0.05	NA	(0.03)	(0.02)	(0.2)
223	4/09/92	NR	15:11	29.45	5.0	0.50	30	0.4	NA	0.8	NA	(0.03)	(0.02)	(0.2)
224*	4/09/92	NR	15:28	29.45	5.0	0.50	0.7	0.1	NA	0.3	NA	(0.03)	(0.02)	(0.2)
225	4/09/92	NR	16:29	29.45	5.0	0.50	30	4	NA	0.6	NA	(0.03)	(0.02)	(0.2)
226	4/09/92	NR	16:49	29.45	5.0	0.50	30	0.9	NA	0.2	NA	(0.03)	(0.08)	(0.8)
227	4/09/92	NR	17:04	29.45	5.0	0.50	30	3	NA	0,7	NA	(0.03)	(0.02)	(0.2)
229	5/07/92	NR	12:19	29.50	5.0	0.50	6	19	NA	0.3	NA	(0.03)**	(0.08)	(0.8)
230	5/07/92	NR	12:04	29.50	5.0	0.50	5	27	NA	0.5	NA	(0.03)**	(0.08)	(0.8)
231	5/07/92	NR	12:38	29.50	5.0	0.50	6	36	NA	0.3	NA	(0.03)**	(0.08)	(0.8)
232	4/13/92	NR	14:48	29.40	5.0	0.50	7.5	1	NA	0.03	NA	(0.03)	(0.02)	(0.2)
233	4/13/92	NR	14:10	29.40	5.0	0.50	30	0.7	NA	0.04	NA	(0.03)	(0.02)	(0.2)
234	4/13/92	NR	15:02	29.40	5.0	0.50	10	0.02	NA	0.008	NA	(0.03)	(0.02)	(0.2)
235	4/13/92	NR	11:53	29.45	5.0	0.50	30	(0.001)	NA	0.008	NA	(0.03)	(0.02)	(0.2)
236	4/13/92	NR	11:40	29.45	5.0	0.50	30	0.6	NA	0.2	NA	(0.03)	(0.02)	(0.2)
237	4/13/92	NR	11:15	29.45	5.0	0.50	30	(0.001)	NA	0.004	NA	(0.03)	(0.02)	(0.2)
237(X)	4/13/92	NR	11:28	29.45	5.0	0.50	30	0.003	NA	0.01	NA	(0.03)	(0.02)	(0.2)
238	4/13/92	NR	11:02	29.45	5.0	0.50	30	(0.001)	NA	0.004	NA	(0.03)	(0.02)	(0.2)
239	4/13/92	NR	10:28	29.45	5.0	0.50	30	(0.001)	NA	0.009	NA	(0.03)	(0.02)	(0.2)
240	4/13/92	NR	10:14	29.45	5.0	0.50	30	(0.001)	NA	0.009	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above ehclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
215	5/14/92	NR	08:59	29.40	5.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
216	4/09/92	NR	15:49	29.45	3.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.02
217	4/09/92	NR	13:23	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.09
218	4/09/92	NR	13:40	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
218(X)	4/09/92	NR	13:53	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
219	4/07/92	NR	11:00	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.02**
220	4/09/92	NR	14:10	29.45	5.0	0.50	5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
221	4/09/92	NR	14:23	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
222	4/09/92	NR	14:59	29.45	2.5	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
223	4/09/92	NR	15:11	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.06
224*	4/09/92	NR	15:28	29.45	5.0	0.50	0.7	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.03
225	4/09/92	NR	16:29	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.6
226	4/09/92	NR	16:49	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
227	4/09/92	NR	17:04	29.45	5.0	0.50	30	(0.2)	(0.006)*	(0.01)**	(0.01)**	NA	NA	0.5
229	5/07/92	NR	12:19	29.50	5.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
230	5/07/92	NR	12:04	29.50	5.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
231	5/07/92	NR	12:38	29.50	5.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.7
232	4/13/92	NR	14:48	29.40	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.3
233	4/13/92	NR	14:10	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.8
234	4/13/92	NR	15:02	29.40	5.0	0.50	10	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.2
235	4/13/92	NR	11:53	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.05
236	4/13/92	NR	11:40	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	16
237	4/13/92	NR	11:15	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.1
237(X)	4/13/92	NR	11:28	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
238	4/13/92	NR	11:02	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
239	4/13/92	NR	10:28	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.07
240	4/13/92	NR	10:14	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.08

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
215	5/14/92	NR	08:59	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)	0.3	21.9	77.7	0.014
216	4/09/92	NR	15:49	29.45	3.0	0.50	30	NA	NA	(.01)	(0.01)**	0.6	19.9	79.5	0.030
217	4/09/92	NR	13:23	29.50	5.0	0.50	30	NA	NA	(.01)	(0.01)	0.5	21.1	78.3	0.024
218	4/09/92	NR	13:40	29.45	5.0	0.50	30	NA	NA	(.01)	(0.01)	0.7	20.5	78.7	0.034
218(X)	4/09/92	NR	13:53	29.45	5.0	0.50	30	NA	NA	(.01)	(0.01)	0.7	20.7	78.6	0.034
219	4/07/92	NR	11:00	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.8	20.3	78.9	0.039
220	4/09/92	NR	14:10	29.45	5.0	0.50	5	NA	NA	(.01)	(0.01)	0.3	20.4	79.3	0.015
221	4/09/92	NR	14:23	29.45	5.0	0.50	30	NA	NA	(.01)	(0.01)	1.5	18.3	80.2	0.082
222	4/09/92	NR	14:59	29.45	2.5	0.50	15	NA	NA	(.01)	(0.01)	0.4	21.2	78.4	0.019
223	4/09/92	NR	15:11	29.45	5.0	0.50	30	NA	NA	(.01)	(0.01)	1.2	19.9	78.9	0.060
224*	4/09/92	NR	15:28	29.45	5.0	0.50	0.7	NA	NA	(.01)	(0.01)**	0.2	20.5	79.2	0.010
225	4/09/92	NR	16:29	29.45	5.0	0.50	30	NA	NA	(.01)	(0.01)**	1.6	18.4	80	0.087
226	4/09/92	NR	16:49	29.45	5.0	0.50	30	NA	NA	0	(0.01)**	0.6	20.4	79	0.029
227	4/09/92	NR	17:04	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.5	18.8	79.7	0.080
229	5/07/92	NR	12:19	29.50	5.0	0.50	6	NA	NA	(.1)	(0.01)	0.9	20.5	78.6	0.044
230	5/07/92	NR	12:04	29.50	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.4	19.9	78.7	0.070
231	5/07/92	NR	12:38	29.50	5.0	0.50	6	NA	NA	(.1)	(0.01)	0.7	19.2	80.2	0.036
232	4/13/92	NR	14:48	29.40	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	0.8	17.8	81.4	0.045
233	4/13/92	NR	14:10	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	17.4	81.8	0.040
234	4/13/92	NR	15:02	29.40	5.0	0.50	10	NA	NA	(.1)	(0.01)	0.7	20.3	79.0	0.034
235	4/13/92	NR	11:53	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	19.7	79.2	0.056
236	4/13/92	NR	11:40	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	19.6	79.6	0.041
237	4/13/92	NR	11:15	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.9	79.4	0.030
237(X)	4/13/92	NR	11:28	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	19.7	79.6	0.036
238	4/13/92	NR	11:02	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	19.2	79.2	0.083
239	4/13/92	NR	10:28	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	20.2	78.5	0.069
240	4/13/92	NR	10:14	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.6	79.0	0.015

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
241	4/13/92	NR	10:02	29.45	5.0	0.50	30	0.08	NA	(0.2)	NA	0.03	0.01	(0.1)
242	4/13/92	NR	09:48	29.45	5.0	0.50	30	0.1	NA	(0.2)	NA	0.03	0.01	(0.1)
243	4/13/92	NR	09:12	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.02	0.009	(0.1)
244	4/13/92	NR	08:59	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.08	0.03	(0.1)
245	4/13/92	NR	08:48	29.45	5.0	0.50	30	0.06	NA	(0.2)	NA	0.04	0.007	(0.1)
246	4/13/92	NR	08:35	29.45	5.0	0.50	30	0.1	NA	(0.2)	NA	0.04	0.02	(0.1)
247	4/30/92	NR	16:50	29.35	4.0	0.50	30	0.2	NA	(0.7)	NA	8	0.002	(0.4)
248	5/15/92	NR	13:38	29.35	3.0	0.50	6	3	NA	(0.7)	NA	0.5	0.06	(0.4)
249	5/06/92	NR	10:37	29.35	5.0	0.50	30	3	NA	(0.2)	NA	0.06	0.003	(0.1)
250	5/06/92	NR	09:35	29.35	5.0	0.50	30	0.05	NA	(0.2)	NA	0.02	0.0005	(0.1)
251	5/06/92	NR	10:21	29.35	5.0	0.50	30	0.1	NA	(0.2)	NA	0.05	0.002	(0.1)
252	4/13/92	NR	13:58	29.40	5.0	0.50	30	1	NA	(0.7)	NA	0.07	0.4	(0.4)**
253	4/13/92	NR	13:45	29.45	4.5	0.50	30	1	NA	(0.7)	NA	0.09	0.7	(0.4)**
254	4/13/92	NR	13:27	29.45	5.0	0.50	30	2	NA	(0.2)	NA	0.1	0.4	(0.1)**
255	4/14/92	NR	15:35	29.45	4.5	0.50	30	0.05	NA	(0.2)	NA	0.04	0.002	(0.1)
256	4/14/92	NR	15:51	29.45	5.0	0.50	30	0.09	NA	(0.2)	NA	0.04	0.0006	(0.1)**
257	4/14/92	NR	16:03	29.40	5.0	0.50	5	0.2	NA	(0.2)	NA	0.03	0.0005	(0.1)**
258	4/16/92	NR	15:28	29.40	5.0	0.50	30	0.05	NA	(0.2)	NA	0.03	0.0004	(0.1)
259	3/12/92	NR	10:50	29.50	5.0	0.50	30	0.007	NA	(0.2)	NA	0.03	0.0006	(0.1)
260	4/16/92	NR	11:22	29.45	5.0	0.50	30	0.02	NA	(0.2)	NA	0.2	0.001	(0.1)
260(X)	4/16/92	NR	11:34	29.45	5.0	0.50	30	0.03	NA	(0.2)	NA	0.4	0.001	(0.1)
261*	4/16/92	NR	10:07	29.45	2.5	0.50	30	0.02	NA	(0.2)	NA	0.02	0.0005	(0.1)
262	4/16/92	NR	14:42	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.03	0.0005	(0.1)
263	4/16/92	NR	11:06	29.45	5.0	0.50	30	0.02	NA	(0.2)	NA	0.02	0.0006	(0.1)
264*	4/16/92	NR	10:22	29.45	2.5	0.50	1	0.01	NA	(0.2)	NA	0.03	0.001	(0.1)
265*	4/16/92	NR	10:35	29.45	5.0	0.50	30	0.02	NA	(0.2)	NA	0.03	0.001	(0.1)
266	4/16/92	NR	14:54	29.40	5.0	0.50	30	0.04	NA	(0.2)	NA	0.1	0.001	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
241	4/13/92	NR	10:02	29.45	5.0	0.50	30	0.008	NA	0.01	NA	(0.03)	(0.02)	(0.2)
242	4/13/92	NR	09:48	29.45	5.0	0.50	30	0.007	NA	0.01	NA	(0.03)	(0.02)	(0.2)
243	4/13/92	NR	09:12	29.45	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
244	4/13/92	NR	08:59	29.45	5.0	0.50	30	(0.001)	NA	0.3	NA	(0.03)	(0.02)	(0.2)
245	4/13/92	NR	08:48	29.45	5.0	0.50	30	(0.001)	NA	0.08	NA	(0.03)	(0.02)	(0.2)
246	4/13/92	NR	08:35	29.45	5.0	0.50	30	(0.001)	NA	0.2	NA	(0.03)	(0.02)	(0.2)
247	4/30/92	NR	16:50	29.35	4.0	0.50	30	(0.005)	NA	0.1	NA	(0.03)	(0.08)	(0.8)
248	5/15/92	NR	13:38	29.35	3.0	0.50	6	0.07	NA	0.2**	NA	(0.03)	(0.08)	(0.8)
249	5/06/92	NR	10:37	29.35	5.0	0.50	30	(0.001)	NA	0.04	NA	(0.03)	(0.02)	(0.2)
250	5/06/92	NR	09:35	29.35	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
251	5/06/92	NR	10:21	29.35	5.0	0.50	30	0.02	NA	0.008	NA	(0.03)	(0.02)	(0.2)
252	4/13/92	NR	13:58	29.40	5.0	0.50	30	(0.005)	NA	1	NA	(0.03)	(0.08)	(0.8)
253	4/13/92	NR	13:45	29.45	4.5	0.50	30	0.06	NA	2	NA	(0.03)	(0.08)	(0.8)
254	4/13/92	NR	13:27	29.45	5.0	0.50	30	0.03	NA	1	NA	(0.03)	(0.02)	(0.2)
255	4/14/92	NR	15:35	29.45	4.5	0.50	30	0.02	NA	0.02	NA	(0.03)**	(0.02)	(0.2)
256	4/14/92	NR	15:51	29.45	5.0	0.50	30	0.01	NA	0.02	NA	(0.03)	(0.02)	(0.2)
257	4/14/92	NR	16:03	29.40	5.0	0.50	5	0.004	NA	0.004	NA	(0.03)	(0.02)	(0.2)
258	4/16/92	NR	15:28	29.40	5.0	0.50	30	0.02	NA	0.009	NA	(0.03)**	(0.02)	(0.2)
259	3/12/92	NR	10:50	29.50	5.0	0.50	30	0.02	NA	.03	NA	(0.03)**	(0.02)**	(0.2)
260	4/16/92	NR	11:22	29.45	5.0	0.50	30	0.03	NA	0.01	NA	(0.03)**	(0.02)	(0.2)
260(X)	4/16/92	NR	11:34	29.45	5.0	0.50	30	0.04	NA	0.01	NA	(0.03)	(0.02)	(0.2)
261*	4/16/92	NR	10:07	29.45	2.5	0.50	30	(0.001)	NA	0.002	NA	(0.03)	(0.02)**	(0.2)
262	4/16/92	NR	14:42	29.40	5.0	0.50	30	(0.001)	NA	0.003	NA	(0.03)**	(0.02)	(0.2)
263	4/16/92	NR	11:06	29.45	5.0	0.50	30	(0.001)	NA	0.002	NA	(0.03)**	(0.02)	(0.2)
264*	4/16/92	NR	10:22	29.45	2.5	0.50	1	0.004	NA	0.007	NA	(0.03)**	(0.02)	(0.2)
265*	4/16/92	NR	10:35	29.45	5.0	0.50	30	0.02	NA	0.003	NA	(0.03)**	(0.02)	(0.2)
266	4/16/92	NR	14:54	29.40	5.0	0.50	30	0.03	NA	0.03	NA	(0.03)**	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
241	4/13/92	NR	10:02	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.3
242	4/13/92	NR	09:48	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.4
243	4/13/92	NR	09:12	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.7
244	4/13/92	NR	08:59	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.6
245	4/13/92	NR	08:48	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
246	4/13/92	NR	08:35	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
247	4/30/92	NR	16:50	29.35	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
248	5/15/92	NR	13:38	29.35	3.0	0.50	6	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1000
249	5/06/92	NR	10:37	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	72
250	5/06/92	NR	09:35	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.03
251	5/06/92	NR	10:21	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.03
252	4/13/92	NR	13:58	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	7
253	4/13/92	NR	13:45	29.45	4.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	7
254	4/13/92	NR	13:27	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	7
255	4/14/92	NR	15:35	29.45	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
256	4/14/92	NR	15:51	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
257	4/14/92	NR	16:03	29.40	5.0	0.50	5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.009
258	4/16/92	NR	15:28	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.008
259	3/12/92	NR	10:50	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.008
260	4/16/92	NR	11:22	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.06
260(X)	4/16/92	NR	11:34	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.07
261*	4/16/92	NR	10:07	29.45	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.005
262	4/16/92	NR	14:42	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
263	4/16/92	NR	11:06	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.004
264*	4/16/92	NR	10:22	29.45	2.5	0.50	1	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
265*	4/16/92	NR	10:35	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.007
266	4/16/92	NR	14:54	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
241	4/13/92	NR	10:02	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	20.9	78.8	0.019
242	4/13/92	NR	09:48	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.9	19.7	79.2	0.046
243	4/13/92	NR	09:12	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	18.4	81.1	0.027
244	4/13/92	NR	08:59	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	21.2	78.3	0.024
245	4/13/92	NR	08:48	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.8	78.9	0.014
246	4/13/92	NR	08:35	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	21.0	78.5	0.024
247	4/30/92	NR	16:50	29.35	4.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	20.4	78.0	0.078
248	5/15/92	NR	13:38	29.35	3.0	0.50	6	NA	NA	(.1)	(0.01)**	1.4	20.2	78.5	0.069
249	5/06/92	NR	10:37	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	19.5	78.9	0.082
250	5/06/92	NR	09:35	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	21.3	78.2	0.023
251	5/06/92	NR	10:21	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	19.2	79.2	0.083
252	4/13/92	NR	13:58	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.6	16.4	81.1	0.159
253	4/13/92	NR	13:45	29.45	4.5	0.50	30	NA	NA	(.1)	(0.01)	0.8	17.9	81.3	0.045
254	4/13/92	NR	13:27	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	16.6	81.9	0.096
255	4/14/92	NR	15:35	29.45	4.5	0.50	30	NA	NA	(.1)	(0.01)	0.5	21.2	78.3	0.024
256	4/14/92	NR	15:51	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	20.6	78.4	0.053
257	4/14/92	NR	16:03	29.40	5.0	0.50	5	NA	NA	(.1)	(0.01)	0.8	20.4	78.8	0.039
258	4/16/92	NR	15:28	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.9	78.6	0.024
259	3/12/92	NR	10:50	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	20.9	78.5	0.029
260	4/16/92	NR	11:22	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.9	78.9	0.014
260(X)	4/16/92	NR	11:34	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.1	21.4	78.5	0.005
261*	4/16/92	NR	10:07	29.45	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.2	21.2	78.7	0.009
262	4/16/92	NR	14:42	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.4	78.0	0.028
263	4/16/92	NR	11:06	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	(0.1)	21.3	78.7	
264*	4/16/92	NR	10:22	29.45	2.5	0.50	1	NA	NA	(.1)	(0.01)	0.1	21.9	78.0	0.005
265*	4/16/92	NR	10:35	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.1	21.0	78.9	0.005
266	4/16/92	NR	14:54	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	21.5	77.8	0.033

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
267	3/23/92	NR	09:10	29.50	5.0	0.50	30	0.3	NA	(0.2)	NA	1	(0.0001)	(0.1)
268	3/20/92	NR	13:27	29.35	5.0	0.50	30	0.2**	NA	(0.2)	NA	0.9**	(0.0001)*	(0.1)**
269	3/20/92	NR	13:45	29.35	5.0	0.50	30	0.1**	NA	(0.2)	NA	0.7**	0.0008**	(0.1)**
270	4/08/92	NR	13:28	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.4	0.0004	(0.1)
271	4/13/92	NR	16:23	29.40	5.0	0.50	30	0.1	NA	(0.2)	NA	0.2	0.0005	(0.1)**
272	4/13/92	NR	16:11	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	0.0003	(0.1)**
273	4/13/92	NR	15:28	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	(0.0001)	(0.1)**
273(X)	4/13/92	NR	15:41	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	(0.0001)	(0.1)
274	4/13/92	NR	15:15	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.03	0.0006	(0.1)**
275	3/23/92	NR	08:51	29.50	5.0	0.50	30	0.1	NA	(0.2)	NA	0.2	(0.0001)	(0.1)
276	3/20/92	NR	14:04	29.35	5.0	0.50	30	0.1**	NA	(0.2)	NA	0.6**	0.0001**	(0.1)**
277	3/20/92	NR	15:51	29.35	5.0	0.50	30	0.1**	NA	(0.2)	NA	0.2**	0.0001**	(0.1)**
277(X)	3/20/92	NR	16:04	29.35	5.0	0.50	30	0.1	NA	(0.2)	NA	0.2	0.0001	(0.1)
278	3/20/92	NR	12:40	29.35	5.0	0.50	30	0.09**	NA	(0.2)	NA	0.7**	(0.0001)*	(0.1)**
279	3/20/92	NR	12:14	29.35	5.0	0.50	30	0.2**	NA	(0.2)	NA	0.4**	0.0002**	(0.1)**
280	3/20/92	NR	15:07	29.35	5.0	0.23	30	0.1**	NA	(0.2)	NA	0.1**	0.0002**	(0.1)**
281	4/14/92	NR	15:21	29.45	5.0	0.50	30	0.3	NA	(0.2)	NA	0.06	0.0007	(0.1)
282	3/12/92	NR	10:37	29.50	5.0	0.50	30	0.01	NA	(0.2)	NA	0.03	0.0006	(0.1)
283	4/14/92	NR	14:36	29.45	5.0	0.50	30	0.08	NA	(0.2)	NA	0.03	0.01	(0.1)
284	4/14/92	NR	14:49	29.45	5.0	0.50	30	0.02	NA	(0.2)	NA	0.03	0.0005	(0.1)
285	3/13/92	NR	08:49	29.50	5.0	0.50	1.7	0.03	NA	(0.2)	NA	0.3	0.0002	(0.1)
286	3/13/92	NR	08:34	29.50	5.0	0.50	30	0.04	NA	(0.2)	NA	0.03	0.0004	(0.1)
288	3/12/92	NR	09:31	29.50	5.0	0.50	30	0.04	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
290	3/13/92	NR	08:15	29.50	5.0	0.50	30	0.04	NA	(0.2)	NA	0.05	(0.0001)	(0.1)
291	3/11/92	NR	15:41	29.40	5.0	0.50	30	0.01	NA	(0.2)	NA	0.05	(0.0001)	(0.1)
293	3/11/92	NR	16:00	29.40	5.0	0.50	30	0.008	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
295	3/11/92	NR	16:16	29.40	5.0	0.50	30	0.01	NA	(0.2)	NA	0.03	(0.0001)	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
267	3/23/92	NR	09:10	29.50	5.0	0.50	30	0.2	NA	.8	NA	(0.03)	(0.02)	(0.2)
268	3/20/92	NR	13:27	29.35	5.0	0.50	30	0.1**	NA	0.5**	NA	(0.03)	(0.02)**	(0.2)**
269	3/20/92	NR	13:45	29.35	5.0	0.50	30	0.2**	NA	0.8**	NA	(0.03)	(0.02)**	(0.2)**
270	4/08/92	NR	13:28	29.45	5.0	0.50	30	0.04	NA	1	NA	(0.03)**	(0.02)	(0.2)
271	4/13/92	NR	16:23	29.40	5.0	0.50	30	0.004	NA	0.3	NA	(0.03)	(0.02)**	(0.2)
272	4/13/92	NR	16:11	29.40	5.0	0.50	30	0.03	NA	0.2	NA	(0.03)	(0.02)**	(0.2)
273	4/13/92	NR	15:28	29.40	5.0	0.50	30	0.2	NA	0.2	NA	(0.03)	(0.02)**	(0.2)
273(X)	4/13/92	NR	15:41	29.40	5.0	0.50	30	0.2	NA	0.2	NA	(0.03)	(0.02)	(0.2)
274	4/13/92	NR	15:15	29.40	5.0	0.50	30	0.002	NA	0.006	NA	(0.03)	(0.02)**	(0.2)
275	3/23/92	NR	08:51	29.50	5.0	0.50	30	0.2	NA	.2	NA	(0.03)	(0.02)	(0.2)
276	3/20/92	NR	14:04	29.35	5.0	0.50	30	0.04**	NA	0.5**	NA	(0.03)	(0.02)**	(0.2)**
277	3/20/92	NR	15:51	29.35	5.0	0.50	30	0.006**	NA	0.4**	NA	(0.03)	(0.02)**	(0.2)**
277(X)	3/20/92	NR	16:04	29.35	5.0	0.50	30	0.006	NA	0.4	NA	(0.03)	(0.02)	(0.2)
278	3/20/92	NR	12:40	29.35	5.0	0.50	30	0.2**	NA	0.3**	NA	(0.03)	(0.02)**	(0.2)**
279	3/20/92	NR	12:14	29.35	5.0	0.50	30	0.4**	NA	0.5**	NA	(0.03)	(0.02)**	(0.2)**
280	3/20/92	NR	15:07	29.35	5.0	0.23	30	0.2**	NA	0.03**	NA	(0.03)	(0.02)**	(0.2)**
281	4/14/92	NR	15:21	29.45	5.0	0.50	30	0.09	NA	0.005	NA	(0.03)**	(0.02)	(0.2)
282	3/12/92	NR	10:37	29.50	5.0	0.50	30	0.05	NA	.008	NA	(0.03)**	(0.02)**	(0.2)
283	4/14/92	NR	14:36	29.45	5.0	0.50	30	0.3	NA	0.004	NA	(0.03)	(0.02)	(0.2)
284	4/14/92	NR	14:49	29.45	5.0	0.50	30	0.01	NA	0.004	NA	(0.03)	(0.02)	(0.2)
285	3/13/92	NR	08:49	29.50	5.0	0.50	1.7	36	NA	0.02	NA	(0.03)	(0.02)	(0.2)
286	3/13/92	NR	08:34	29.50	5.0	0.50	30	0.3	NA	0.003	NA	(0.03)	(0.02)	(0.2)
288	3/12/92	NR	09:31	29.50	5.0	0.50	30	(0.001)	NA	.008	NA	(0.03)**	(0.02)**	(0.2)
290	3/13/92	NR	08:15	29.50	5.0	0.50	30	0.03	NA	0.005	NA	(0.03)	(0.02)	(0.2)
291	3/11/92	NR	15:41	29.40	5.0	0.50	30	0.02	NA	0.01	NA	(0.03)**	(0.02)	(0.2)
293	3/11/92	NR	16:00	29.40	5.0	0.50	30	0.004	NA	0.01	NA	(0.03)**	(0.02)	(0.2)
295	3/11/92	NR	16:16	29.40	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)**	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
267	3/23/92	NR	09:10	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
268	3/20/92	NR	13:27	29.35	5.0	0.50	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.01**
269	3/20/92	NR	13:45	29.35	5.0	0.50	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.009**
270	4/08/92	NR	13:28	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.05
271	4/13/92	NR	16:23	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.04
272	4/13/92	NR	16:11	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.06
273	4/13/92	NR	15:28	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.1
273(X)	4/13/92	NR	15:41	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
274	4/13/92	NR	15:15	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.01
275	3/23/92	NR	08:51	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
276	3/20/92	NR	14:04	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01**
277	3/20/92	NR	15:51	29.35	5.0	0.50	30	(0.2)**	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.02**
277(X)	3/20/92	NR	16:04	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
278	3/20/92	NR	12:40	29.35	5.0	0.50	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.01**
279	3/20/92	NR	12:14	29.35	5.0	0.50	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.04**
280	3/20/92	NR	15:07	29.35	5.0	0.23	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.08**
281	4/14/92	NR	15:21	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.009
282	3/12/92	NR	10:37	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.003
283	4/14/92	NR	14:36	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
284	4/14/92	NR	14:49	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.008
285	3/13/92	NR	08:49	29.50	5.0	0.50	1.7	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.003
286	3/13/92	NR	08:34	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.003
288	3/12/92	NR	09:31	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.003
290	3/13/92	NR	08:15	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.004
291	3/11/92	NR	15:41	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.004
293	3/11/92	NR	16:00	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.004
295	3/11/92	NR	16:16	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.004

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
267	3/23/92	NR	09:10	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	17.5	81.0	0.086
268	3/20/92	NR	13:27	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	19.1	79.6	0.063
269	3/20/92	NR	13:45	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.8	79.7	0.074
270	4/08/92	NR	13:28	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	19.4	79.1	0.077
271	4/13/92	NR	16:23	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.9	19.0	79.1	0.100
272	4/13/92	NR	16:11	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.1	19.9	79.0	0.055
273	4/13/92	NR	15:28	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.3	16.6	81.0	0.139
273(X)	4/13/92	NR	15:41	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.6	17.7	79.7	0.147
274	4/13/92	NR	15:15	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.6	19.5	78.9	0.082
275	3/23/92	NR	08:51	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	18.7	80.1	0.064
276	3/20/92	NR	14:04	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.9	18.5	79.5	0.103
277	3/20/92	NR	15:51	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.3	18.3	80.5	0.071
277(X)	3/20/92	NR	16:04	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	18.8	79.9	0.069
278	3/20/92	NR	12:40	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	19.5	79.0	0.077
279	3/20/92	NR	12:14	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.3	18.0	79.6	0.128
280	3/20/92	NR	15:07	29.35	5.0	0.23	30	NA	NA	(.1)	(0.01)	0.8	17.6	81.6	0.045
281	4/14/92	NR	15:21	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	18.5	80.6	0.049
282	3/12/92	NR	10:37	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	21.3	78.4	0.014
283	4/14/92	NR	14:36	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.7	78.8	0.024
284	4/14/92	NR	14:49	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.8	78.8	0.024
285	3/13/92	NR	08:49	29.50	5.0	0.50	1.7	NA	NA	(.1)	(0.01)**	0.8	19.9	79.3	0.040
286	3/13/92	NR	08:34	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	19.2	79.5	0.068
288	3/12/92	NR	09:31	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.8	19.5	80.5	0.092
290	3/13/92	NR	08:15	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.0	79.2	0.040
291	3/11/92	NR	15:41	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	21.1	78.5	0.019
293	3/11/92	NR	16:00	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	21.2	78.0	0.038
295	3/11/92	NR	16:16	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	21.0	78.6	0.019

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
299	3/12/92	NR	09:06	29.50	5.0	0.50	30	0.02	NA	(0.2)	NA	0.02	0.0002	(0.1)
301	4/30/92	NR	08:46	29.40	5.0	0.50	30	0.4	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
303*	4/29/92	NR	14:58	29.45	3.0	0.50	7.5	0.05	NA	(0.2)	NA	0.03	0.0008	(0.1)
305	4/29/92	NR	15:36	29.45	5.0	0.50	7.5	0.2	NA	(0.2)	NA	0.03	0.0006	(0.1)
306	4/29/92	NR	15:12	29.45	5.0	0.50	7.5	2	NA	(0.2)	NA	0.05	0.001	(0.1)
309	4/29/92	NR	15:57	29.40	5.0	0.50	7.5	0.3	NA	(0.2)	NA	0.04	(0.0001)	(0.1)
310	4/29/92	NR	16:27	29.40	5.0	0.50	7.5	1	NA	(0.2)	NA	0.05	0.001	(0.1)
311	4/29/92	NR	16:42	29.40	5.0	0.50	7.5	0.2	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
312	4/29/92	NR	16:55	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
314	3/18/92	NR	14:34	29.40	5.0	0.50	30	0.01	NA	(0.2)	NA	0.02	0.0004	(0.1)
317*	3/17/92	NR	14:22	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.02	0.007	(0.1)**
320	3/17/92	NR	10:42	29.35	5.0	0.50	30	0.05**	NA	(0.2)	NA	0.1	(0.0001)	(0.1)**
322	3/11/92	NR	13:45	29.40	5.0	0.50	30	0.04	NA	(0.2)**	NA	0.05	(0.0001)	(0.1)
323	3/17/92	NR	09:19	29.35	5.0	0.50	30	0.01**	NA	(0.2)	NA	0.03	(0.0001)	(0.1)**
326	3/18/92	NR	14:12	29.40	5.0	0.50	30	0.02	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
329	3/18/92	NR	12:16	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.04	0.0006	(0.1)
332	3/17/92	NR	11:36	29.35	5.0	0.50	2.5	0.07	NA	(0.2)	NA	0.1	(0.0001)	(0.1)**
335	3/20/92	NR	11:49	29.35	5.0	0.50	30	0.07**	NA	(0.2)**	NA	0.6**	(0.0001)*	(0.1)**
336*	3/12/92	NR	08:47	29.50	5.0	0.50	2.7	0.01	NA	(0.2)	NA	0.1	0.0003	(0.1)
338	3/11/92	NR	11:39	29.50	5.0	0.50	30	0.08	NA	(0.2)	NA	0.4**	(0.0001)	(0.1)
341	3/11/92	NR	13:01	29.45	5.0	0.50	30	0.4	NA	(0.2)**	NA	0.5	0.002	(0.1)
342*	3/12/92	NR	08:31	29.45	5.0	0.50	5.0	0.006	NA	(0.2)	NA	0.05	0.0005	(0.1)
360	3/11/92	NR	14:46	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.4	0.002	(0.1)
364	3/17/92	NR	09:34	29.35	5.0	0.50	30	0.008**	NA	(0.2)	NA	0.01	0.0003	(0.1)**
366	3/18/92	NR	13:51	29.40	5.0	0.50	1.9	0.008	NA	(0.2)	NA	0.01**	0.0003	(0.1)
368	3/18/92	NR	12:35	29.40	5.0	0.50	30	0.01	NA	(0.2)	NA	0.01**	(0.0001)	(0.1)
371	3/17/92	NR	10:58	29.35	5.0	0.50	30	0.05	NA	(0.2)	NA	0.2	0.0001	(0.1)**

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
299	3/12/92	NR	09:06	29.50	5.0	0.50	30	0.008	NA	.006	NA	(0.03)	(0.02)	(0.2)
301	4/30/92	NR	08:46	29.40	5.0	0.50	30	0.08	NA	0.006	NA	(0.03)	(0.02)	(0.2)
303*	4/29/92	NR	14:58	29.45	3.0	0.50	7.5	(0.001)	NA	0.003**	NA	(0.03)	(0.02)	(0.2)
305	4/29/92	NR	15:36	29.45	5.0	0.50	7.5	0.06	NA	0.006**	NA	(0.03)	(0.02)	(0.2)
306	4/29/92	NR	15:12	29.45	5.0	0.50	7.5	0.2	NA	0.008**	NA	(0.03)	(0.02)	(.2)
309	4/29/92	NR	15:57	29.40	5.0	0.50	7.5	0.06	NA	0.005**	NA	(0.03)	(0.02)	(0.2)
310	4/29/92	NR	16:27	29.40	5.0	0.50	7.5	0.1	NA	0.01**	NA	(0.03)	(0.02)	(0.2)
311	4/29/92	NR	16:42	29.40	5.0	0.50	7.5	(0.001)	NA	0.004**	NA	(0.03)	(0.02)	(0.2)
312	4/29/92	NR	16:55	29.40	5.0	0.50	30	0.006	NA	0.003**	NA	(0.03)	(0.02)	(0.2)
314	3/18/92	NR	14:34	29.40	5.0	0.50	30	0.006	NA	0.002	NA	(0.03)**	(0.02)**	(0.2)
317*	3/17/92	NR	14:22	29.35	5.0	0.50	30	0.01	NA	0.003	NA	(0.03)	(0.2)**	(0.2)
320	3/17/92	NR	10:42	29.35	5.0	0.50	30	0.01	NA	0.009	NA	(0.03)**	(0.02)**	(0.2)
322	3/11/92	NR	13:45	29.40	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
323	3/17/92	NR	09:19	29.35	5.0	0.50	30	0.03	NA	0.02	NA	(0.03)**	(0.02)**	(0.2)
326	3/18/92	NR	14:12	29.40	5.0	0.50	30	(0.001)	NA	0.002	NA	(0.03)**	(0.02)**	(0.2)
329	3/18/92	NR	12:16	29.40	5.0	0.50	30	0.06	NA	0.005	NA	(0.03)	(0.02)	(0.2)
332	3/17/92	NR	11:36	29.35	5.0	0.50	2.5	(0.001)	NA	0.008	NA	(0.03)	(0.02)**	(0.2)
335	3/20/92	NR	11:49	29.35	5.0	0.50	30	0.01**	NA	0.09**	NA	(0.03)	(0.02)**	(0.2)**
336*	3/12/92	NR	08:47	29.50	5.0	0.50	2.7	0.01	NA	.02	NA	(0.03)	(0.02)	(0.2)
338	3/11/92	NR	11:39	29.50	5.0	0.50	30	0.09	NA	0.2	NA	(0.03)**	(0.02)**	(0.2)
341	3/11/92	NR	13:01	29.45	5.0	0.50	30	5	NA	0.07	NA	(0.03)	(0.02)	(0.2)
342*	3/12/92	NR	08:31	29.45	5.0	0.50	5.0	(0.001)	NA	.02	NA	(0.03)	(0.02)	(0.2)
360	3/11/92	NR	14:46	29.40	5.0	0.50	30	0.2	NA	0.1	NA	(0.03)**	(0.02)	(0.2)
364	3/17/92	NR	09:34	29.35	5.0	0.50	30	0.09	NA	0.01	NA	(0.03)**	(0.02)**	(0.2)
366	3/18/92	NR	13:51	29.40	5.0	0.50	1.9	(0.001)	NA	0.002	NA	(0.03)**	(0.02)**	(0.2)
368	3/18/92	NR	12:35	29.40	5.0	0.50	30	(0.001)	NA	0.003	NA	(0.03)**	(0.02)**	(0.2)
371	3/17/92	NR	10:58	29.35	5.0	0.50	30	0.002	NA	0.02	NA	(0.03)**	(0.02)**	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
299	3/12/92	NR	09:06	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.004
301	4/30/92	NR	08:46	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
303*	4/29/92	NR	14:58	29.45	3.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
305	4/29/92	NR	15:36	29.45	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
306	4/29/92	NR	15:12	29.45	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.09
309	4/29/92	NR	15:57	29.40	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
310	4/29/92	NR	16:27	29.40	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
311	4/29/92	NR	16:42	29.40	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
312	4/29/92	NR	16:55	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.007
314	3/18/92	NR	14:34	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.008
317*	3/17/92	NR	14:22	29.35	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.002
320	3/17/92	NR	10:42	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.005**
322	3/11/92	NR	13:45	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.09
323	3/17/92	NR	09:19	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.004**
326	3/18/92	NR	14:12	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.006
329	3/18/92	NR	12:16	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
332	3/17/92	NR	11:36	29.35	5.0	0.50	2.5	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	(0.001)
335	3/20/92	NR	11:49	29.35	5.0	0.50	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.01**
336*	3/12/92	NR	08:47	29.50	5.0	0.50	2.7	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
338	3/11/92	NR	11:39	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.03
341	3/11/92	NR	13:01	29.45	5.0	0.50	30	(0.2)	(0.006)**	2**	4**	NA	NA	0.3
342*	3/12/92	NR	08:31	29.45	5.0	0.50	5.0	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.008
360	3/11/92	NR	14:46	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
364	3/17/92	NR	09:34	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.004**
366	3/18/92	NR	13:51	29.40	5.0	0.50	1.9	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.003
368	3/18/92	NR	12:35	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.004
371	3/17/92	NR	10:58	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.005

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
299	3/12/92	NR	09:06	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.7	79.9	0.075
301	4/30/92	NR	08:46	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	19.6	78.4	0.102
303*	4/29/92	NR	14:58	29.45	3.0	0.50	7.5	NA	NA	(.1)	(0.01)	0.2	21.4	78.4	0.009
305	4/29/92	NR	15:36	29.45	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	0.8	20.8	78.3	0.038
306	4/29/92	NR	15:12	29.45	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	2.2	20.2	77.5	0.109
309	4/29/92	NR	15:57	29.40	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	2.0	19.9	78.2	0.101
310	4/29/92	NR	16:27	29.40	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	15.3	7.1	77.7	2.155
311	4/29/92	NR	16:42	29.40	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	2.6	19.3	78.1	0.135
312	4/29/92	NR	16:55	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	4.3	17.2	78.4	0.250
314	3/18/92	NR	14:34	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.3	79.8	0.047
317*	3/17/92	NR	14:22	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.2	21.0	78.8	0.010
320	3/17/92	NR	10:42	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	20.1	79.5	0.020
322	3/11/92	NR	13:45	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.2	19.2	79.6	0.062
323	3/17/92	NR	09:19	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.0	20.5	78.5	0.049
326	3/18/92	NR	14:12	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	18.2	80.9	0.049
329	3/18/92	NR	12:16	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	21.3	78.4	0.014
332	3/17/92	NR	11:36	29.35	5.0	0.50	2.5	NA	NA	(.1)	(0.01)**	0.4	20	79.6	0.020
335	3/20/92	NR	11:49	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.0	78.8	0.045
336*	3/12/92	NR	08:47	29.50	5.0	0.50	2.7	NA	NA	(.1)	(0.01)	0.2	22.2	77.6	0.009
338	3/11/92	NR	11:39	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	20.8	78.2	0.048
341	3/11/92	NR	13:01	29.45	5.0	0.50	30	NA	NA	(.1)	44**	0.5	19.4	80.1	0.026
342*	3/12/92	NR	08:31	29.45	5.0	0.50	5.0	NA	NA	(.1)	(0.01)	0.1	21.0	78.9	0.005
360	3/11/92	NR	14:46	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	18.5	80.0	0.081
364	3/17/92	NR	09:34	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	21.2	78.4	0.019
366	3/18/92	NR	13:51	29.40	5.0	0.50	1.9	NA	NA	(.1)	(0.01)	0.9	19.0	80.1	0.047
368	3/18/92	NR	12:35	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.6	79.1	0.015
371	3/17/92	NR	10:58	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	21.4	78.3	0.014

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
374	3/20/92	NR	11:34	29.35	5.0	0.50	30	0.06**	NA	(0.2)**	NA	0.3**	0.0009**	(0.1)**
377	3/11/92	NR	11:25	29.50	5.0	0.50	30	0.1	NA	(0.2)	NA	0.9**	(0.0001)	(0.1)
379	3/11/92	NR	15:22	29.40	5.0	0.50	30	0.1	NA	(0.2)	NA	0.5	(0.0001)	(0.1)
381	4/23/92	NR	11:23	29.40	5.0	0.50	30	0.4	NA	(0.2)	NA	0.5	0.001	(0.1)
381(X)	4/23/92	NR	11:35	29.40	5.0	0.50	30	0.4	NA	(0.2)	NA	0.5	0.002	(0.1)
383	3/11/92	NR	14:29	29.40	5.0	0.50	30	0.09	NA	(0.2)	NA	0.3	0.002	(0.1)
386	3/10/92	NR	15:50	29.50	5.0	0.60	36	0.04	NA	(0.7)	NA	0.07	0.004	(0.4)
408	4/23/92	NR	11:10	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.1	0.0005	(0.1)
411	3/17/92	NR	09:56	29.35	5.0	0.50	1.5	0.01**	NA	(0.2)	NA	0.02	(0.0001)	(0.1)**
414	3/18/92	NR	13:07	29.40	4.0	0.50	30	0.009	NA	(0.2)	NA	0.01**	(0.0001)	(0.1)
417	4/30/92	NR	09:07	29.40	2.5	0.50	30	0.1	NA	(0.2)	NA	0.08	0.0004	(0.1)
419	3/17/92	NR	11:14	29.35	5.0	0.50	30	0.08	NA	(0.2)	NA	0.3	0.0001	(0.1)**
422	3/18/92	NR	14:58	29.40	5.0	0.50	0.4	0.08	NA	(0.2)	NA	0.4	0.0001	(0.1)
425	3/11/92	NR	10:57	29.50	5.0	0.50	30	0.1	NA	(0.2)	NA	0.7**	(0.0001)	(0.1)
427	3/10/92	NR	16:15	29.45	5.0	0.60	36	0.1	NA	(0.2)	NA	0.5	0.0008	(0.1)
429	3/11/92	NR	09:01	29.50	5.0	0.50	1.6	0.06	NA	(0.2)	NA	0.1	0.0002	(0.1)
430	3/11/92	NR	09:23	29.50	5.0	0.50	30	0.06	NA	(0.2)	NA	0.1	0.0003	(0.1)
431	3/11/92	NR	09:54	29.50	5.0	0.50	30	0.05	NA	(0.2)	NA	0.08**	(0.0001)	(0.1)
432	3/11/92	NR	10:13	29.50	5.0	0.50	15	0.04	NA	(0.07)	NA	0.06**	(0.00004)	(0.04)
434	3/11/92	NR	14:01	29.40	5.0	0.50	30	0.07	NA	(0.2)**	NA	0.06	0.0007	(0.1)
434(X)	3/11/92	NR	14:14	29.40	5.0	0.50	30	0.08	NA	(0.2)	NA	0.07	0.0004	(0.1)
435	3/19/92	NR	15:26	29.35	5.0	0.50	0.8	0.1**	NA	(0.2)	NA	0.04	0.0006	(0.1)
437	4/27/92	NR	08:42	29.50	5.0	0.50	30	0.2	NA	(0.2)	NA	0.06	(0.0001)	(0.1)
440	4/27/92	NR	09:15	29.50	5.0	0.50	30	0.1	NA	(0.2)	NA	0.1	(0.0001)	(0.1)**
442	4/27/92	NR	10:06	29.50	4.0	0.50	5	0.2	NA	(0.2)	NA	0.04	(0.0001)	(0.1)**
445	4/27/92	NR	10:36	29.50	2.5	0.50	30	0.2	NA	(0.2)	NA	0.04	0.0005	(0.1)
447	4/27/92	NR	11:37	29.50	5.0	0.50	30	0.7	NA	(0.2)	NA	0.04	(0.0001)	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
374	3/20/92	NR	11:34	29.35	5.0	0.50	30	0.008**	NA	0.03**	NA	(0.03)	(0.02)**	(0.2)**
377	3/11/92	NR	11:25	29.50	5.0	0.50	30	0.004	NA	0.1	NA	(0.03)**	(0.02)**	(0.2)
379	3/11/92	NR	15:22	29.40	5.0	0.50	30	(0.001)	NA	0.06	NA	(0.03)**	(0.02)	(0.2)
381	4/23/92	NR	11:23	29.40	5.0	0.50	30	1	NA	0.2	NA	(0.03)	(0.02)	(0.2)
381(X)	4/23/92	NR	11:35	29.40	5.0	0.50	30	2	NA	0.3	NA	(0.03)	(0.02)	(0.2)
383	3/11/92	NR	14:29	29.40	5.0	0.50	30	1	NA	0.2	NA	(0.03)**	(0.02)	(0.2)
386	3/10/92	NR	15:50	29.50	5.0	0.60	36	0.08	NA	.03	NA	(0.03)	(0.08)	(0.8)
408	4/23/92	NR	11:10	29.40	5.0	0.50	30	0.1	NA	0.07	NA	(0.03)	(0.02)	(0.2)
411	3/17/92	NR	09:56	29.35	5.0	0.50	1.5	0.04	NA	0.006	NA	(0.03)**	(0.02)**	(0.2)
414	3/18/92	NR	13:07	29.40	4.0	0.50	30	(0.001)	NA	(0.001)	NA	(0.03)**	(0.02)**	(0.2)
417	4/30/92	NR	09:07	29.40	2.5	0.50	30	0.005	NA	0.009	NA	(0.03)	(0.02)	0.5
419	3/17/92	NR	11:14	29.35	5.0	0.50	30	0.006	NA	0.02	NA	(0.03)	(0.02)**	(0.2)
422	3/18/92	NR	14:58	29.40	5.0	0.50	0.4	0.008	NA	0.008	NA	(0.03)**	(0.02)**	(0.2)
425	3/11/92	NR	10:57	29.50	5.0	0.50	30	0.01	NA	0.1	NA	(0.03)**	(0.02)**	(0.2)
427	3/10/92	NR	16:15	29.45	5.0	0.60	36	0.03	NA	.05	NA	(0.03)	(0.02)	(0.2)
429	3/11/92	NR	09:01	29.50	5.0	0.50	1.6	0.03	NA	0.03	NA	(0.03)	(0.02)	(0.2)
430	3/11/92	NR	09:23	29.50	5.0	0.50	30	0.07	NA	0.04	NA	(0.03)	(0.02)	(0.2)
431	3/11/92	NR	09:54	29.50	5.0	0.50	30	0.04	NA	0.03	NA	(0.03)**	(0.02)**	(0.2)
432	3/11/92	NR	10:13	29.50	5.0	0.50	15	0.03	NA	0.03	NA	(0.03)**	(0.008)**	(0.08)
434	3/11/92	NR	14:01	29.40	5.0	0.50	30	0.006	NA	0.009	NA	(0.03)	(0.02)	(0.2)
434(X)	3/11/92	NR	14:14	29.40	5.0	0.50	30	0.02	NA	0.04	NA	(0.03)	(0.02)	(0.2)
435	3/19/92	NR	15:26	29.35	5.0	0.50	0.8	(0.001)	NA	.003	NA	(0.03)	(0.02)	(0.2)
437	4/27/92	NR	08:42	29.50	5.0	0.50	30	(0.001)	NA	0.004	NA	(0.03)	(0.02)	(0.2)
440	4/27/92	NR	09:15	29.50	5.0	0.50	30	(0.001)	NA	0.006	NA	(0.03)	(0.02)	(0.2)
442	4/27/92	NR	10:06	29.50	4.0	0.50	5	(0.001)	NA	0.004	NA	(0.03)	(0.02)	(0.2)
445	4/27/92	NR	10:36	29.50	2.5	0.50	30	(0.001)	NA	0.005	NA	(0.03)	(0.02)	(0.2)
447	4/27/92	NR	11:37	29.50	5.0	0.50	30	(0.001)	NA	0.003	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ' = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
374	3/20/92	NR	11:34	29.35	5.0	0.50	30	(0.2)**	(0.006)	(0.01)	(0.01)	NA	NA	0.006**
377	3/11/92	NR	11:25	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.05
379	3/11/92	NR	15:22	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.05
381	4/23/92	NR	11:23	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
381(X)	4/23/92	NR	11:35	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
383	3/11/92	NR	14:29	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
386	3/10/92	NR	15:50	29.50	5.0	0.60	36	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.07
408	4/23/92	NR	11:10	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
411	3/17/92	NR	09:56	29.35	5.0	0.50	1.5	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.02**
414	3/18/92	NR	13:07	29.40	4.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
417	4/30/92	NR	09:07	29.40	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.009
419	3/17/92	NR	11:14	29.35	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.005
422	3/18/92	NR	14:58	29.40	5.0	0.50	0.4	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.008
425	3/11/92	NR	10:57	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
427	3/10/92	NR	16:15	29.45	5.0	0.60	36	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.06
429	3/11/92	NR	09:01	29.50	5.0	0.50	1.6	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
430	3/11/92	NR	09:23	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
431	3/11/92	NR	09:54	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
432	3/11/92	NR	10:13	29.50	5.0	0.50	15	(0.08)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
434	3/11/92	NR	14:01	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
434(X)	3/11/92	NR	14:14	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
435	3/19/92	NR	15:26	29.35	5.0	0.50	0.8	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.002
437	4/27/92	NR	08:42	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
440	4/27/92	NR	09:15	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
442	4/27/92	NR	10:06	29.50	4.0	0.50	5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
445	4/27/92	NR	10:36	29.50	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.04
447	4/27/92	NR	11:37	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.05

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
374	3/20/92	NR	11:34	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.4	80.0	0.031
377	3/11/92	NR	11:25	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.0	79.1	0.045
379	3/11/92	NR	15:22	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.2	79.0	0.040
381	4/23/92	NR	11:23	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	19.1	78.9	0.105
381(X)	4/23/92	NR	11:35	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.9	19.0	79.1	0.100
383	3/11/92	NR	14:29	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.4	18.5	79.1	0.130
386	3/10/92	NR	15:50	29.50	5.0	0.60	36	NA	NA	(.1)	(0.01)	0.6	21.2	78.2	0.028
408	4/23/92	NR	11:10	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	19.2	79.1	0.068
411	3/17/92	NR	09:56	29.35	5.0	0.50	1.5	NA	NA	(.1)	(0.01)**	0.2	19.6	80.2	0.010
414	3/18/92	NR	13:07	29.40	4.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	19.9	79.8	0.015
417	4/30/92	NR	09:07	29.40	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.5	77.9	0.028
419	3/17/92	NR	11:14	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	20.4	79.1	0.025
422	3/18/92	NR	14:58	29.40	5.0	0.50	0.4	NA	NA	(.1)	(0.01)	0.9	19.4	79.7	0.046
425	3/11/92	NR	10:57	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	19.3	79.3	0.073
427	3/10/92	NR	16:15	29.45	5.0	0.60	36	NA	NA	(.1)	(0.01)	0.8	20.1	79.1	0.040
429	3/11/92	NR	09:01	29.50	5.0	0.50	1.6	NA	NA	(.1)	(0.01)	0.8	18.2	81.0	0.044
430	3/11/92	NR	09:23	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.7	79.3	0.051
431	3/11/92	NR	09:54	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	19.2	80.0	0.042
432	3/11/92	NR	10:13	29.50	5.0	0.50	15	NA	NA	(.1)	(0.01)	0.8	19.4	79.8	0.041
434	3/11/92	NR	14:01	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.8	18.7	80.5	0.043
434(X)	3/11/92	NR	14:14	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	19.5	79.0	0.077
435	3/19/92	NR	15:26	29.35	5.0	0.50	0.8	NA	NA	(.1)	(0.01)	0.5	17.6	81.9	0.028
437	4/27/92	NR	08:42	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.7	78.4	0.043
440	4/27/92	NR	09:15	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.8	78.3	0.043
442	4/27/92	NR	10:06	29.50	4.0	0.50	5	NA	NA	(.1)	(0.01)	0.3	21.6	78.1	0.014
445	4/27/92	NR	10:36	29.50	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.4	78.0	0.028
447	4/27/92	NR	11:37	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	20.7	78.3	0.048

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
447(X)	4/27/92	NR	11:50	29.50	5.0	0.50	30	0.7	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
449	3/19/92	NR	17:45	29.35	5.0	0.50	30	0.06**	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
450	3/19/92	NR	15:52	29.35	5.0	0.50	1.6	0.06**	NA	(0.2)	NA	0.01	(0.0001)	(0.1)
453	3/19/92	NR	14:56	29.35	5.0	0.50	0.9	0.02	NA	(0.2)	NA	0.02	0.0004	(0.1)
453(X)	3/19/92	NR	15:09	29.35	5.0	0.50	0.9	0.02	NA	(0.2)	NA	0.01	0.0003	(0.1)
455	3/19/92	NR	14:32	29.35	5.0	0.50	30	0.07	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
458	3/19/92	NR	13:56	29.35	5.0	0.50	30	0.3	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
460	3/19/92	NR	13:33	29.40	5.0	0.50	30	0.3	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
462	3/19/92	NR	17:16	29.35	5.0	0.50	30	0.4**	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
464	3/19/92	NR	16:29	29.35	5.0	0.50	30	0.1**	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
466	4/27/92	NR	09:02	29.50	5.0	0.50	30	0.08	NA	(0.2)	NA	0.04	0.0006	(0.1)**
468	4/27/92	NR	09:30	29.50	3.0	0.50	30	0.07	NA	(0.2)	NA	0.05	0.0005	(0.1)**
471*	4/27/92	NR	10:21	29.50	2.5	0.50	30	0.1	NA	(0.2)	NA	0.03	0.0007	(0.1)**
474	4/27/92	NR	10:49	29.50	4.0	0.50	30	0.2	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
476	4/27/92	NR	11:22	29.50	5.0	0.50	30	0.4	NA	(0.2)	NA	0.04	(0.0001)	(0.1)
478	3/19/92	NR	16:52	29.35	5.0	0.50	30	0.2**	NA	(0.2)	NA	0.04	(0.0001)	(0.1)
479	8/18/92	NR	09:09	29.40	4.0	0.50	30	(0.0007)	NA	(0.7)	NA	0.3	(0.0004)	(0.4)
480	8/18/92	NR	08:54	29.40	3.5	0.50	30	0.03	NA	(0.2)	NA	4	(0.0001)	(0.1)
482	8/18/92	NR	10:06	29.40	4.5	0.50	30	0.1	NA	(0.7)**	NA	3	(0.0004)	(0.4)
484	8/18/92	NR	09:35	29.40	5.0	0.50	30	0.1	NA	(0.7)**	NA	9	(0.0004)	(0.4)
485	8/18/92	NR	09:24	29.40	3.5	0.50	30	0.02	NA	(0.7)**	NA	4	(0.0004)	(0.4)
487	8/19/92	NR	13:31	29.40	5.0	0.50	30	(0.0007)	NA	(0.7)	NA	0.3	0.02	(0.4)
488*	8/19/92	NR	13:21	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	0.5	0.01	(0.4)
489*	8/19/92	NR	13:02	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	2	0.007	(0.4)
489(X)*	8/19/92	NR	13:11	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	2	0.007	(0.4)
490	8/19/92	NR	12:43	29.40	4.0	0.50	30	(0.0007)	NA	(0.7)	NA	13	0.02	(0.4)
491	8/19/92	NR	11:36	29.40	5.0	0.50	30	(0.0007)	NA	(0.7)	NA	17	(0.0004)	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
447(X)	4/27/92	NR	11:50	29.50	5.0	0.50	30	(0.001)	NA	0.003	NA	(0.03)	(0.008)	(0.2)
449	3/19/92	NR	17:45	29.35	5.0	0.50	30	(0.001)	NA	.002	NA	(0.03)	(0.02)	(0.2)
450	3/19/92	NR	15:52	29.35	5.0	0.50	1.6	(0.001)	NA	.002	NA	(0.03)	(0.02)	(0.2)
453	3/19/92	NR	14:56	29.35	5.0	0.50	0.9	(0.001)	NA	.003	NA	(0.03)**	(0.02)	(0.2)
453(X)	3/19/92	NR	15:09	29.35	5.0	0.50	0.9	(0.001)	NA	.001	NA	(0.03)	(0.02)	(0.2)
455	3/19/92	NR	14:32	29.35	5.0	0.50	30	0.009	NA	.006	NA	(0.03)**	(0.02)	(0.2)
458	3/19/92	NR	13:56	29.35	5.0	0.50	30	(0.001)	NA	.002	NA	(0.03)**	(0.02)	(0.2)
460	3/19/92	NR	13:33	29.40	5.0	0.50	30	(0.001)	NA	.003	NA	(0.03)**	(0.02)	(0.2)
462	3/19/92	NR	17:16	29.35	5.0	0.50	30	0.005	NA	.002	NA	(0.03)	(0.02)	(0.2)
464	3/19/92	NR	16:29	29.35	5.0	0.50	30	(0.001)	NA	.002	NA	(0.03)	(0.02)	(0.2)
466	4/27/92	NR	09:02	29.50	5.0	0.50	30	(0.001)	NA	0.005	NA	(0.03)	(0.02)	(0.2)
468	4/27/92	NR	09:30	29.50	3.0	0.50	30	(0.001)	NA	0.004	NA	(0.03)	(0.02)	(0.2)
471*	4/27/92	NR	10:21	29.50	2.5	0.50	30	(0.001)	NA	0.005	NA	(0.03)	(0.02)	(0.2)
474	4/27/92	NR	10:49	29.50	4.0	0.50	30	(0.001)	NA	0.005	NA	(0.03)	(0.02)	(0.2)
476	4/27/92	NR	11:22	29.50	5.0	0.50	30	(0.001)	NA	0.005	NA	(0.03)	(0.02)	(0.2)
478	3/19/92	NR	16:52	29.35	5.0	0.50	30	(0.001)	NA	.002	NA	(0.03)	(0.02)	(0.2)
479	8/18/92	NR	09:09	29.40	4.0	0.50	30	(0.005)	NA	0.06	NA	(0.03)	(0.08)	(0.8)
480	8/18/92	NR	08:54	29.40	3.5	0.50	30	0.03	NA	0.1	NA	(0.03)	(0.02)	(0.2)
482	8/18/92	NR	10:06	29.40	4.5	0.50	30	(0.005)	NA	0.1	NA	(0.03)**	(0.08)	(0.8)
484	8/18/92	NR	09:35	29.40	5.0	0.50	30	(0.005)	NA	0.1	NA	(0.03)**	(0.08)	(0.8)
485	8/18/92	NR	09:24	29.40	3.5	0.50	30	(0.005)	NA	0.08	NA	(0.03)**	(0.08)	(0.8)
487	8/19/92	NR	13:31	29.40	5.0	0.50	30	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
488*	8/19/92	NR	13:21	29.40	2.5	0.50	30	(0.005)	NA	0.04	NA	(0.03)	(0.08)	(0.8)
489*	8/19/92	NR	13:02	29.40	2.5	0.50	30	(0.005)	NA	0.02	NA	(0.03)	(0.08)	(0.8)
489(X)*	8/19/92	NR	13:11	29.40	2.5	0.50	30	(0.005)	NA	0.02	NA	(0.03)	(0.08)	(0.8)
490	8/19/92	NR	12:43	29.40	4.0	0.50	30	(0.005)	NA	0.1	NA	(0.03)	(0.08)	(0.8)
491	8/19/92	NR	11:36	29.40	5.0	0.50	30	(0.002)	NA	0.06	NA	(0.03)	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
447(X)	4/27/92	NR	11:50	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.05
449	3/19/92	NR	17:45	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
450	3/19/92	NR	15:52	29.35	5.0	0.50	1.6	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.003
453	3/19/92	NR	14:56	29.35	5.0	0.50	0.9	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.03
453(X)	3/19/92	NR	15:09	29.35	5.0	0.50	0.9	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.008
455	3/19/92	NR	14:32	29.35	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.02
458	3/19/92	NR	13:56	29.35	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.02
460	3/19/92	NR	13:33	29.40	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.02
462	3/19/92	NR	17:16	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
464	3/19/92	NR	16:29	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
466	4/27/92	NR	09:02	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
468	4/27/92	NR	09:30	29.50	3.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
471*	4/27/92	NR	10:21	29.50	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.004
474	4/27/92	NR	10:49	29.50	4.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
476	4/27/92	NR	11:22	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
478	3/19/92	NR	16:52	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
479	8/18/92	NR	09:09	29.40	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
480	8/18/92	NR	08:54	29.40	3.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
482	8/18/92	NR	10:06	29.40	4.5	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	(0.004)
484	8/18/92	NR	09:35	29.40	5.0	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	1
485	8/18/92	NR	09:24	29.40	3.5	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	(0.004)
487	8/19/92	NR	13:31	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
488*	8/19/92	NR	13:21	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
489*	8/19/92	NR	13:02	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
489(X)*	8/19/92	NR	13:11	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
490	8/19/92	NR	12:43	29.40	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
491	8/19/92	NR	11:36	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
447(X)	4/27/92	NR	11:50	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	20.2	78.6	0.059
449	3/19/92	NR	17:45	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	18.7	79.6	0.091
450	3/19/92	NR	15:52	29.35	5.0	0.50	1.6	NA	NA	(.1)	(0.01)	0.5	20.1	79.3	0.025
453	3/19/92	NR	14:56	29.35	5.0	0.50	0.9	NA	NA	(.1)	(0.01)**	0.1	19.3	80.5	0.005
453(X)	3/19/92	NR	15:09	29.35	5.0	0.50	0.9	NA	NA	(.1)	(0.01)	0.2	20.8	79.0	0.010
455	3/19/92	NR	14:32	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.0	20.2	78.8	0.050
458	3/19/92	NR	13:56	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.5	19.0	80.6	0.026
460	3/19/92	NR	13:33	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.8	18.9	80.3	0.042
462	3/19/92	NR	17:16	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	16.8	82.4	0.048
464	3/19/92	NR	16:29	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	19.4	79.6	0.057
466	4/27/92	NR	09:02	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	22.4	77.2	0.018
468	4/27/92	NR	09:30	29.50	3.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	22.0	77.7	0.014
471*	4/27/92	NR	10:21	29.50	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.2	22.8	77.0	0.009
474	4/27/92	NR	10:49	29.50	4.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	21.4	77.8	0.023
476	4/27/92	NR	11:22	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.1	78.2	0.028
478	3/19/92	NR	16:52	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	19.0	79.3	0.089
479	8/18/92	NR	09:09	29.40	4.0	0.50	30	NA	NA	(0.1)	(0.01)	1.1	18.6	80.3	0.059
480	8/18/92	NR	08:54	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	4.9	14.4	80.7	0.340
482	8/18/92	NR	10:06	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)	2.0	17.8	80.2	0.112
484	8/18/92	NR	09:35	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	4.7	13.7	81.6	0.343
485	8/18/92	NR	09:24	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	3.8	16.1	80.1	0.236
487	8/19/92	NR	13:31	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.5	18.4	79.1	0.136
488*	8/19/92	NR	13:21	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	0.8	19.9	79.3	0.040
489*	8/19/92	NR	13:02	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	0.4	19.8	79.8	0.020
489(X)*	8/19/92	NR	13:11	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	0.4	20.5	79.1	0.020
490	8/19/92	NR	12:43	29.40	4.0	0.50	30	NA	NA	(0.1)	(0.01)	1.5	18.0	80.5	0.083
491	8/19/92	NR	11:36	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.4	18.1	80.6	0.077

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
492	8/19/92	NR	11:21	29.40	5.0	0.50	30	(0.0007)	NA	(0.4)	NA	15	(0.0002)	(0.2)
493	5/19/93	11:55	11:56	29.40	3.0	0.25	30	0.26	NA	(100)	NA	2.1	(0.1)	(100)
496	5/19/93	10:53	10:53	29.40	3.0	0.25	30	0.005	NA	(1)	NA	11	(0.1)	(1)
497	5/28/93	08:32	08:32	NR	2.5	0.25	30	0.012	NA	(1)	NA	20	(0.1)	(100)
498	5/28/93	08:54	08:54	NR	2.5	0.25	30	0.015	NA	(10)	NA	5.6	(0.1)	(10)
499	5/28/93	09:12	09:17	NR	2.5	0.25	30	0.019	NA	(10)	NA	2.1	(0.01)	(10)
501	5/26/93	08:38	08:40	NR	3.5	0.50	15	0.003	NA	(1)	NA	0.035	(0.001)	(1)
503	6/01/93	08:50	08:59	NR	5.0	0.50	30	0.022	NA	(10)	NA	2.4	0.14	(10)
504	5/28/93	10:53	10:54	NR	2.5	0.25	30	0.022	NA	(10)	NA	0.39	0.061	(10)
506	5/26/93	13:43	13:43	NR	3.5	0.50	30	0.024	NA	(10)	NA	0.65	(0.01)	(10)
507	5/26/93	09:32	09:32	NR	5.0	0.50	30	0.018	NA	(1)	NA	0.98	(0.01)	(1)
508	5/28/93	12:50	12:51	NR	5.0	0.50	30	0.021	NA	(10)	NA	1.1	0.082	(10)
510	5/26/93	14:14	14:14	NR	5.0	0.50	30	0.018	NA	(10)	NA	0.21	0.009	(10)
511	5/26/93	09:54	09:54	NR	2.5	0.25	30	0.018	NA	(10)	NA	2.2	(0.01)	(10)
512	5/26/93	08:52	08:52	NR	5.0	0.50	15	0.005	NA	(1)	NA	0.04	(0.001)	(1)
513	5/28/93	13:10	13:11	NR	2.5	0.25	30	0.23	NA	(10)	NA	11	0.29	(10)
514	5/28/93	10:37	10:38	NR	5.0	0.50	30	0.022	NA	(10)	NA	0.37	0.043	(10)
515	5/26/93	15:40	15:40	NR	2.5	0.25	30	0.014	NA	(10)	NA	0.3	0.01	(10)
516	5/26/93	13:20	13:24	NR	5.0	0.50	30	0.022	NA	(10)	NA	1.1	(0.01)	(10)
518	5/28/93	12:22	12:22	NR	5.0	0.50	30	0.022	NA	(10)	NA	0.98	0.023	(10)
518(X)	5/28/93	12:25	12:32	NR	5.0	-	-	0.015	NA	(10)	NA	0.85	0.019	(10)
519	5/26/93	15:56	15:56	NR	2.5	0.25	30	0.017	NA	(10)	NA	11	(0.1)	(10)
520	5/26/93	14:01	14:01	NR	5.0	0.50	30	0.009	NA	(10)	NA	0.54	(0.01)	(10)
521	5/26/93	11:41	11:42	NR	3.5	0.50	30	(0.01)	NA	(10)	NA	11	(0.1)	(10)
521(X)	5/26/93	11:45	12:02	NR	3.5	0.50	30	(0.01)	NA	(10)	NA	9.1	(0.1)	(10)
522*	8/19/92	NR	14:20	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	0.9	(0.0004)	(0.4)
523	8/18/92	NR	15:06	29.40	3.0	0.50	30	(0.0007)	NA	(0.7)	NA	2	0.007	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
492	8/19/92	NR	11:21	29.40	5.0	0.50	30	(0.002)	NA	0.1	NA	(0.03)	(0.04)	(0.4)
493	5/19/93	11:55	11:56	29.40	3.0	0.25	30	(1)	NA	15	NA	(1)	(1)	(100)
496	5/19/93	10:53	10:53	29.40	3.0	0.25	30	0.12	NA	6	NA	(1)	(1)	(1)
497	5/28/93	08:32	08:32	NR	2.5	0.25	30	(0.01)	NA	0.0081	NA	(1)	(1)	(1)
498	5/28/93	08:54	08:54	NR	2.5	0.25	30	(0.1)	NA	0.076	NA	(1)	(1)	(10)
499	5/28/93	09:12	09:17	NR	2.5	0.25	30	(0.1)	NA	0.074	NA	(1)	(1)	(10)
501	5/26/93	08:38	08:40	NR	3.5	0.50	15	(0.01)	NA	0.004	NA	(1)	(1)	(1)
503	6/01/93	08:50	08:59	NR	5.0	0.50	30	(0.1)	NA	0.64	NA	(1)	(1)	(10)
504	5/28/93	10:53	10:54	NR	2.5	0.25	30	0.07	NA	0.29	NA	(1)	(1)	(10)
506	5/26/93	13:43	13:43	NR	3.5	0.50	30	(0.1)**	NA	0.22	NA	(1)	(1)	(10)
507	5/26/93	09:32	09:32	NR	5.0	0.50	30	(0.01)	NA	0.08	NA	(1)	(1)	(1)
508	5/28/93	12:50	12:51	NR	5.0	0.50	30	(0.1)	NA	0.39	NA	(1)	(1)	(10)
510	5/26/93	14:14	14:14	NR	5.0	0.50	30	(0.1)	NA	0.15	NA	(1)	(1)	(10)
511	5/26/93	09:54	09:54	NR	2.5	0.25	30	(0.1)	NA	0.14	NA	(1)	(1)	(10)
512	5/26/93	08:52	08:52	NR	5.0	0.50	15	(0.01)	NA	0.024	NA	(1)	(1)	(1)
513	5/28/93	13:10	13:11	NR	2.5	0.25	30	(0.1)	NA	0.29	NA	(1)	(1)	(10)
514	5/28/93	10:37	10:38	NR	5.0	0.50	30	0.033	NA	0.27	NA	(1)	(1)	(10)
515	5/26/93	15:40	15:40	NR	2.5	0.25	30	(0.1)	NA	0.17	NA	(1)	(1)	(10)
516	5/26/93	13:20	13:24	NR	5.0	0.50	30	(0.1)**	NA	0.047	NA	(1)	(1)	(10)
518	5/28/93	12:22	12:22	NR	5.0	0.50	30	(0.1)	NA	0.2	NA	(1)	(1)	(10)
518(X)	5/28/93	12:25	12:32	NR	5.0	-	-	(0.1)	NA	0.19	NA	(1)	(1)	(10)
519	5/26/93	15:56	15:56	NR	2.5	0.25	30	(0.1)	NA	0.13	NA	(1)	(1)	(10)
520	5/26/93	14:01	14:01	NR	5.0	0.50	30	(0.1)	NA	0.03	NA	(1)	(1)	(10)
521	5/26/93	11:41	11:42	NR	3.5	0.50	30	(0.1)**	NA	0.053	NA	(1)	(1)	(10)
521(X)	5/26/93	11:45	12:02	NR	3.5	0.50	30	(0.1)**	NA	0.043	NA	(1)	(1)	(10)
522*	8/19/92	NR	14:20	29.40	2.5	0.50	30	(0.005)	NA	0.04	NA	(0.03)	(0.08)	(0.8)
523	8/18/92	NR	15:06	29.40	3.0	0.50	30	(0.005)	NA	0.1	NA	(0.03)**	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
492	8/19/92	NR	11:21	29.40	5.0	0.50	30	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	(0.002)
493	5/19/93	11:55	11:56	29.40	3.0	0.25	30	(100)	(1)	(1)	(1)	NA	NA	(0.1)
496	5/19/93	10:53	10:53	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
497	5/28/93	08:32	08:32	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.16
498	5/28/93	08:54	08:54	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.35
499	5/28/93	09:12	09:17	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.13
501	5/26/93	08:38	08:40	NR	3.5	0.50	15	(1)	(1)	(1)	(1)	NA	NA	(0.1)
503	6/01/93	08:50	08:59	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.5
504	5/28/93	10:53	10:54	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.58
506	5/26/93	13:43	13:43	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.6
507	5/26/93	09:32	09:32	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.8
508	5/28/93	12:50	12:51	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.42
510	5/26/93	14:14	14:14	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.5
511	5/26/93	09:54	09:54	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.7
512	5/26/93	08:52	08:52	NR	5.0	0.50	15	(1)	(1)	(1)	(1)	NA	NA	(0.1)
513	5/28/93	13:10	13:11	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.33
514	5/28/93	10:37	10:38	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.64
515	5/26/93	15:40	15:40	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	1.2
516	5/26/93	13:20	13:24	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.5
518	5/28/93	12:22	12:22	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.39
518(X)	5/28/93	12:25	12:32	NR	5.0	-	-	(10)	(1)	(1)	(1)	NA	NA	0.42
519	5/26/93	15:56	15:56	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	3.2
520	5/26/93	14:01	14:01	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.5
521	5/26/93	11:41	11:42	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	14
521(X)	5/26/93	11:45	12:02	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	18
522*	8/19/92	NR	14:20	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
523	8/18/92	NR	15:06	29.40	3.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	(0.004)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
492	8/19/92	NR	11:21	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	3.6	15.5	80.9	0.232
493	5/19/93	11:55	11:56	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	0.7	18.9	80.4	0.037
496	5/19/93	10:53	10:53	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	1.4	17.9	80.6	0.078
497	5/28/93	08:32	08:32	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	2.0	17.5	80.4	0.114
498	5/28/93	08:54	08:54	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	2.9	17.2	79.9	0.169
499	5/28/93	09:12	09:17	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.2	17.8	81.0	0.067
501	5/26/93	08:38	08:40	NR	3.5	0.50	15	NA	NA	(0.1)	(1)	0.8	19.3	79.9	0.041
503	6/01/93	08:50	08:59	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.7	17.9	80.4	0.095
504	5/28/93	10:53	10:54	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.0	18.3	80.7	0.055
506	5/26/93	13:43	13:43	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	4.7	15.6	79.7	0.301
507	5/26/93	09:32	09:32	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	3.9	16.2	79.9	0.241
508	5/28/93	12:50	12:51	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.4	18.2	80.4	0.077
510	5/26/93	14:14	14:14	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.6	18.4	80.0	0.087
511	5/26/93	09:54	09:54	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	4.4	15.6	80	0.282
512	5/26/93	08:52	08:52	NR	5.0	0.50	15	NA	NA	(0.1)	(1)	1.1	19.1	79.8	0.058
513	5/28/93	13:10	13:11	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.5	18.6	79.9	0.081
514	5/28/93	10:37	10:38	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.1	19.1	79.8	0.058
515	5/26/93	15:40	15:40	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.1	18.6	80.3	0.059
516	5/26/93	13:20	13:24	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.2	17.9	80.9	0.067
518	5/28/93	12:22	12:22	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	2.0	18.2	79.8	0.110
518(X)	5/28/93	12:25	12:32	NR	5.0	-	-	NA	NA	(0.1)	(1)	1.8	18.3	79.9	0.098
519	5/26/93	15:56	15:56	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	0.9	18.4	80.6	0.049
520	5/26/93	14:01	14:01	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.4	18.4	80.2	0.076
521	5/26/93	11:41	11:42	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	2.1	18.0	79.9	0.117
521(X)	5/26/93	11:45	12:02	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	2.3	17.5	80.2	0.131
522*	8/19/92	NR	14:20	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	1.1	19.8	79.1	0.056
523	8/18/92	NR	15:06	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.3	18.9	79.8	0.069

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
524	6/01/93	10:56	10:56	NR	5.0	0.50	30	(0.01)	NA	(10)	NA	3.4	0.016	(10)
525	6/01/93	10:39	10:39	NR	5.0	0.50	30	(0.01)	NA	(10)	NA	1.8	0.012	(10)
526	6/01/93	09:58	09:58	NR	5.0	0.50	30	(0.01)	NA	(10)	NA	3.8	0.029	(10)
527	6/01/93	09:38	09:38	NR	4.5	0.50	30	(0.01)	NA	(10)	NA	3.3	0.033	(10)
528	6/01/93	09:08	09:08	NR	5.0	0.50	30	0.008	NA	(10)	NA	4.7	0.14	(10)
529	5/28/93	12:08	12:09	NR	3.5	0.50	30	0.03	NA	(10)	NA	2	0.12	(10)
530	5/28/93	11:25	11:26	NR	5.0	0.50	30	0.05	NA	(10)	NA	2.3	0.17	(10)
531	5/28/93	11:11	11:12	NR	3.0	0.25	30	0.025	NA	(10)	NA	0.55	0.066	(10)
532	5/28/93	09:42	09:42	NR	3.0	0.25	30	0.022	NA	(1)	NA	0.46	0.066	(1)
533	5/26/93	15:12	15:13	NR	2.5	0.50	30	0.022	NA	(10)	NA	0.29	0.03	(10)
534	5/26/93	14:52	14:52	NR	4.0	0.50	30	0.021	NA	(10)	NA	0.16	0.009	(10)
535	8/19/92	NR	09:06	29.40	4.0	0.50	10	0.02	NA	(0.7)	NA	1	(0.0004)	(0.4)
536	8/18/92	NR	12:42	29.40	2.0	0.50	30	(0.0007)	NA	(0.7)	NA	0.2	(0.0004)	(0.4)
537	8/19/92	NR	08:54	29.40	5.0	0.50	10	0.01	NA	(0.7)	NA	0.1	(0.0004)	(0.4)
538	8/19/92	NR	09:41	29.40	2.5	0.50	10	0.02	NA	(0.7)	NA	0.04	(0.0004)	(0.4)
539	8/19/92	NR	10:40	29.40	5.0	0.50	10	(0.0007)	NA	(0.7)	NA	0.07	(0.0004)	(0.4)
542	8/18/92	NR	13:02	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	0.09	(0.0004)	(0.4)
542(X)	8/18/92	NR	13:11	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	0.06	(0.0004)	(0.4)
543	8/19/92	NR	09:58	29.40	2.5	0.50	10	(0.0007)	NA	(0.7)	NA	0.04	(0.0004)	(0.4)
544	8/18/92	NR	10:32	29.40	3.5	0.50	30	0.01	NA	(0.7)	NA	0.4	0.01	(0.4)
545	8/18/92	NR	14:49	29.40	5.0	0.50	30	0.01	NA	(0.7)	NA	0.4	0.009	(0.4)
546	8/18/92	NR	14:36	29.40	4.0	0.50	30	0.02	NA	(0.7)	NA	0.1	(0.0004)	(0.4)
547	8/18/92	NR	13:23	29.40	2.5	0.50	30	(0.0007)	NA	(0.7)**	NA	0.08	(0.0004)	(0.4)
548	8/18/92	NR	10:46	29.40	3.0	0.50	30	0.01	NA	(0.7)	NA	0.07	(0.0004)	(0.4)
549	8/19/92	NR	10:57	29.40	4.0	0.50	10	0.01	NA	(0.7)	NA	0.2	(0.0004)	(0.4)
550	8/18/92	NR	14:16	29.40	2.5	0.50	30	0.01	NA	(0.2)**	NA	0.1	(0.0001)	(0.1)
551	8/18/92	NR	11:10	29.40	5.0	0.50	30	0.01	NA	(0.7)	NA	0.05	(0.0004)	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
524	6/01/93	10:56	10:56	NR	5.0	0.50	30	(0.1)	NA	0.18	NA	(1)	(1)	(10)
525	6/01/93	10:39	10:39	NR	5.0	0.50	30	(0.1)	NA	0.15	NA	(1)	(1)	(10)
526	6/01/93	09:58	09:58	NR	5.0	0.50	30	(0.1)	NA	0.27	NA	(1)	(1)	(10)
527	6/01/93	09:38	09:38	NR	4.5	0.50	30	(0.1)	NA	0.34	NA	(1)	(1)	(10)
528	6/01/93	09:08	09:08	NR	5.0	0.50	30	0.079	NA	0.49	NA	(1)	(1)	(10)
529	5/28/93	12:08	12:09	NR	3.5	0.50	30	0.058	NA	0.55	NA	(1)	(1)	(10)
530	5/28/93	11:25	11:26	NR	5.0	0.50	30	0.11	NA	0.79	NA	(1)	(1)	(10)
531	5/28/93	11:11	11:12	NR	3.0	0.25	30	0.077	NA	0.58	NA	(1)	(1)	(10)
532	5/28/93	09:42	09:42	NR	3.0	0.25	30	(0.01)	NA	0.66	NA	(1)	(1)	(1)
533	5/26/93	15:12	15:13	NR	2.5	0.50	30	0.02	NA	1.1	NA	(1)	(1)	(10)
534	5/26/93	14:52	14:52	NR	4.0	0.50	30	0.02	NA	0.56	NA	(1)	(1)	(10)
535	8/19/92	NR	09:06	29.40	4.0	0.50	10	(0.005)	NA	0.3	NA	(0.03)	(0.08)	(0.8)
536	8/18/92	NR	12:42	29.40	2.0	0.50	30	(0.005)	NA	0.09	NA	(0.03)	(0.08)	(0.8)
537	8/19/92	NR	08:54	29.40	5.0	0.50	10	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
538	8/19/92	NR	09:41	29.40	2.5	0.50	10	(0.005)	NA	0.03	NA	(0.03)	(0.08)	(0.8)
539	8/19/92	NR	10:40	29.40	5.0	0.50	10	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
542	8/18/92	NR	13:02	29.40	2.5	0.50	30	(0.005)	NA	0.3	NA	(0.03)	(0.08)	(0.8)
542(X)	8/18/92	NR	13:11	29.40	2.5	0.50	30	(0.005)	NA	0.4	NA	(0.03)	(0.08)	(0.8)
543	8/19/92	NR	09:58	29.40	2.5	0.50	10	(0.005)	NA	0.05	NA	(0.03)	(0.08)	(0.8)
544	8/18/92	NR	10:32	29.40	3.5	0.50	30	(0.005)	NA	0.5	NA	(0.03)	(0.08)	(0.8)
545	8/18/92	NR	14:49	29.40	5.0	0.50	30	0.4	NA	2	NA	(0.03)**	(0.08)	(0.8)
546	8/18/92	NR	14:36	29.40	4.0	0.50	30	(0.005)	NA	0.7	NA	(0.03)	(0.08)	(0.8)
547	8/18/92	NR	13:23	29.40	2.5	0.50	30	0.07	NA	1	NA	(0.03)**	(0.08)	(0.8)
548	8/18/92	NR	10:46	29.40	3.0	0.50	30	0.06	NA	0.3	NA	(0.03)	(0.08)	(0.8)
549	8/19/92	NR	10:57	29.40	4.0	0.50	10	0.1	NA	0.7	NA	(0.03)	(0.08)	(0.8)
550	8/18/92	NR	14:16	29.40	2.5	0.50	30	0.9	NA	12	NA	(0.03)**	(0.02)	(0.2)
551	8/18/92	NR	11:10	29.40	5.0	0.50	30	0.05	NA	1	NA	(0.03)	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
524	6/01/93	10:56	10:56	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	(0.1)
525	6/01/93	10:39	10:39	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	(0.1)
526	6/01/93	09:58	09:58	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	(0.1)
527	6/01/93	09:38	09:38	NR	4.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	(0.1)
528	6/01/93	09:08	09:08	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	(0.1)
529	5/28/93	12:08	12:09	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.19
530	5/28/93	11:25	11:26	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.31
531	5/28/93	11:11	11:12	NR	3.0	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.29
532	5/28/93	09:42	09:42	NR	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.49
533	5/26/93	15:12	15:13	NR	2.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.8
534	5/26/93	14:52	14:52	NR	4.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.7
535	8/19/92	NR	09:06	29.40	4.0	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
536	8/18/92	NR	12:42	29.40	2.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
537	8/19/92	NR	08:54	29.40	5.0	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
538	8/19/92	NR	09:41	29.40	2.5	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
539	8/19/92	NR	10:40	29.40	5.0	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
542	8/18/92	NR	13:02	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
542(X)	8/18/92	NR	13:11	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.0004)
543	8/19/92	NR	09:58	29.40	2.5	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
544	8/18/92	NR	10:32	29.40	3.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.07
545	8/18/92	NR	14:49	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.1
546	8/18/92	NR	14:36	29.40	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.07
547	8/18/92	NR	13:23	29.40	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.07
548	8/18/92	NR	10:46	29.40	3.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
549	8/19/92	NR	10:57	29.40	4.0	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
550	8/18/92	NR	14:16	29.40	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
551	8/18/92	NR	11:10	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.06

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
524	6/01/93	10:56	10:56	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	2	18.2	79.8	0.110
525	6/01/93	10:39	10:39	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.5	18.2	80.3	0.082
526	6/01/93	09:58	09:58	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	2.4	17.1	80.4	0.140
527	6/01/93	09:38	09:38	NR	4.5	0.50	30	NA	NA	(0.1)	(1)	2.6	16.5	80.9	0.158
528	6/01/93	09:08	09:08	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	2	17.5	80.5	0.114
529	5/28/93	12:08	12:09	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	1.4	18.4	80.2	0.076
530	5/28/93	11:25	11:26	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	2.6	17.8	79.6	0.146
531	5/28/93	11:11	11:12	NR	3.0	0.25	30	NA	NA	(0.1)	(1)	1.1	18.2	80.7	0.060
532	5/28/93	09:42	09:42	NR	3.0	0.25	30	NA	NA	(0.1)	(1)	1.1	17.8	81.1	0.062
533	5/26/93	15:12	15:13	NR	2.5	0.50	30	NA	NA	(0.1)	(1)	2.0	16.4	81.6	0.122
534	5/26/93	14:52	14:52	NR	4.0	0.50	30	NA	NA	(0.1)	(1)	4.9	15.0	80.2	0.327
535	8/19/92	NR	09:06	29.40	4.0	0.50	10	NA	NA	(0.1)	(0.01)	3.2	17.0	79.9	0.188
536	8/18/92	NR	12:42	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)	0.9	17.5	81.6	0.051
537	8/19/92	NR	08:54	29.40	5.0	0.50	10	NA	NA	(0.1)	(0.01)	1.9	18.3	79.8	0.104
538	8/19/92	NR	09:41	29.40	2.5	0.50	10	NA	NA	(0.1)	(0.01)	0.8	18.8	80.3	0.043
539	8/19/92	NR	10:40	29.40	5.0	0.50	10	NA	NA	(0.1)	(0.01)	1.7	17.6	80.8	0.097
542	8/18/92	NR	13:02	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	3.0	15.7	81.3	0.191
542(X)	8/18/92	NR	13:11	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	3.0	17.2	79.8	0.174
543	8/19/92	NR	09:58	29.40	2.5	0.50	10	NA	NA	(0.1)	(0.01)	1.7	17.2	81.2	0.099
544	8/18/92	NR	10:32	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	2.3	16.4	81.4	0.140
545	8/18/92	NR	14:49	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	3.8	15.1	81.1	0.252
546	8/18/92	NR	14:36	29.40	4.0	0.50	30	NA	NA	(0.1)	(0.01)	5.4	12.4	82.2	0.435
547	8/18/92	NR	13:23	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	6.0	12.2	81.9	0.492
548	8/18/92	NR	10:46	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)	5.8	10.9	83.2	0.532
549	8/19/92	NR	10:57	29.40	4.0	0.50	10	NA	NA	(0.1)	(0.01)	4.0	14.2	81.9	0.282
550	8/18/92	NR	14:16	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	8.9	11.2	79.9	0.795
551	8/18/92	NR	11:10	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	8.1	11.6	80.3	0.698

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
552	8/18/92	NR	13:39	29.40	3.0	0.50	30	(0.0007)	NA	(0.7)**	NA	0.06	(0.0004)	(0.4)
557	5/26/93	10:37	10:37	NR	3.5	0.50	30	0.012	NA	(10)	NA	0.07	(0.01)	(10)
558	5/26/93	10:54	10:56	NR	2.5	0.25	30	0.018	NA	(10)	NA	0.18	(0.01)	(10)
560	5/26/93	11:11	11:11	NR	5.0	0.50	30	0.015	NA	(1)	NA	0.055	(0.001)	(1)
564	5/18/93	11:24	11:24	29.40	3.0	0.25	30	0.009	NA	(1)	NA	0.007	(0.001)	(1)
565	5/25/93	11:27	11:27	NR	5.0	0.50	15	0.018	NA	(1)	NA	0.014	(0.001)	(1)
566	5/18/93	11:48	11:48	29.40	3.0	0.25	30	0.024	NA	(1)	NA	0.024	(0.001)	(1)
568*	5/20/93	09:14	09:14	29.35	3.0	0.25	30	0.003	NA	(1)	NA	0.006	(0.001)	(1)
569	5/18/93	12:44	12:44	29.40	2.5	0.25	30	0.027	NA	(1)	NA	0.041	(0.001)	(1)
569(X)	5/18/93	12:48	12:55	29.40	2.5	-	-	0.023	NA	(1)	NA	0.042	(0.001)	(1)
570	5/19/93	08:43	08:44	29.40	4.5	0.50	60	0.024	NA	(1)	NA	0.028	(0.001)	(1)
571	5/20/93	09:46	09:46	29.35	3.0	0.25	30	0.003	NA	(1)	NA	0.01	(0.001)	(1)
572	5/20/93	11:18	11:20	29.40	3.0	0.25	30	0.014	NA	(1)	NA	0.03	(0.001)	(1)
573	5/18/93	12:24	12:24	29.40	3.0	0.25	30	0.025	NA	(1)	NA	0.054	(0.001)	(1)
574	5/20/93	11:40	11:41	29.40	3.0	0.25	30	0.023	NA	(1)	NA	0.056	(0.001)	(1)
576	5/18/93	14:09	14:09	29.40	3.0	0.25	5	0.026	NA	(1)	NA	0.041	(0.001)	(1)
577	5/20/93	13:24	13:25	29.35	4.5	0.50	30	0.013	NA	(1)	NA	0.037	(0.001)	(1)
578	5/20/93	13:46	13:47	29.35	4.5	0.50	30	0.03	NA	(1)	NA	0.088	(0.001)	(1)
579	5/19/93	09:29	09:29	29.40	3.0	0.25	30	0.026	NA	(1)	NA	0.068	(0.001)	(1)
580	5/20/93	14:11	14:11	29.30	4.0	0.50	15	0.017	NA	(1)	NA	0.19	(0.001)	(1)
581	5/18/93	14:54	14:54	29.40	2.5	0.25	30	0.021	NA	(1)	NA	0.063	(0.001)	(1)
582	5/18/93	14:32	14:33	29.40	2.5	0.25	30	0.022	NA	(1)	NA	0.045	(0.001)	(1)
583	5/25/93	11:41	11:41	NR	5.0	0.50	15	(0.01)	NA	(10)	NA	0.480	(0.01)	(10)
584	5/20/93	14:42	14:42	29.30	3.0	0.25	30	0.013	NA	(1)	NA	0.16	(0.001)	(1)
584(X)	5/20/93	14:45	14:51	29.30	3.0	-	-	0.013	NA	(1)	NA	0.16	(0.001)	(1)
585	5/19/93	15:00	15:00	29.35	4.0	0.50	60	0.014	NA	(1)	NA	0.038	(0.001)	(1)
586	5/21/93	09:00	09:00	29.35	5.0	0.50	30	0.019	NA	(1)	NA	3.1	(0.01)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
552	8/18/92	NR	13:39	29.40	3.0	0.50	30	(0.005)	NA	0.5	NA	(0.03)**	(0.08)	(0.8)
557	5/26/93	10:37	10:37	NR	3.5	0.50	30	(0.1)	NA	0.68	NA	(1)	(1)	(10)
558	5/26/93	10:54	10:56	NR	2.5	0.25	30	(0.1)	NA	0.47	NA	(1)	(1)	(10)
560	5/26/93	11:11	11:11	NR	5.0	0.50	30	(0.01)	NA	0.032	NA	(1)	(1)	(1)
564	5/18/93	11:24	11:24	29.40	3.0	0.25	30	(0.01)	NA	0.02	NA	(1)	(1)	(1)
565	5/25/93	11:27	11:27	NR	5.0	0.50	15	(0.01)	NA	0.062	NA	(1)	(1)	(1)
566	5/18/93	11:48	11:48	29.40	3.0	0.25	30	(0.01)	NA	0.07	NA	(1)	(1)	(1)
568*	5/20/93	09:14	09:14	29.35	3.0	0.25	30	(0.01)	NA	0.008	NA	(1)	(1)	(1)
569	5/18/93	12:44	12:44	29.40	2.5	0.25	30	(0.01)	NA	0.13	NA	(1)	(1)	(1)
569(X)	5/18/93	12:48	12:55	29.40	2.5	-	-	(0.01)	NA	0.1	NA	(1)	(1)	(1)
570	5/19/93	08:43	08:44	29.40	4.5	0.50	60	(0.01)	NA	0.17	NA	(1)	(1)	(1)
571	5/20/93	09:46	09:46	29.35	3.0	0.25	30	(0.01)	NA	0.015	NA	(1)	(1)	(1)
572	5/20/93	11:18	11:20	29.40	3.0	0.25	30	(0.01)	NA	0.1	NA	(1)	(1)	(1)
573	5/18/93	12:24	12:24	29.40	3.0	0.25	30	(0.01)	NA	0.16	NA	(1)	(1)	(1)
574	5/20/93	11:40	11:41	29.40	3.0	0.25	30	(0.01)	NA	0.25	NA	(1)	(1)	(1)
576	5/18/93	14:09	14:09	29.40	3.0	0.25	5	(0.01)	NA	0.16	NA	(1)	(1)	(1)
577	5/20/93	13:24	13:25	29.35	4.5	0.50	30	(0.01)	NA	0.065	NA	(1)	(1)	(1)
578	5/20/93	13:46	13:47	29.35	4.5	0.50	30	(0.01)	NA	0.2	NA	(1)	(1)	(1)
579	5/19/93	09:29	09:29	29.40	3.0	0.25	30	(0.01)	NA	0.33	NA	(1)	(1)	(1)
580	5/20/93	14:11	14:11	29.30	4.0	0.50	15	(0.01)	NA	0.088	NA	(1)	(1)	(1)
581	5/18/93	14:54	14:54	29.40	2.5	0.25	30	(0.01)	NA	0.11	NA	(1)	(1)	(1)
582	5/18/93	14:32	14:33	29.40	2.5	0.25	30	(0.01)	NA	0.21	NA	(1)	(1)	(1)
583	5/25/93	11:41	11:41	NR	5.0	0.50	15	(0.1)	NA	0.024	NA	(1)	(1)	(10)
584	5/20/93	14:42	14:42	29.30	3.0	0.25	30	(0.01)	NA	0.038	NA	(1)	(1)	(1)
584(X)	5/20/93	14:45	14:51	29.30	3.0	-	-	(0.01)	NA	0.032	NA	(1)	(1)	(1)
585	5/19/93	15:00	15:00	29.35	4.0	0.50	60	(0.01)	NA	0.047	NA	(1)	(1)	(1)
586	5/21/93	09:00	09:00	29.35	5.0	0.50	30	(0.01)	NA	0.048	NA	(1)	(1)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
552	8/18/92	NR	13:39	29.40	3.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
557	5/26/93	10:37	10:37	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.3
558	5/26/93	10:54	10:56	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	0.5
560	5/26/93	11:11	11:11	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.3
564	5/18/93	11:24	11:24	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
565	5/25/93	11:27	11:27	NR	5.0	0.50	15	(1)	(1)	(1)	(1)	NA	NA	0.3
566	5/18/93	11:48	11:48	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.3
568*	5/20/93	09:14	09:14	29.35	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
569	5/18/93	12:44	12:44	29.40	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.3
569(X)	5/18/93	12:48	12:55	29.40	2.5	-	-	(1)	(1)	(1)	(1)	NA	NA	0.3
570	5/19/93	08:43	08:44	29.40	4.5	0.50	60	(1)	(1)	(1)	(1)	NA	NA	0.4
571	5/20/93	09:46	09:46	29.35	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
572	5/20/93	11:18	11:20	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.2
573	5/18/93	12:24	12:24	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.4
574	5/20/93	11:40	11:41	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.3
576	5/18/93	14:09	14:09	29.40	3.0	0.25	5	(1)	(1)	(1)	(1)	NA	NA	0.3
577	5/20/93	13:24	13:25	29.35	4.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.1
578	5/20/93	13:46	13:47	29.35	4.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.3
579	5/19/93	09:29	09:29	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.4
580	5/20/93	14:11	14:11	29.30	4.0	0.50	15	(1)	(1)	(1)	(1)	NA	NA	0.2
581	5/18/93	14:54	14:54	29.40	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.2
582	5/18/93	14:32	14:33	29.40	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.2
583	5/25/93	11:41	11:41	NR	5.0	0.50	15	(10)	(10)	(10)	(10)	NA	NA	(0.1)
584	5/20/93	14:42	14:42	29.30	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
584(X)	5/20/93	14:45	14:51	29.30	3.0	-	-	(1)	(1)	(1)	(1)	NA	NA	(0.1)
585	5/19/93	15:00	15:00	29.35	4.0	0.50	60	(1)	(1)	(1)	(1)	NA	NA	0.14
586	5/21/93	09:00	09:00	29.35	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.1

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
552	8/18/92	NR	13:39	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)	2.4	16.2	81.4	0.148
557	5/26/93	10:37	10:37	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	2.3	16.8	80.9	0.137
558	5/26/93	10:54	10:56	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	2.3	16.5	81.2	0.139
560	5/26/93	11:11	11:11	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	2.9	13.3	83.8	0.218
564	5/18/93	11:24	11:24	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	1.1	18.2	80.7	0.060
565	5/25/93	11:27	11:27	NR	5.0	0.50	15	NA	NA	(0.1)	(1)	2.8	15.1	82.0	0.185
566	5/18/93	11:48	11:48	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	4.0	12.6	82.6	0.317
568*	5/20/93	09:14	09:14	29.35	3.0	0.25	30	NA	NA	(0.1)	(1)	(0.1)	20.3	79.6	
569	5/18/93	12:44	12:44	29.40	2.5	0.25	30	NA	NA	(0.1)	(1)	4.1	13.3	82.5	0.308
569(X)	5/18/93	12:48	12:55	29.40	2.5	-	-	NA	NA	(0.1)	(1)	3.4	14.4	82.1	0.236
570	5/19/93	08:43	08:44	29.40	4.5	0.50	60	NA	NA	(0.1)	(1)	4.3	11.6	84.2	0.371
571	5/20/93	09:46	09:46	29.35	3.0	0.25	30	NA	NA	(0.1)	(1)	0.4	19.4	80.2	0.021
572	5/20/93	11:18	11:20	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	2.0	15.3	82.7	0.131
573	5/18/93	12:24	12:24	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	4.0	12.6	83.4	0.317
574	5/20/93	11:40	11:41	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	4.5	13.1	82.4	0.344
576	5/18/93	14:09	14:09	29.40	3.0	0.25	5	NA	NA	(0.1)	(1)	5.3	9.7	85.0	0.546
577	5/20/93	13:24	13:25	29.35	4.5	0.50	30	NA	NA	(0.1)	(1)	3.4	14.5	82.1	0.234
578	5/20/93	13:46	13:47	29.35	4.5	0.50	30	NA	NA	(0.1)	(1)	8.1	9.5	82.4	0.853
579	5/19/93	09:29	09:29	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	4.5	12.3	83.2	0.366
580	5/20/93	14:11	14:11	29.30	4.0	0.50	15	NA	NA	(0.1)	(1)	5.4	12.6	82	0.429
581	5/18/93	14:54	14:54	29.40	2.5	0.25	30	NA	NA	(0.1)	(1)	4.0	13.6	82.4	0.294
582	5/18/93	14:32	14:33	29.40	2.5	0.25	30	NA	NA	(0.1)	(1)	4.3	13.2	82.5	0.326
583	5/25/93	11:41	11:41	NR	5.0	0.50	15	NA	NA	(0.1)	(10)	1.6	18.7	79.7	0.086
584	5/20/93	14:42	14:42	29.30	3.0	0.25	30	NA	NA	(0.1)	(1)	4.7	14.2	81.2	0.331
584(X)	5/20/93	14:45	14:51	29.30	3.0	-	-	NA	NA	(0.1)	(1)	6.4	14.0	79.6	0.457
585	5/19/93	15:00	15:00	29.35	4.0	0.50	60	NA	NA	(0.1)	(1)	4.0	13.8	82.2	0.290
586	5/21/93	09:00	09:00	29.35	5.0	0.50	30	NA	NA	(0.1)	(1)	6.0	10.7	82.8	0.561

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
587	6/01/93	13:11	13:11	NR	5.0	0.50	30	0.02	NA	(10)	NA	0.35	(0.01)	(10)
588	5/18/93	15:17	15:18	29.35	2.5	0.25	30	0.015	NA	(1)	NA	0.031	(0.001)	(1)
589	5/21/93	12:22	12:22	29.40	3.0	0.25	30	0.024	NA	(1)	NA	0.088	(0.001)	(1)
590	5/21/93	09:25	09:25	29.35	5.0	0.50	30	0.023	NA	(10)	NA	8.2	(0.01)	(10)
591	5/21/93	09:48	09:48	29.35	5.0	0.50	30	0.031	NA	(10)	NA	150	(1)	(10)
592	6/01/93	11:44	11:44	NR	5.0	0.50	30	0.04	NA	(10)	NA	4.1	(0.1)	(10)
592(X)	6/01/93	11:50	12:11	NR	5.0	-	-	0.039	NA	(10)	NA	3.1	NA	(10)
593	6/01/93	13:43	13:43	NR	3.5	0.50	30	0.046	NA	(10)	NA	1.7	(0.01)	(10)
594	5/21/93	12:00	12:01	29.40	3.0	0.25	30	0.027	NA	(1)	NA	0.32	(0.001)	(1)
595	5/21/93	11:33	11:34	29.40	5.0	0.50	30	0.022	NA	(1)	NA	0.21	(0.001)	(1)
596	5/21/93	10:16	10:17	29.40	5.0	0.50	30	0.42	NA	(100)	NA	15	(0.1)	(100)
597	6/01/93	11:24	11:24	NR	2.5	0.25	30	0.068	NA	(1)	NA	1.5	(0.01)	(1)
598	6/01/93	14:06	14:06	NR	3.5	0.50	30	0.044	NA	(10)	NA	1.3	(0.01)	(10)
599	5/21/93	12:46	12:46	29.40	3.5	0.5	30	0.07	NA	(1)	NA	0.42	(0.01)	(1)
601	5/25/93	09:40	09:41	NR	4.0	0.50	30	0.064	NA	(10)	NA	0.62	(0.01)	(10)
602	5/25/93	10:58	10:58	NR	4.0	0.50	15	0.006	NA	(1)	NA	0.011	(0.001)	(1)
603	6/02/93	10:56	10:56	NR	2.5	0.25	30	0.015	NA	(1)	NA	0.015	(0.001)	(1)
603(X)	6/02/93	11:00	11:05	NR	2.5	-	-	0.033	NA	(1)	NA	0.014	(0.001)	(1)
604	5/25/93	09:58	10:05	NR	5.0	0.50	30	0.051	NA	(1)	NA	0.046	(0.001)	(1)
605	5/25/93	10:27	10:27	NR	5.0	0.50	30	0.009	NA	(1)	NA	0.008	(0.001)	(1)
606	6/01/93	14:26	14:26	NR	4.0	0.50	30	0.075	NA	(10)	NA	0.7	(0.01)	(10)
607	6/02/93	11:47	11:47	NR	3.0	0.25	30	0.14	NA	(1)	NA	0.27	(0.001)	(1)
608	6/02/93	11:23	11:23	NR	2.5	0.25	30	0.11	NA	(1)	NA	1.2	(0.01)	(1)
609	6/02/93	08:30	08:30	NR	5.0	0.50	30	0.007	NA	(1)	NA	0.26	(0.001)	(1)
610	6/02/93	08:49	08:49	NR	5.0	0.50	30	0.01	NA	(1)	NA	0.19	(0.001)	(1)
611	6/02/93	09:15	09:15	NR	5.0	0.50	30	0.012	NA	(1)	NA	0.39	(0.001)	(1)
612	6/02/93	09:40	09:41	NR	2.5	0.25	30	0.008	NA	(1)	NA	0.12	(0.001)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
587	6/01/93	13:11	13:11	NR	5.0	0.50	30	(0.1)	NA	0.076	NA	(1)	(1)	(10)
588	5/18/93	15:17	15:18	29.35	2.5	0.25	30	(0.01)	NA	0.018	NA	(1)	(1)	(1)
589	5/21/93	12:22	12:22	29.40	3.0	0.25	30	(0.01)	NA	0.06	NA	(1)	(1)	(1)
590	5/21/93	09:25	09:25	29.35	5.0	0.50	30	(0.1)	NA	0.045	NA	(1)	(1)	(10)
591	5/21/93	09:48	09:48	29.35	5.0	0.50	30	(0.1)	NA	0.12	NA	(1)	(1)	(10)
592	6/01/93	11:44	11:44	NR	5.0	0.50	30	(0.1)	NA	0.25	NA	(1)	(1)	(10)
592(X)	6/01/93	11:50	12:11	NR	5.0	-	-	(0.1)	NA	0.29	NA	(1)	(1)	(10)
593	6/01/93	13:43	13:43	NR	3.5	0.50	30	(0.1)	NA	0.2	NA	(1)	(1)	(10)
594	5/21/93	12:00	12:01	29.40	3.0	0.25	30	(0.01)	NA	0.031	NA	(1)	(1)	(1)
595	5/21/93	11:33	11:34	29.40	5.0	0.50	30	(0.01)	NA	0.068	NA	(1)	(1)	(1)
596	5/21/93	10:16	10:17	29.40	5.0	0.50	30	(1)	NA	(0.1)	NA	(1)	(1)	(100)
597	6/01/93	11:24	11:24	NR	2.5	0.25	30	(0.01)	NA	0.11	NA	(1)	(1)	(1)
598	6/01/93	14:06	14:06	NR	3.5	0.50	30	(0.1)	NA	0.085	NA	(1)	(1)	(10)
599	5/21/93	12:46	12:46	29.40	3.5	0.5	30	(0.01)	NA	0.11	NA	(1)	(1)	(1)
601	5/25/93	09:40	09:41	NR	4.0	0.50	30	(0.1)	NA	0.076	NA	(1)	(1)	(10)
602	5/25/93	10:58	10:58	NR	4.0	0.50	15	(0.01)	NA	0.004	NA	(1)	(1)	(1)
603	6/02/93	10:56	10:56	NR	2.5	0.25	30	0.02	NA	0.013	NA	(1)	(1)	(1)
603(X)	6/02/93	11:00	11:05	NR	2.5	-	-	0.03	NA	0.012	NA	(1)	(1)	(1)
604	5/25/93	09:58	10:05	NR	5.0	0.50	30	(0.01)	NA	0.018	NA	(1)	(1)	(1)
605	5/25/93	10:27	10:27	NR	5.0	0.50	30	(0.01)	NA	0.005	NA	(1)	(1)	(1)
606	6/01/93	14:26	14:26	NR	4.0	0.50	30	(0.1)	NA	0.084	NA	(1)	(1)	(10)
607	6/02/93	11:47	11:47	NR	3.0	0.25	30	0.04	NA	0.12	NA	(1)	(1)	(1)
608	6/02/93	11:23	11:23	NR	2.5	0.25	30	0.02	NA	0.1	NA	(1)	(1)	(1)
609	6/02/93	08:30	08:30	NR	5.0	0.50	30	(0.01)	NA	0.012	NA	(1)	(1)	(1)
610	6/02/93	08:49	08:49	NR	5.0	0.50	30	(0.01)	NA	0.016	NA	(1)	(1)	(1)
611	6/02/93	09:15	09:15	NR	5.0	0.50	30	(0.01)	NA	0.02	NA	(1)	(1)	(1)
612	6/02/93	09:40	09:41	NR	2.5	0.25	30	(0.01)	NA	0.038	NA	(1)	(1)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
587	6/01/93	13:11	13:11	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.2
588	5/18/93	15:17	15:18	29.35	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
589	5/21/93	12:22	12:22	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.1
590	5/21/93	09:25	09:25	29.35	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.2
591	5/21/93	09:48	09:48	29.35	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	1.1
592	6/01/93	11:44	11:44	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.3
592(X)	6/01/93	11:50	12:11	NR	5.0	-	-	(10)	(1)	(1)	(1)	NA	NA	0.3
593	6/01/93	13:43	13:43	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.2
594	5/21/93	12:00	12:01	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.1
595	5/21/93	11:33	11:34	29.40	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
596	5/21/93	10:16	10:17	29.40	5.0	0.50	30	(100)	(1)	(1)	(1)	NA	NA	0.4
597	6/01/93	11:24	11:24	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.2
598	6/01/93	14:06	14:06	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.2
599	5/21/93	12:46	12:46	29.40	3.5	0.5	30	(1)	(1)	(1)	(1)	NA	NA	0.2
601	5/25/93	09:40	09:41	NR	4.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.4
602	5/25/93	10:58	10:58	NR	4.0	0.50	15	(1)	(1)	(1)	(1)	NA	NA	(0.1)
603	6/02/93	10:56	10:56	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
603(X)	6/02/93	11:00	11:05	NR	2.5	-	-	(1)	(1)	(1)	(1)	NA	NA	(0.1)
604	5/25/93	09:58	10:05	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.2
605	5/25/93	10:27	10:27	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
606	6/01/93	14:26	14:26	NR	4.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	0.2
607	6/02/93	11:47	11:47	NR	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.2
608	6/02/93	11:23	11:23	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	2
609	6/02/93	08:30	08:30	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
610	6/02/93	08:49	08:49	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
611	6/02/93	09:15	09:15	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
612	6/02/93	09:40	09:41	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
587	6/01/93	13:11	13:11	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	6.0	13.9	80.2	0.432
588	5/18/93	15:17	15:18	29.35	2.5	0.25	30	NA	NA	(0.1)	(1)	5.2	13.6	81.3	0.382
589	5/21/93	12:22	12:22	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	5.6	11.1	83.3	0.505
590	5/21/93	09:25	09:25	29.35	5.0	0.50	30	NA	NA	(0.1)	(1)	11.1	9.0	79.9	1.233
591	5/21/93	09:48	09:48	29.35	5.0	0.50	30	NA	NA	(0.1)	(1)	7.4	10.0	82.6	0.740
592	6/01/93	11:44	11:44	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	6.7	11.7	81.6	0.573
592(X)	6/01/93	11:50	12:11	NR	5.0	-	-	NA	NA	(0.1)	(1)	6.2	11.9	81.8	0.521
593	6/01/93	13:43	13:43	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	7.3	10.1	82.6	0.723
594	5/21/93	12:00	12:01	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	7.1	11.0	81.8	0.645
595	5/21/93	11:33	11:34	29.40	5.0	0.50	30	NA	NA	(0.1)	(1)	7.3	11.6	81.2	0.629
596	5/21/93	10:16	10:17	29.40	5.0	0.50	30	NA	NA	(0.1)	(1)	8.7	7.4	83.8	1.176
597	6/01/93	11:24	11:24	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	6.4	10.6	83.1	0.604
598	6/01/93	14:06	14:06	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	6.3	11.4	82.3	0.553
599	5/21/93	12:46	12:46	29.40	3.5	0.5	30	NA	NA	(0.1)	(1)	11.4	7.6	80.9	1.500
601	5/25/93	09:40	09:41	NR	4.0	0.50	30	NA	NA	(0.1)	(1)	6.6	8.6	84.8	0.767
602	5/25/93	10:58	10:58	NR	4.0	0.50	15	NA	NA	(0.1)	(1)	1.4	19.5	79.2	0.072
603	6/02/93	10:56	10:56	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	0.9	19.2	79.9	0.047
603(X)	6/02/93	11:00	11:05	NR	2.5	-	-	NA	NA	(0.1)	(1)	2.2	17.8	80.2	0.124
604	5/25/93	09:58	10:05	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	7.6	8.8	83.6	0.864
605	5/25/93	10:27	10:27	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	5.1	10.4	84.5	0.490
606	6/01/93	14:26	14:26	NR	4.0	0.50	30	NA	NA	(0.1)	(1)	6.2	10.9	83.0	0.569
607	6/02/93	11:47	11:47	NR	3.0	0.25	30	NA	NA	(0.1)	(1)	8.8	9.8	81.4	0.898
608	6/02/93	11:23	11:23	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	5.2	13.1	81.7	0.397
609	6/02/93	08:30	08:30	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	5.6	15.4	79.0	0.364
610	6/02/93	08:49	08:49	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	5.1	14.8	80	0.345
611	6/02/93	09:15	09:15	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	4.6	15.6	79.8	0.295
612	6/02/93	09:40	09:41	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	3.7	16.7	79.6	0.222

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
613	6/02/93	10:30	10:31	NR	2.5	0.25	30	0.011	NA	(1)	NA	0.006	(0.001)	(1)
614	5/27/93	11:49	11:49	NR	2.5	0.25	30	0.026	NA	(1)	NA	0.096	(0.001)	(1)
615	5/27/93	11:34	11:35	NR	2.5	0.25	30	0.021	NA	(1)	NA	0.051	(0.001)	(1)
616	5/27/93	13:18	13:18	NR	2.5	0.25	30	0.034	NA	(1)	NA	0.12	(0.001)	(1)
617	5/27/93	11:16	11:16	NR	2.5	0.25	30	0.0096	NA	(1)	NA	0.034	(0.001)	(1)
618	5/27/93	13:35	13:35	NR	2.5	0.25	30	0.028	NA	(1)	NA	0.07	(0.001)	(1)
619	5/27/93	13:57	13:57	NR	3.5	0.50	30	0.028	NA	(1)	NA	0.061	(0.001)	(1)
620	5/27/93	14:24	14:24	NR	4.5	0.50	30	0.033	NA	(1)	NA	0.054	(0.001)	(1)
620(X)	5/27/93	14:27	14:34	NR	4.5	0.50	30	0.032	NA	(1)	NA	0.048	(0.001)	(1)
621	5/27/93	10:45	10:45	NR	5.0	0.50	30	0.098	NA	(1)	NA	0.039	(0.001)	(1)
621(X)	5/27/93	10:48	10:54	NR	5.0	0.50	30	0.11	NA	(1)	NA	0.044	(0.001)	(1)
622	5/27/93	09:45	09:45	NR	4.0	0.50	30	0.058	NA	(1)	NA	0.28	(0.001)	(1)
623	5/27/93	09:16	09:16	NR	2.5	0.25	30	0.083	NA	(1)	NA	0.012	(0.001)	(1)
624	5/27/93	08:50	08:51	NR	2.5	0.25	30	0.18	NA	(1)	NA	0.016	(0.001)	(1)
625	5/27/93	08:29	08:29	NR	3.5	0.50	30	0.15	NA	(1)	NA	0.016	(0.001)	(1)
626	6/02/93	12:55	12:55	NR	5.0	0.50	30	0.015	NA	(1)	NA	0.019	0.012	(1)
627	6/02/93	13:09	13:09	NR	5.0	0.50	30	0.011	NA	(1)	NA	0.015	0.26	(1)
628	5/25/93	13:45	13:46	NR	3.0	0.25	30	0.011	NA	(1)	NA	0.006	(0.001)	(1)
629	5/25/93	13:20	13:20	NR	5.0	0.50	30	0.004	NA	(1)	NA	0.005	(0.001)	(1)
629(X)	5/25/93	13:23	13:31	NR	5.0	0.50	30	0.004	NA	(1)	NA	0.007	(0.001)	(1)
630	5/25/93	13:03	13:04	NR	2.5	0.25	30	0.003	NA	(1)	NA	0.009	(0.001)	(1)
631	5/24/93	14:42	14:42	NR	4.5	0.50	30	0.015	NA	(1)	NA	0.01	(0.001)	(1)
632	5/24/93	15:19	15:19	NR	5.0	0.50	30	0.018	NA	(1)	NA	0.011	(0.001)	(1)
632(X)	5/24/93	15:23	15:29	NR	5.0	0.50	30	0.017	NA	(1)	NA	0.011	(0.001)	(1)
633	5/25/93	14:22	14:22	NR	2.5	0.25	30	0.008	NA	(1)	NA	0.007	(0.001)	(1)
634	5/25/93	08:56	08:56	NR	5.0	0.50	30	0.01	NA	(1)	NA	0.034	(0.001)	(1)
635	8/21/92	NR	09:05	29.35	3.0	0.50	30	0.008	NA	(0.4)	NA	0.03	(0.0002)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
613	6/02/93	10:30	10:31	NR	2.5	0.25	30	(0.01)	NA	0.054	NA	(1)	(1)	(1)
614	5/27/93	11:49	11:49	NR	2.5	0.25	30	(0.01)	NA	0.032	NA	(1)	(1)	(1)
615	5/27/93	11:34	11:35	NR	2.5	0.25	30	(0.01)	NA	0.006	NA	(1)	(1)	(1)
616	5/27/93	13:18	13:18	NR	2.5	0.25	30	(0.01)	NA	0.036	NA	(1)	(1)	(1)
617	5/27/93	11:16	11:16	NR	2.5	0.25	30	(0.01)	NA	0.0064	NA	(1)	(1)	(1)
618	5/27/93	13:35	13:35	NR	2.5	0.25	30	(0.01)	NA	0.015	NA	(1)	(1)	(1)
619	5/27/93	13:57	13:57	NR	3.5	0.50	30	(0.01)	NA	0.018	NA	(1)	(1)	(1)
620	5/27/93	14:24	14:24	NR	4.5	0.50	30	(0.01)	NA	0.012	NA	(1)	(1)	(1)
620(X)	5/27/93	14:27	14:34	NR	4.5	0.50	30	(0.01)	NA	0.009	NA	(1)	(1)	(1)
621	5/27/93	10:45	10:45	NR	5.0	0.50	30	(0.01)	NA	0.018	NA	(1)	(1)	(1)
621(X)	5/27/93	10:48	10:54	NR	5.0	0.50	30	(0.01)	NA	0.02	NA	(1)	(1)	(1)
622	5/27/93	09:45	09:45	NR	4.0	0.50	30	(0.01)	NA	0.017	NA	(1)	(1)	(1)
623	5/27/93	09:16	09:16	NR	2.5	0.25	30	(0.01)	NA	0.012	NA	(1)	(1)	(1)
624	5/27/93	08:50	08:51	NR	2.5	0.25	30	(0.01)	NA	0.017	NA	(1)	(1)	(1)
625	5/27/93	08:29	08:29	NR	3.5	0.50	30	(0.01)	NA	0.023	NA	(1)	(1)	(1)
626	6/02/93	12:55	12:55	NR	5.0	0.50	30	(0.01)	NA	0.061	NA	(1)	(1)	(1)
627	6/02/93	13:09	13:09	NR	5.0	0.50	30	(0.01)	NA	0.049	NA	(1)	(1)	(1)
628	5/25/93	13:45	13:46	NR	3.0	0.25	30	(0.01)	NA	0.015	NA	(1)	(1)	(1)
629	5/25/93	13:20	13:20	NR	5.0	0.50	30	(0.01)	NA	0.004	NA	(1)	(1)	(1)
629(X)	5/25/93	13:23	13:31	NR	5.0	0.50	30	(0.01)	NA	0.004	NA	(1)	(1)	(1)
630	5/25/93	13:03	13:04	NR	2.5	0.25	30	(0.01)	NA	0.004	NA	(1)	(1)	(1)
631	5/24/93	14:42	14:42	NR	4.5	0.50	30	(0.01)	NA	0.029	NA	(1)	(1)	(1)
632	5/24/93	15:19	15:19	NR	5.0	0.50	30	(0.01)	NA	0.044	NA	(1)	(1)	(1)
632(X)	5/24/93	15:23	15:29	NR	5.0	0.50	30	(0.01)	NA	0.05	NA	(1)	(1)	(1)
633	5/25/93	14:22	14:22	NR	2.5	0.25	30	(0.01)	NA	0.013	NA	(1)	(1)	(1)
634	5/25/93	08:56	08:56	NR	5.0	0.50	30	(0.01)	NA	0.023	NA	(1)	(1)	(1)
635	8/21/92	NR	09:05	29.35	3.0	0.50	30	(0.002)	NA	0.007	NA	(0.03)	(0.04)	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
613	6/02/93	10:30	10:31	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
614	5/27/93	11:49	11:49	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.45
615	5/27/93	11:34	11:35	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.24
616	5/27/93	13:18	13:18	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.68
617	5/27/93	11:16	11:16	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
618	5/27/93	13:35	13:35	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.38
619	5/27/93	13:57	13:57	NR	3.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.71
620	5/27/93	14:24	14:24	NR	4.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	1.2
620(X)	5/27/93	14:27	14:34	NR	4.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	1.1
621	5/27/93	10:45	10:45	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	3.5
621(X)	5/27/93	10:48	10:54	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	4.4
622	5/27/93	09:45	09:45	NR	4.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	4
623	5/27/93	09:16	09:16	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	4.7
624	5/27/93	08:50	08:51	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	6.6
625	5/27/93	08:29	08:29	NR	3.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	8.5
626	6/02/93	12:55	12:55	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.2
627	6/02/93	13:09	13:09	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
628	5/25/93	13:45	13:46	NR	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
629	5/25/93	13:20	13:20	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
629(X)	5/25/93	13:23	13:31	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
630	5/25/93	13:03	13:04	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
631	5/24/93	14:42	14:42	NR	4.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.1
632	5/24/93	15:19	15:19	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.2
632(X)	5/24/93	15:23	15:29	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.2
633	5/25/93	14:22	14:22	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
634	5/25/93	08:56	08:56	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	(0.1)
635	8/21/92	NR	09:05	29.35	3.0	0.50	30	(0.4)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.06

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
613	6/02/93	10:30	10:31	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.8	18.3	79.9	0.098
614	5/27/93	11:49	11:49	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	3.0	14.6	82.4	0.205
615	5/27/93	11:34	11:35	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.3	17.3	81.4	0.075
616	5/27/93	13:18	13:18	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.0	17.3	81.7	0.058
617	5/27/93	11:16	11:16	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	2.0	16.3	81.7	0.123
618	5/27/93	13:35	13:35	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	4.2	14.3	81.5	0.294
619	5/27/93	13:57	13:57	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	2.4	16.8	80.8	0.143
620	5/27/93	14:24	14:24	NR	4.5	0.50	30	NA	NA	(0.1)	(1)	2.4	15.6	82.0	0.154
620(X)	5/27/93	14:27	14:34	NR	4.5	0.50	30	NA	NA	(0.1)	(1)	1.8	16.3	81.8	0.110
621	5/27/93	10:45	10:45	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.7	17.8	80.4	0.096
621(X)	5/27/93	10:48	10:54	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.8	17.9	80.3	0.101
622	5/27/93	09:45	09:45	NR	4.0	0.50	30	NA	NA	(0.1)	(1)	1.2	18.2	80.6	0.066
623	5/27/93	09:16	09:16	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	2.9	15.4	81.7	0.188
624	5/27/93	08:50	08:51	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.8	16.9	81.4	0.107
625	5/27/93	08:29	08:29	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	1.5	16.6	81.9	0.090
626	6/02/93	12:55	12:55	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	5.4	11.2	83.4	0.482
627	6/02/93	13:09	13:09	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	4.2	11.1	84.6	0.378
628	5/25/93	13:45	13:46	NR	3.0	0.25	30	NA	NA	(0.1)	(1)	8.4	7.0	84.6	1.200
629	5/25/93	13:20	13:20	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.3	18.4	80.3	0.071
629(X)	5/25/93	13:23	13:31	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.4	18.1	80.4	0.077
630	5/25/93	13:03	13:04	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	0.6	19.1	80.4	0.031
631	5/24/93	14:42	14:42	NR	4.5	0.50	30	NA	NA	(0.1)	(1)	4.5	13.0	82.4	0.346
632	5/24/93	15:19	15:19	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	7.4	9.6	83	0.771
632(X)	5/24/93	15:23	15:29	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	6.2	11.0	82.8	0.564
633	5/25/93	14:22	14:22	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	1.6	16.6	81.9	0.096
634	5/25/93	08:56	08:56	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	3.6	14.5	82.0	0.248
635	8/21/92	NR	09:05	29.35	3.0	0.50	30	NA	NA	(0.1)	(0.01)	2.0	17.0	81.0	0.118

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
636	8/21/92	NR	08:44	29.30	2.0	0.50	15	0.02	NA	(0.4)	NA	0.06	(0.0002)	(0.2)
637	8/21/92	NR	09:41	29.35	5.0	0.50	30	0.01	NA	(0.4)	NA	0.02	(0.0002)	(0.2)
642	8/20/92	NR	08:17	29.35	3.0	0.50	15	0.02	NA	(0.7)	NA	0.04	(0.0004)	(0.4)
644	8/20/92	NR	08:29	29.35	5.0	0.50	15	0.04	NA	(0.4)	NA	0.06	0.003	(0.2)
646	8/20/92	NR	08:46	29.35	4.0	0.50	15	0.02	NA	(0.4)	NA	0.07	(0.0002)	(0.2)
647	8/06/92	NR	11:45	29.40	2.5	0.50	30	0.02	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
648	8/07/92	NR	10:10	29.45	2.5	0.50	30	0.09	NA	(0.2)	NA	0.09	(0.0001)	(0.1)
649	8/07/92	NR	14:10	29.40	2.5	0.50	30	0.1**	NA	(0.2)**	NA	0.06	(0.0001)	(0.1)
650	8/07/92	NR	12:42	29.45	2.0	0.50	30	0.1	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
651	8/20/92	NR	12:14	29.40	5.0	0.50	30	0.09	NA	(0.7)	NA	0.07	(0.0004)	(0.4)
652	8/07/92	NR	10:30	29.45	1.5	0.50	5.0	0.4	NA	(0.2)	NA	0.1	0.004	(0.1)
653	8/07/92	NR	12:26	29.45	3.5	0.50	30	0.2	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
654	8/20/92	NR	12:52	29.40	5.0	0.50	30	0.5**	NA	(0.7)	NA	0.2**	0.005**	(0.4)
655	8/20/92	NR	12:28	29.40	5.0	0.50	30	0.2	NA	(0.7)	NA	0.06	(0.0004)	(0.4)
655(X)	8/20/92	NR	12:38	29.40	5.0	0.50	30	0.2	NA	(0.7)	NA	0.05	(0.0004)	(0.4)
657	8/07/92	NR	13:57	29.40	4.5	0.50	30	0.2**	NA	(0.2)**	NA	0.04	(0.0001)	(0.1)
659	8/07/92	NR	13:38	29.40	3.5	0.50	30	0.07	NA	(0.2)	NA	0.08	(0.0001)	(0.1)
661	8/07/92	NR	12:05	29.45	4.5	0.50	30	0.3	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
661(X)	8/07/92	NR	12:14	29.45	4.5	0.50	30	0.2	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
663	8/07/92	NR	11:34	29.45	3.5	0.50	30	0.1	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
665	8/07/92	NR	10:58	29.45	2.0	0.50	30	0.05	NA	(0.2)	NA	0.1	(0.0001)	(0.1)
666	5/19/93	13:22	13:23	29.40	3.0	0.25	30	0.008	NA	(1)	NA	0.12	(0.001)	(1)
667	8/21/92	NR	08:29	29.30	5.0	0.50	30	0.01	NA	(0.4)	NA	0.02	(0.0002)	(0.2)
668	8/21/92	NR	08:12	29.30	2.5	0.50	15	0.009	NA	(0.4)	NA	0.04	(0.0002)	(0.2)
669	8/20/92	NR	13:16	29.35	2.5	0.50	15	0.02**	NA	(0.7)	NA	0.07**	(0.0004)**	(0.4)
670	8/20/92	NR	10:29	29.40	5.0	0.50	15	0.02	NA	(0.7)	NA	0.1	(0.0004)	(0.4)
671	8/20/92	NR	09:44	29.35	5.0	0.50	30	0.02	NA	(0.4)	NA	2	(0.0002)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
636	8/21/92	NR	08:44	29.30	2.0	0.50	15	(0.002)	NA	0.006	NA	(0.03)	(0.04)	(0.4)
637	8/21/92	NR	09:41	29.35	5.0	0.50	30	(0.002)	NA	0.01	NA	(0.03)	(0.04)	(0.4)
642	8/20/92	NR	08:17	29.35	3.0	0.50	15	(0.005)	NA	0.02	NA	(0.03)	(0.08)	(0.8)
644	8/20/92	NR	08:29	29.35	5.0	0.50	15	(0.002)	NA	0.01	NA	(0.03)	(0.04)	(0.4)
646	8/20/92	NR	08:46	29.35	4.0	0.50	15	(0.002)	NA	0.01	NA	(0.03)	(0.04)	(0.4)
647	8/06/92	NR	11:45	29.40	2.5	0.50	30	0.02	NA	0.04	NA	(0.03)**	(0.02)	(0.2)
648	8/07/92	NR	10:10	29.45	2.5	0.50	30	0.09	NA	0.03	NA	(0.03)	(0.02)	(0.2)
649	8/07/92	NR	14:10	29.40	2.5	0.50	30	0.1	NA	0.02	NA	(0.03)	(0.02)	(0.2)
650	8/07/92	NR	12:42	29.45	2.0	0.50	30	0.3	NA	0.08	NA	(0.03)	(0.02)	(0.2)
651	8/20/92	NR	12:14	29.40	5.0	0.50	30	0.4	NA	0.04	NA	(0.03)	(0.08)	(0.8)
652	8/07/92	NR	10:30	29.45	1.5	0.50	5.0	0.3	NA	0.04	NA	(0.03)	(0.02)	(0.2)
653	8/07/92	NR	12:26	29.45	3.5	0.50	30	0.4	NA	0.04	NA	(0.03)	(0.02)	(0.2)
654	8/20/92	NR	12:52	29.40	5.0	0.50	30	0.6	NA	0.08**	NA	(0.03)	(0.08)	(0.8)
655	8/20/92	NR	12:28	29.40	5.0	0.50	30	0.1	NA	0.02	NA	(0.03)	(0.08)	(0.8)
655(X)	8/20/92	NR	12:38	29.40	5.0	0.50	30	0.09	NA	0.02	NA	(0.03)	(0.08)	(0.8)
657	8/07/92	NR	13:57	29.40	4.5	0.50	30	0.02	NA	0.02	NA	(0.03)	(0.02)	(0.2)
659	8/07/92	NR	13:38	29.40	3.5	0.50	30	0.06	NA	0.01	NA	(0.03)	(0.02)	(0.2)
661	8/07/92	NR	12:05	29.45	4.5	0.50	30	0.3	NA	0.05	NA	(0.03)	(0.02)	(0.2)
661(X)	8/07/92	NR	12:14	29.45	4.5	0.50	30	0.3	NA	0.04	NA	(0.03)	(0.02)	(0.2)
663	8/07/92	NR	11:34	29.45	3.5	0.50	30	0.3	NA	0.03	NA	(0.03)	(0.02)	(0.2)
665	8/07/92	NR	10:58	29.45	2.0	0.50	30	0.08	NA	0.03	NA	(0.03)	(0.02)	(0.2)
666	5/19/93	13:22	13:23	29.40	3.0	0.25	30	(0.01)	NA	0.013	NA	(1)	(1)	(1)
667	8/21/92	NR	08:29	29.30	5.0	0.50	30	(0.002)	NA	0.005	NA	(0.03)	(0.04)	(0.4)
668	8/21/92	NR	08:12	29.30	2.5	0.50	15	(0.002)	NA	0.02	NA	(0.03)	(0.04)	(0.4)
669	8/20/92	NR	13:16	29.35	2.5	0.50	15	0.09	NA	0.02**	NA	(0.03)	(0.08)	(0.8)
670	8/20/92	NR	10:29	29.40	5.0	0.50	15	(0.005)	NA	0.02	NA	(0.03)	(0.08)	(0.8)
671	8/20/92	NR	09:44	29.35	5.0	0.50	30	0.2	NA	0.03	NA	(0.03)	(0.04)	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
636	8/21/92	NR	08:44	29.30	2.0	0.50	15	(0.4)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.1
637	8/21/92	NR	09:41	29.35	5.0	0.50	30	(0.4)	(0.006)	(0.01)**	(0.01)**	NA	NA	(0.002)
642	8/20/92	NR	08:17	29.35	3.0	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
644	8/20/92	NR	08:29	29.35	5.0	0.50	15	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	(0.002)
646	8/20/92	NR	08:46	29.35	4.0	0.50	15	(0.4)	(0.006)**	(0.01)	(0.01)	NA	NA	(0.002)
647	8/06/92	NR	11:45	29.40	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.08
648	8/07/92	NR	10:10	29.45	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.05
649	8/07/92	NR	14:10	29.40	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.07
650	8/07/92	NR	12:42	29.45	2.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.1
651	8/20/92	NR	12:14	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.08
652	8/07/92	NR	10:30	29.45	1.5	0.50	5.0	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.09
653	8/07/92	NR	12:26	29.45	3.5	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.2
654	8/20/92	NR	12:52	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
655	8/20/92	NR	12:28	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
655(X)	8/20/92	NR	12:38	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
657	8/07/92	NR	13:57	29.40	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.06
659	8/07/92	NR	13:38	29.40	3.5	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)	NA	NA	0.07
661	8/07/92	NR	12:05	29.45	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
661(X)	8/07/92	NR	12:14	29.45	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
663	8/07/92	NR	11:34	29.45	3.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
665	8/07/92	NR	10:58	29.45	2.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
666	5/19/93	13:22	13:23	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	3
667	8/21/92	NR	08:29	29.30	5.0	0.50	30	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	0.9
668	8/21/92	NR	08:12	29.30	2.5	0.50	15	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	0.7
669	8/20/92	NR	13:16	29.35	2.5	0.50	15	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
670	8/20/92	NR	10:29	29.40	5.0	0.50	15	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	0.2
671	8/20/92	NR	09:44	29.35	5.0	0.50	30	(0.4)	(0.006)**	(0.01)	(0.01)	NA	NA	3

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
636	8/21/92	NR	08:44	29.30	2.0	0.50	15	NA	NA	(0.1)	(0.01)	0.5	18.8	80.7	0.027
637	8/21/92	NR	09:41	29.35	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.0	18.6	80.4	0.054
642	8/20/92	NR	08:17	29.35	3.0	0.50	15	NA	NA	(0.1)	(0.01)	2.5	16.1	81.4	0.155
644	8/20/92	NR	08:29	29.35	5.0	0.50	15	NA	NA	(0.1)	(0.01)	1.9	16.6	81.5	0.114
646	8/20/92	NR	08:46	29.35	4.0	0.50	15	NA	NA	(0.1)	(0.01)**	0.9	17.8	81.3	0.051
647	8/06/92	NR	11:45	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	2.2	16.4	81.4	0.134
648	8/07/92	NR	10:10	29.45	2.5	0.50	30	NA	NA	(0.1)	(0.01)	2.0	17.0	81.1	0.118
649	8/07/92	NR	14:10	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	2.2	17.3	80.6	0.127
650	8/07/92	NR	12:42	29.45	2.0	0.50	30	NA	NA	(0.1)	(0.01)	3.3	16.9	79.8	0.195
651	8/20/92	NR	12:14	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.4	16.0	81.6	0.150
652	8/07/92	NR	10:30	29.45	1.5	0.50	5.0	NA	NA	(0.1)	(0.01)	3.5	12.7	83.8	0.276
653	8/07/92	NR	12:26	29.45	3.5	0.50	30	NA	NA	(0.1)	(0.01)	2.6	15.5	82.0	0.168
654	8/20/92	NR	12:52	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	2.8	15.1	82.1	0.185
655	8/20/92	NR	12:28	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.5	17.0	81.5	0.088
655(X)	8/20/92	NR	12:38	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.4	18.4	80.2	0.076
657	8/07/92	NR	13:57	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)	2.8	17.9	79.4	0.156
659	8/07/92	NR	13:38	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	1.1	18.1	80.8	0.061
661	8/07/92	NR	12:05	29.45	4.5	0.50	30	NA	NA	(0.1)	(0.01)	3.8	15.0	81.2	0.253
661(X)	8/07/92	NR	12:14	29.45	4.5	0.50	30	NA	NA	(0.1)	(0.01)	3.1	16.0	80.9	0.194
663	8/07/92	NR	11:34	29.45	3.5	0.50	30	NA	NA	(0.1)	(0.01)**	2.1	16.3	81.6	0.129
665	8/07/92	NR	10:58	29.45	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	3.0	17.0	80.0	0.176
666	5/19/93	13:22	13:23	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	0.5	19.1	80.3	0.026
667	8/21/92	NR	08:29	29.30	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.2	18.2	80.6	0.066
668	8/21/92	NR	08:12	29.30	2.5	0.50	15	NA	NA	(0.1)	(0.01)	1.4	16.8	81.8	0.083
669	8/20/92	NR	13:16	29.35	2.5	0.50	15	NA	NA	(0.1)	(0.01)**	3.3	16.0	80.7	0.206
670	8/20/92	NR	10:29	29.40	5.0	0.50	15	NA	NA	(0.1)	(0.01)	1.5	18.9	79.6	0.079
671	8/20/92	NR	09:44	29.35	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.0	19.4	79.6	0.052

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
672	8/20/92	NR	10:16	29.40	5.0	0.50	30	0.02	NA	(0.7)	NA	9	(0.0004)	(0.4)
673	8/20/92	NR	09:59	29.35	5.0	0.50	30	0.03	NA	(0.4)	NA	15	(0.0002)	(0.2)
674	8/17/92	NR	13:12	30.35	2.5	0.50	30	0.09	NA	(2)	NA	3	(0.001)	(1)
675	8/17/92	NR	12:51	30.35	3.0	0.50	30	0.06	NA	(0.7)	NA	31	(0.0004)	(0.4)
676	8/17/92	NR	12:21	30.35	2.5	0.50	30	0.08	NA	(0.2)	NA	3	0.005	(0.1)
677	8/20/92	NR	09:02	29.35	5.0	0.50	15	0.07	NA	(0.4)	NA	14	(0.0002)	(0.2)
678	4/16/92	NR	16:18	29.40	5.0	0.50	30	0.04	NA	(0.2)	NA	0.04	0.0003	(0.1)
678(X)	4/16/92	NR	16:31	29.40	5.0	-	-	0.03	NA	(0.2)	NA	0.04	0.0001	(0.1)
679	4/16/92	NR	16:06	29.40	5.0	0.50	30	0.08	NA	(0.7)	NA	0.05	(0.0004)	(0.4)
680	4/22/92	NR	08:46	29.35	5.0	0.50	30	0.05	NA	(0.2)	NA	1	(0.0001)	(0.1)
681	4/22/92	NR	08:59	29.35	5.0	0.50	30	0.03	NA	(0.2)	NA	0.2	(0.0001)	(0.1)
682	4/16/92	NR	17:42	29.35	5.0	0.50	30	0.06	NA	(0.2)	NA	0.2	(0.0001)	(0.1)
683	4/16/92	NR	17:13	29.35	5.0	0.50	30	0.05	NA	(0.2)	NA	0.07	(0.0001)	(0.1)
684	4/16/92	NR	17:30	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.08	(0.0001)	(0.1)
685	4/22/92	NR	11:22	29.35	2.5	0.50	30	0.02	NA	(0.2)	NA	0.04	(0.0001)	(0.1)
686	4/22/92	NR	11:40	29.35	2.5	0.50	30	0.02	NA	(0.2)	NA	0.04	0.0007	(0.1)
686(X)	4/22/92	NR	11:52	29.35	2.5	0.50	30	0.02	NA	(0.2)	NA	0.04	0.0005	(0.1)
687	4/22/92	NR	10:40	29.35	2.5	0.50	30	0.02	NA	(0.2)	NA	0.04	0.0006	(0.1)
688	4/22/92	NR	10:27	29.35	2.5	0.50	30	0.02	NA	(0.2)	NA	0.08	0.0004	(0.1)
689	4/22/92	NR	10:14	29.35	4.0	0.50	30	0.02	NA	(0.2)	NA	0.05	0.0007	(0.1)
690	4/22/92	NR	09:12	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.1	0.0006	(0.1)
691*	4/16/92	NR	17:54	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.03	0.0004	(0.1)
692	4/22/92	NR	09:24	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.07	0.0005	(0.1)
693	4/22/92	NR	09:59	29.35	5.0	0.50	30	0.03	NA	(0.2)	NA	0.04	0.0005	(0.1)
694	4/22/92	NR	12:05	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.05	0.002	(0.1)
695	4/22/92	NR	12:16	29.35	5.0	0.50	30	0.04	NA	(0.2)	NA	0.08	0.005	(0.1)
696	4/22/92	NR	13:57	29.35	4.0	0.50	30	0.04	NA	(0.2)	NA	0.04	0.004	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
672	8/20/92	NR	10:16	29.40	5.0	0.50	30	1	NA	0.1	NA	(0.03)	(0.08)	(0.8)
673	8/20/92	NR	09:59	29.35	5.0	0.50	30	2	NA	0.1	NA	(0.03)	(0.04)	(0.4)
674	8/17/92	NR	13:12	30.35	2.5	0.50	30	1	NA	0.1	NA	(0.03)	(0.2)	(2)
675	8/17/92	NR	12:51	30.35	3.0	0.50	30	3	NA	0.1	NA	(0.03)	(0.08)	(0.8)
676	8/17/92	NR	12:21	30.35	2.5	0.50	30	11	NA	0.4	NA	(0.03)	(0.02)	(0.2)
677	8/20/92	NR	09:02	29.35	5.0	0.50	15	2	NA	0.1	NA	(0.03)	(0.04)	(0.4)
678	4/16/92	NR	16:18	29.40	5.0	0.50	30	0.2	NA	0.02	NA	(0.03)	(0.02)	(0.2)
678(X)	4/16/92	NR	16:31	29.40	5.0	-	-	0.2	NA	0.02	NA	(0.03)	(0.02)	(0.2)
679	4/16/92	NR	16:06	29.40	5.0	0.50	30	1	NA	0.02	NA	(0.03)	(0.08)	(0.8)
680	4/22/92	NR	08:46	29.35	5.0	0.50	30	0.1	NA	0.02	NA	(0.03)	(0.02)	(0.2)
681	4/22/92	NR	08:59	29.35	5.0	0.50	30	0.06	NA	0.02	NA	(0.03)	(0.02)	(0.2)
682	4/16/92	NR	17:42	29.35	5.0	0.50	30	0.3	NA	0.02	NA	(0.03)	(0.02)**	(0.2)
683	4/16/92	NR	17:13	29.35	5.0	0.50	30	0.2	NA	0.02	NA	(0.03)	(0.02)	(0.2)
684	4/16/92	NR	17:30	29.35	5.0	0.50	30	0.4	NA	0.06	NA	(0.03)	(0.02)**	(0.2)
685	4/22/92	NR	11:22	29.35	2.5	0.50	30	0.01	NA	0.009	NA	(0.03)	(0.02)	(0.2)
686	4/22/92	NR	11:40	29.35	2.5	0.50	30	0.008	NA	0.01	NA	(0.03)	(0.02)	(0.2)
686(X)	4/22/92	NR	11:52	29.35	2.5	0.50	30	0.008	NA	0.01	NA	(0.03)	(0.02)	(0.2)
687	4/22/92	NR	10:40	29.35	2.5	0.50	30	0.02	NA	0.007	NA	(0.03)	(0.02)	(0.2)
688	4/22/92	NR	10:27	29.35	2.5	0.50	30	0.05	NA	0.007	NA	(0.03)	(0.02)	(0.2)
689	4/22/92	NR	10:14	29.35	4.0	0.50	30	0.07	NA	0.02	NA	(0.03)	(0.02)	(0.2)
690	4/22/92	NR	09:12	29.35	5.0	0.50	30	0.5	NA	0.1	NA	(0.03)	(0.02)	(0.2)
691*	4/16/92	NR	17:54	29.35	5.0	0.50	30	(0.001)	NA	0.005	NA	(0.03)	(0.02)**	(0.2)
692	4/22/92	NR	09:24	29.35	5.0	0.50	30	1	NA	0.09	NA	(0.03)	(0.02)	(0.2)
693	4/22/92	NR	09:59	29.35	5.0	0.50	30	0.6	NA	0.04	NA	(0.03)	(0.02)	(0.2)
694	4/22/92	NR	12:05	29.35	5.0	0.50	30	0.6	NA	0.02	NA	(0.03)**	(0.02)	(0.2)
695	4/22/92	NR	12:16	29.35	5.0	0.50	30	2	NA	0.05	NA	(0.03)**	(0.02)	(0.2)
696	4/22/92	NR	13:57	29.35	4.0	0.50	30	0.4	NA	0.7	NA	(0.03)**	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
672	8/20/92	NR	10:16	29.40	5.0	0.50	30	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	4
673	8/20/92	NR	09:59	29.35	5.0	0.50	30	(0.4)	(0.006)**	(0.01)	(0.01)	NA	NA	6
674	8/17/92	NR	13:12	30.35	2.5	0.50	30	(2)	(0.006)	(0.01)	(0.01)**	NA	NA	6
675	8/17/92	NR	12:51	30.35	3.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	13
676	8/17/92	NR	12:21	30.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	7
677	8/20/92	NR	09:02	29.35	5.0	0.50	15	(0.4)	(0.006)**	(0.01)	(0.01)	NA	NA	9
678	4/16/92	NR	16:18	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
678(X)	4/16/92	NR	16:31	29.40	5.0	-	-	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
679	4/16/92	NR	16:06	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
680	4/22/92	NR	08:46	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	3
681	4/22/92	NR	08:59	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	1
682	4/16/92	NR	17:42	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	2
683	4/16/92	NR	17:13	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.9
684	4/16/92	NR	17:30	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
685	4/22/92	NR	11:22	29.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
686	4/22/92	NR	11:40	29.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
686(X)	4/22/92	NR	11:52	29.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
687	4/22/92	NR	10:40	29.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
688	4/22/92	NR	10:27	29.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
689	4/22/92	NR	10:14	29.35	4.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.08
690	4/22/92	NR	09:12	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.4
691*	4/16/92	NR	17:54	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
692	4/22/92	NR	09:24	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.1
693	4/22/92	NR	09:59	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.05
694	4/22/92	NR	12:05	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.02
695	4/22/92	NR	12:16	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.02
696	4/22/92	NR	13:57	29.35	4.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
672	8/20/92	NR	10:16	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.5	19.2	79.3	0.078
673	8/20/92	NR	09:59	29.35	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	2.4	16.6	81.0	0.145
674	8/17/92	NR	13:12	30.35	2.5	0.50	30	NA	NA	(0.1)	(0.01)	3.6	16.9	79.5	0.213
675	8/17/92	NR	12:51	30.35	3.0	0.50	30	NA	NA	(0.1)	(0.01)	2.9	17.4	79.8	0.167
676	8/17/92	NR	12:21	30.35	2.5	0.50	30	NA	NA	(0.1)	(0.01)	5.6	15.8	78.6	0.354
677	8/20/92	NR	09:02	29.35	5.0	0.50	15	NA	NA	(0.1)	(0.01)**	4.6	16.1	79.2	0.286
678	4/16/92	NR	16:18	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	21.2	78.5	0.014
678(X)	4/16/92	NR	16:31	29.40	5.0	-	-	NA	NA	(.1)	(0.01)	0.3	19.9	79.7	0.015
679	4/16/92	NR	16:06	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	20.8	78.9	0.019
680	4/22/92	NR	08:46	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	19.3	79.4	0.067
681	4/22/92	NR	08:59	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.9	19.9	79.2	0.045
682	4/16/92	NR	17:42	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.3	78.7	0.034
683	4/16/92	NR	17:13	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1	20.0	79.0	0.050
684	4/16/92	NR	17:30	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.3	78.8	0.044
685	4/22/92	NR	11:22	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.3	21.4	78.3	0.014
686	4/22/92	NR	11:40	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.7	19.9	79.4	0.035
686(X)	4/22/92	NR	11:52	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.0	78.3	0.029
687	4/22/92	NR	10:40	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.1	79.4	0.025
688	4/22/92	NR	10:27	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.2	79.5	0.015
689	4/22/92	NR	10:14	29.35	4.0	0.50	30	NA	NA	(.1)	(0.01)**	1	20.3	78.7	0.049
690	4/22/92	NR	09:12	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.6	18.7	79.8	0.086
691*	4/16/92	NR	17:54	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.1	21.6	78.4	0.005
692	4/22/92	NR	09:24	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.2	19.5	79.3	0.062
693	4/22/92	NR	09:59	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.3	16.1	81.6	0.143
694	4/22/92	NR	12:05	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	21.0	78.4	0.029
695	4/22/92	NR	12:16	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.7	21.0	78.4	0.033
696	4/22/92	NR	13:57	29.35	4.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.4	80.0	0.031

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
697	4/22/92	NR	13:40	29.35	5.0	0.50	1.5	0.06	NA	(0.2)	NA	0.04	0.004	(0.1)
698	4/22/92	NR	14:16	29.35	5.0	0.50	30	0.05	NA	(0.2)	NA	0.04	0.003	(0.1)
700	4/30/92	NR	08:27	29.40	5.0	0.50	7.5	0.05	NA	(0.2)	NA	0.04	0.001	(0.1)
701	4/16/92	NR	15:49	29.40	5.0	0.50	30	0.9	NA	(9)	NA	2	0.1	(5)
702*	4/14/92	NR	17:21	29.40	3.0	0.50	30	0.05	NA	(0.2)	NA	0.03	0.002	(0.1)
703	4/14/92	NR	17:33	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.08	0.07	(0.1)
704	4/16/92	NR	13:18	29.45	5.0	0.50	30	0.03**	NA	(0.7)	NA	0.06	2	(0.4)
705	4/16/92	NR	14:07	29.45	5.0	0.50	30	0.8**	NA	(9)	NA	1	0.03	(5)
705A	5/18/93	09:08	09:08	29.40	3.0	0.25	30	0.31	NA	(100)	NA	0.75	(0.1)	(100)
705A(X)	5/18/93	09:13	09:19	29.40	3.0	0.25	30	0.26	NA	(100)	NA	0.62	(0.1)	(100)
706	4/16/92	NR	13:31	29.45	5.0	0.50	30	0.03**	NA	(0.7)	NA	0.2	0.2	(0.4)
707	4/14/92	NR	17:03	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.2	0.3	(0.1)**
708	8/07/92	NR	10:44	29.45	3.0	0.50	30	0.1	NA	(0.2)	NA	0.2	(0.0001)	(0.1)
709	4/16/92	NR	14:30	29.40	5.0	0.50	30	0.03**	NA	(0.7)	NA	0.03	(0.0004)	(0.4)
710	4/14/92	NR	16:39	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.04	0.007	(0.1)**
710(X)	4/14/92	NR	16:51	29.40	5.0	0.50	30	0.03	NA	(0.2)	NA	0.04	0.008	(0.1)
711	3/13/92	NR	09:11	29.50	5.0	0.50	30	0.02	NA	(0.2)	NA	0.4	0.0002	(0.1)
726	8/06/92	NR	09:16	29.40	3.0	0.50	30	0.02	NA	(0.7)	NA	0.9	0.2	(0.4)
727	8/05/92	NR	15:47	29.40	3.0	0.50	30	0.02	NA	(0.7)**	NA	0.4	0.3	(0.4)
728	8/05/92	NR	15:01	29.40	5.0	0.50	30	0.09	NA	(2)	NA	1	1	(1)
729	8/05/92	NR	14:43	29.40	4.0	0.50	30	0.3	NA	(2)	NA	9	4	(1)
730	4/10/92	NR	15:45	29.45	5.0	0.50	30	0.9	NA	(0.7)	NA	2	3	(0.4)
731	4/10/92	NR	15:21	29.45	5.0	0.50	30	0.6	NA	(0.7)	NA	0.8	0.6	(0.4)
732	4/10/92	NR	15:08	29.45	5.0	0.50	10	2	NA	(0.7)	NA	0.4	0.2	(0.4)
733	4/10/92	NR	13:23	29.45	5.0	0.50	30	0.6	NA	(0.7)	NA	0.4	0.2	(0.4)
734	4/10/92	NR	12:55	29.45	5.0	0.50	30	0.8	NA	(2)	NA	2	0.1	(1)
734(X)	4/10/92	NR	13:08	29.45	5.0	0.50	30	0.7	NA	(2)	NA	2	0.1	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
697	4/22/92	NR	13:40	29.35	5.0	0.50	1.5	0.5	NA	0.8	NA	(0.03)**	(0.02)	(0.2)
698	4/22/92	NR	14:16	29.35	5.0	0.50	30	0.2	NA	1	NA	(0.03)**	(0.02)	(0.2)
700	4/30/92	NR	08:27	29.40	5.0	0.50	7.5	0.04	NA	0.01	NA	(0.03)	(0.02)	2
701	4/16/92	NR	15:49	29.40	5.0	0.50	30	24	NA	0.4	NA	(0.03)**	(0.1)	(10)
702*	4/14/92	NR	17:21	29.40	3.0	0.50	30	0.1	NA	0.02	NA	(0.03)	(0.02)	(0.2)
703	4/14/92	NR	17:33	29.40	5.0	0.50	30	120	NA	0.1	NA	(0.03)	(0.02)	1
704	4/16/92	NR	13:18	29.45	5.0	0.50	30	4	NA	0.1	NA	(0.03)**	(0.08)	(0.8)**
705	4/16/92	NR	14:07	29.45	5.0	0.50	30	220	NA	0.3	NA	(0.03)**	(1)	(10)**
705A	5/18/93	09:08	09:08	29.40	3.0	0.25	30	180	NA	0.34	NA	(1)	(1)	(100)
705A(X)	5/18/93	09:13	09:19	29.40	3.0	0.25	30	160	NA	0.32	NA	(1)	(1)	(100)
706	4/16/92	NR	13:31	29.45	5.0	0.50	30	19	NA	0.07	NA	(0.03)**	(0.08)	(0.8)**
707	4/14/92	NR	17:03	29.40	5.0	0.50	30	8	NA	0.07	NA	(0.03)	(0.02)	(0.2)
708	8/07/92	NR	10:44	29.45	3.0	0.50	30	0.05	NA	0.04	NA	(0.03)	(0.02)	(0.2)
709	4/16/92	NR	14:30	29.40	5.0	0.50	30	0.2	NA	0.007	NA	(0.03)**	(0.8)	(0.8)**
710	4/14/92	NR	16:39	29.40	5.0	0.50	30	0.2	NA	0.009	NA	(0.03)	(0.02)	(0.2)
710(X)	4/14/92	NR	16:51	29.40	5.0	0.50	30	0.1	NA	0.009	NA	(0.03)	(0.02)	(0.2)
711	3/13/92	NR	09:11	29.50	5.0	0.50	30	12	NA	0.005	NA	(0.03)	(0.02)	(0.2)
726	8/06/92	NR	09:16	29.40	3.0	0.50	30	0.05	NA	5	NA	(0.03)	(0.08)	(0.8)
727	8/05/92	NR	15:47	29.40	3.0	0.50	30	0.2	NA	2	NA	(0.03)	(0.08)	(0.8)
728	8/05/92	NR	15:01	29.40	5.0	0.50	30	3	NA	0.9	NA	(0.03)	(0.2)	(2)
729	8/05/92	NR	14:43	29.40	4.0	0.50	30	28	NA	0.6	NA	(0.03)	(0.2)	(2)
730	4/10/92	NR	15:45	29.45	5.0	0.50	30	12	NA	0.08	NA	(0.03)**	(0.08)	(0.8)
731	4/10/92	NR	15:21	29.45	5.0	0.50	30	6	NA	0.09	NA	(0.03)**	(0.08)	(0.8)
732	4/10/92	NR	15:08	29.45	5.0	0.50	10	5	NA	0.1	NA	(0.03)	(0.08)**	(0.8)
733	4/10/92	NR	13:23	29.45	5.0	0.50	30	0.2	NA	0.06	NA	(0.03)	(0.08)**	(0.8)
734	4/10/92	NR	12:55	29.45	5.0	0.50	30	0.2	NA	0.07	NA	(0.03)	(0.2)	(2)
734(X)	4/10/92	NR	13:08	29.45	5.0	0.50	30	0.3	NA	0.1	NA	(0.03)	(0.2)	(2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
697	4/22/92	NR	13:40	29.35	5.0	0.50	1.5	(0.2)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.009
698	4/22/92	NR	14:16	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
700	4/30/92	NR	08:27	29.40	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
701	4/16/92	NR	15:49	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	(0.05)
702*	4/14/92	NR	17:21	29.40	3.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.03
703	4/14/92	NR	17:33	29.40	5.0	0.50	30	27	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.04
704	4/16/92	NR	13:18	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	0.02**
705	4/16/92	NR	14:07	29.45	5.0	0.50	30	32	(0.006)	(0.01)	(0.01)**	NA	NA	(0.05)**
705A	5/18/93	09:08	09:08	29.40	3.0	0.25	30	(100)	(1)	(1)	(1)	NA	NA	(0.1)
705A(X)	5/18/93	09:13	09:19	29.40	3.0	0.25	30	(100)	(1)	(1)	(1)	NA	NA	(0.1)
706	4/16/92	NR	13:31	29.45	5.0	0.50	30	1	(0.006)	(0.01)	(0.01)**	NA	NA	0.02**
707	4/14/92	NR	17:03	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
708	8/07/92	NR	10:44	29.45	3.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
709	4/16/92	NR	14:30	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	0.02**
710	4/14/92	NR	16:39	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
710(X)	4/14/92	NR	16:51	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
711	3/13/92	NR	09:11	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.004
726	8/06/92	NR	09:16	29.40	3.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1
727	8/05/92	NR	15:47	29.40	3.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
728	8/05/92	NR	15:01	29.40	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	3
729	8/05/92	NR	14:43	29.40	4.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	23
730	4/10/92	NR	15:45	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	17
731	4/10/92	NR	15:21	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	8
732	4/10/92	NR	15:08	29.45	5.0	0.50	10	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	2
733	4/10/92	NR	13:23	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	11
734	4/10/92	NR	12:55	29.45	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	26
734(X)	4/10/92	NR	13:08	29.45	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	25

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
697	4/22/92	NR	13:40	29.35	5.0	0.50	1.5	NA	NA	(.1)	(0.01)**	0.5	20.9	78.6	0.024
698	4/22/92	NR	14:16	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.3	78.1	0.028
700	4/30/92	NR	08:27	29.40	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	0.8	21.4	77.8	0.037
701	4/16/92	NR	15:49	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.1	79.4	0.025
702*	4/14/92	NR	17:21	29.40	3.0	0.50	30	NA	NA	(.1)	(0.01)**	0.2	21.1	78.7	0.009
703	4/14/92	NR	17:33	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.3	19.0	79.6	0.068
704	4/16/92	NR	13:18	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.7	78.5	0.034
705	4/16/92	NR	14:07	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.2	15.1	82.7	0.146
705A	5/18/93	09:08	09:08	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	1.2	18.6	80.2	0.065
705A(X)	5/18/93	09:13	09:19	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	1.4	18.7	79.9	0.075
706	4/16/92	NR	13:31	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	2	17.6	80.4	0.114
707	4/14/92	NR	17:03	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1	20.3	78.6	0.049
708	8/07/92	NR	10:44	29.45	3.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.8	17.5	80.6	0.103
709	4/16/92	NR	14:30	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	20.2	78.8	0.054
710	4/14/92	NR	16:39	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	18.6	80.2	0.065
710(X)	4/14/92	NR	16:51	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.6	80.0	0.075
711	3/13/92	NR	09:11	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.1	18.6	79.3	0.113
726	8/06/92	NR	09:16	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)	2.1	15.9	82.0	0.132
727	8/05/92	NR	15:47	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)	1.8	15.9	82.3	0.113
728	8/05/92	NR	15:01	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.9	13.6	83.5	0.213
729	8/05/92	NR	14:43	29.40	4.0	0.50	30	NA	NA	(0.1)	(0.01)	2.8	12.5	84.7	0.224
730	4/10/92	NR	15:45	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	5.2	12.2	82.7	0.426
731	4/10/92	NR	15:21	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	4.9	12	83.1	0.408
732	4/10/92	NR	15:08	29.45	5.0	0.50	10	NA	NA	(.1)	(0.01)**	5.1	11.5	83.4	0.443
733	4/10/92	NR	13:23	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	3.2	14.8	82	0.216
734	4/10/92	NR	12:55	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.1	18	79.9	0.117
734(X)	4/10/92	NR	13:08	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	19.1	79.5	0.079

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
735	4/14/92	NR	12:01	29.45	5.0	0.50	30	0.4	NA	(0.7)	NA	1	0.09	(0.4)
739	7/31/92	NR	11:32	29.45	4.0	0.50	30	0.8	NA	(0.4)	NA	0.6	(0.0002)	(0.2)
740	7/31/92	NR	08:51	29.40	4.0	0.50	20	0.3	NA	(0.7)	NA	0.3	0.05	(0.4)
741	7/29/92	NR	17:58	29.35	3.0	0.50	15	0.2**	NA	(0.7)**	NA	0.5**	0.2	(0.4)
742	7/29/92	NR	10:08	29.40	5.0	0.50	29	0.5	NA	(0.7)	NA	5	0.8	(0.4)
743	7/29/92	NR	11:12	29.40	3.0	0.50	28	2**	NA	(0.7)**	NA	6**	3	(0.4)
744	7/29/92	NR	11:45	29.40	2.5	0.50	2.6	0.4**	NA	(0.7)**	NA	0.2**	0.3	(0.4)
745	7/29/92	NR	16:46	29.35	3.0	0.50	1.2	0.3**	NA	(0.7)**	NA	0.2**	0.09**	(0.4)
745(X)	7/29/92	NR	16:58	29.35	3.0	0.50	1.2	0.3**	NA	(0.7)**	NA	0.2**	0.07	(0.4)
747	7/29/92	NR	14:59	29.40	2.0	0.50	1.2	1**	NA	(0.7)**	NA	2**	0.2**	(0.4)
748	7/29/92	NR	16:20	29.40	3.0	0.50	17	7**	NA	(4)**	NA	30**	2**	(4)
749	8/17/92	NR	14:37	30.35	2.0	0.50	30	0.02	NA	(0.7)	NA	0.06	(0.0004)	(0.4)
750*	8/21/92	NR	12:19	29.40	5.0	0.50	15	0.006	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
750(X)	8/21/92	NR	12:31	29.40	5.0	0.50	15	0.007	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
751	8/21/92	NR	12:08	29.40	3.0	0.50	15	0.007	NA	(0.2)	NA	0.02	(0.0001)	(0.1)
752*	8/21/92	NR	11:12	29.40	3.0	0.50	15	0.006	NA	(0.2)	NA	0.03	(0.0001)	(0.1)
753	8/17/92	NR	14:47	30.35	2.5	0.50	30	(0.0007)	NA	(0.7)	NA	(0.002)	(0.0004)	(0.4)
754	8/21/92	NR	13:04	29.40	2.0	0.50	30	0.008	NA	(0.2)	NA	0.04	(0.0001)	(0.04)
755	8/17/92	NR	14:58	30.35	2.5	0.50	30	0.01	NA	(0.7)	NA	0.05	(0.0004)	(0.4)
756	8/21/92	NR	10:56	29.40	5.0	0.50	30	0.008	NA	(0.2)	NA	0.08	(0.0001)	(0.1)
762	7/31/92	NR	12:52	29.45	4.0	0.50	31	0.3	NA	(0.8)	NA	0.3	(0.0004)	(0.4)
763	7/31/92	NR	11:02	29.45	5.0	0.50	20	0.2	NA	(0.4)	NA	0.05	(0.0002)	(0.2)
765	7/31/92	NR	10:47	29.40	5.0	0.50	30	0.1	NA	(0.4)	NA	0.04	(0.0002)	(0.2)
767	7/31/92	NR	10:29	29.40	5.0	0.50	24	0.1	NA	(0.4)	NA	0.03	(0.0002)	(0.2)
769	7/31/92	NR	09:51	29.40	5.0	0.50	20	0.1	NA	(0.4)	NA	0.05	(0.0002)	(0.2)
771	7/30/92	NR	08:47	29.40	5.0	0.50	36	0.1	NA	(0.7)	NA	0.2	(0.0004)	(0.4)
773	7/31/92	NR	09:35	29.40	5.0	0.50	24	0.1	NA	(0.4)	NA	0.3	0.002	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
735	4/14/92	NR	12:01	29.45	5.0	0.50	30	0.4	NA	0.1	NA	(0.03)	(0.08)	(0.8)
739	7/31/92	NR	11:32	29.45	4.0	0.50	30	(0.002)	NA	0.2	NA	(0.03)**	(0.04)	(0.4)
740	7/31/92	NR	08:51	29.40	4.0	0.50	20	(0.005)	NA	1	NA	(0.03)	(0.08)	(0.8)
741	7/29/92	NR	17:58	29.35	3.0	0.50	15	0.5	NA	0.9	NA	(0.03)**	(0.08)	(0.8)
742	7/29/92	NR	10:08	29.40	5.0	0.50	29	6	NA	0.3	NA	(0.03)	(0.08)	(0.8)
743	7/29/92	NR	11:12	29.40	3.0	0.50	28	20	NA	0.3	NA	(0.03)	(0.08)	(0.8)
744	7/29/92	NR	11:45	29.40	2.5	0.50	2.6	2	NA	0.03	NA	(0.03)	(0.08)	(0.8)
745	7/29/92	NR	16:46	29.35	3.0	0.50	1.2	0.2**	NA	0.02**	NA	(0.03)	(0.08)	(0.8)
745(X)	7/29/92	NR	16:58	29.35	3.0	0.50	1.2	0.2	NA	0.02	NA	(0.03)**	(0.08)	(0.8)
747	7/29/92	NR	14:59	29.40	2.0	0.50	1.2	0.7**	NA	0.04**	NA	(0.03)	(0.08)	(0.8)
748	7/29/92	NR	16:20	29.40	3.0	0.50	17	21**	NA	5**	NA	(0.03)	(0.4)	(4)
749	8/17/92	NR	14:37	30.35	2.0	0.50	30	(0.005)	NA	0.1	NA	(0.03)	(0.08)	(0.8)
750*	8/21/92	NR	12:19	29.40	5.0	0.50	15	(0.001)	NA	0.009	NA	(0.03)	(0.02)	(0.2)
750(X)	8/21/92	NR	12:31	29.40	5.0	0.50	15	(0.001)	NA	0.009	NA	(0.03)	(0.02)	(0.2)
751	8/21/92	NR	12:08	29.40	3.0	0.50	15	(0.001)	NA	0.008	NA	(0.03)	(0.02)	(0.2)
752*	8/21/92	NR	11:12	29.40	3.0	0.50	15	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
753	8/17/92	NR	14:47	30.35	2.5	0.50	30	(0.005)	NA	0.09	NA	(0.03)	(0.08)	(0.8)
754	8/21/92	NR	13:04	29.40	2.0	0.50	30	(0.001)	NA	0.2	NA	(0.03)	(0.02)	(0.2)
755	8/17/92	NR	14:58	30.35	2.5	0.50	30	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
756	8/21/92	NR	10:56	29.40	5.0	0.50	30	(0.001)	NA	0.2	NA	(0.03)	(0.02)	(0.2)
762	7/31/92	NR	12:52	29.45	4.0	0.50	31	(0.005)	NA	0.1	NA	(0.03)**	(0.08)	(0.8)
763	7/31/92	NR	11:02	29.45	5.0	0.50	20	(0.002)	NA	0.04	NA	(0.03)**	(0.04)	(0.4)
765	7/31/92	NR	10:47	29.40	5.0	0.50	30	(0.002)	NA	0.07	NA	(0.03)	(0.04)	(0.4)
767	7/31/92	NR	10:29	29.40	5.0	0.50	24	(0.002)	NA	0.03	NA	(0.03)	(0.04)	(0.4)
769	7/31/92	NR	09:51	29.40	5.0	0.50	20	(0.002)	NA	0.1	NA	(0.03)	(0.04)	(0.4)
771	7/30/92	NR	08:47	29.40	5.0	0.50	36	(0.005)	NA	0.9	NA	(0.03)	(0.08)	(0.8)
773	7/31/92	NR	09:35	29.40	5.0	0.50	24	(0.002)	NA	0.9	NA	(0.03)	(0.04)	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
735	4/14/92	NR	12:01	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	34
739	7/31/92	NR	11:32	29.45	4.0	0.50	30	(0.4)	(0.006)**	(0.01)	(0.01)	NA	NA	93
740	7/31/92	NR	08:51	29.40	4.0	0.50	20	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	3
741	7/29/92	NR	17:58	29.35	3.0	0.50	15	(0.8)**	(0.006)**	(0.01)**	(0.01)**	NA	NA	5
742	7/29/92	NR	10:08	29.40	5.0	0.50	29	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	48
743	7/29/92	NR	11:12	29.40	3.0	0.50	28	(0.8)**	(0.006)**	(0.01)	(0.01)**	NA	NA	81
744	7/29/92	NR	11:45	29.40	2.5	0.50	2.6	(0.8)**	(0.006)**	(0.01)	(0.01)**	NA	NA	8
745	7/29/92	NR	16:46	29.35	3.0	0.50	1.2	(0.8)**	(0.006)**	(0.01)	(0.01)**	NA	NA	6
745(X)	7/29/92	NR	16:58	29.35	3.0	0.50	1.2	(0.8)**	(0.006)**	(0.01)**	(0.01)**	NA	NA	6
747	7/29/92	NR	14:59	29.40	2.0	0.50	1.2	(0.8)**	(0.006)**	(0.01)	(0.01)**	NA	NA	66
748	7/29/92	NR	16:20	29.40	3.0	0.50	17	(2)**	(0.006)**	(0.01)	(0.01)**	NA	NA	980
749	8/17/92	NR	14:37	30.35	2.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.04
750*	8/21/92	NR	12:19	29.40	5.0	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
750(X)	8/21/92	NR	12:31	29.40	5.0	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
751	8/21/92	NR	12:08	29.40	3.0	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
752*	8/21/92	NR	11:12	29.40	3.0	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
753	8/17/92	NR	14:47	30.35	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	(0.004)
754	8/21/92	NR	13:04	29.40	2.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
755	8/17/92	NR	14:58	30.35	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	(0.004)
756	8/21/92	NR	10:56	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
762	7/31/92	NR	12:52	29.45	4.0	0.50	31	(0.8)	(0.006)**	(0.01)	(0.01)	NA	NA	490
763	7/31/92	NR	11:02	29.45	5.0	0.50	20	(0.4)	(0.006)**	(0.01)	(0.01)	NA	NA	25
765	7/31/92	NR	10:47	29.40	5.0	0.50	30	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	4
767	7/31/92	NR	10:29	29.40	5.0	0.50	24	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	2
769	7/31/92	NR	09:51	29.40	5.0	0.50	20	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	2
771	7/30/92	NR	08:47	29.40	5.0	0.50	36	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	7
773	7/31/92	NR	09:35	29.40	5.0	0.50	24	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	3

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
735	4/14/92	NR	12:01	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	19.7	78.9	0.066
739	7/31/92	NR	11:32	29.45	4.0	0.50	30	NA	NA	(0.1)	(0.01)	1.4	17.8	80.8	0.079
740	7/31/92	NR	08:51	29.40	4.0	0.50	20	NA	NA	(0.1)	(0.01)	4.3	14.7	81.0	0.293
741	7/29/92	NR	17:58	29.35	3.0	0.50	15	NA	NA	(0.1)	(0.01)**	2.1	16.1	81.8	0.130
742	7/29/92	NR	10:08	29.40	5.0	0.50	29	NA	NA	(0.1)	(0.01)	2.0	17.6	80.4	0.114
743	7/29/92	NR	11:12	29.40	3.0	0.50	28	NA	NA	(0.1)	(0.01)	1.6	17.0	81.4	0.094
744	7/29/92	NR	11:45	29.40	2.5	0.50	2.6	NA	NA	(0.1)	(0.01)	1.1	18.2	80.7	0.060
745	7/29/92	NR	16:46	29.35	3.0	0.50	1.2	NA	NA	(0.1)	(0.01)**	0.3	17.1	82.6	0.018
745(X)	7/29/92	NR	16:58	29.35	3.0	0.50	1.2	NA	NA	(0.1)	(0.01)**	0.2	17.7	82.0	0.011
747	7/29/92	NR	14:59	29.40	2.0	0.50	1.2	NA	NA	(0.1)	(0.01)**	2.8	16.8	80.4	0.167
748	7/29/92	NR	16:20	29.40	3.0	0.50	17	NA	NA	(0.1)	(0.01)**	3.4	16.5	80.1	0.206
749	8/17/92	NR	14:37	30.35	2.0	0.50	30	NA	NA	(0.1)	(0.01)	1.2	19.1	79.7	0.063
750*	8/21/92	NR	12:19	29.40	5.0	0.50	15	NA	NA	(0.1)	(0.01)	0.9	20.2	78.9	0.045
750(X)	8/21/92	NR	12:31	29.40	5.0	0.50	15	NA	NA	(0.1)	(0.01)	0.9	19.3	79.8	0.047
751	8/21/92	NR	12:08	29.40	3.0	0.50	15	NA	NA	(0.1)	(0.01)	0.8	19.0	80.2	0.042
752*	8/21/92	NR	11:12	29.40	3.0	0.50	15	NA	NA	(0.1)	(0.01)	0.6	19.7	79.7	0.030
753	8/17/92	NR	14:47	30.35	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	0.8	18.9	80.3	0.042
754	8/21/92	NR	13:04	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)	2.7	16.4	80.8	0.165
755	8/17/92	NR	14:58	30.35	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	4.8	15.7	79.5	0.306
756	8/21/92	NR	10:56	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	4.9	14.0	81.1	0.350
762	7/31/92	NR	12:52	29.45	4.0	0.50	31	NA	NA	(0.1)	(0.01)	1.6	17.4	81.0	0.092
763	7/31/92	NR	11:02	29.45	5.0	0.50	20	NA	NA	(0.1)	(0.01)	2	17.3	80.7	0.116
765	7/31/92	NR	10:47	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.2	17.1	80.8	0.129
767	7/31/92	NR	10:29	29.40	5.0	0.50	24	NA	NA	(0.1)	(0.01)	2.8	15.9	81.3	0.176
769	7/31/92	NR	09:51	29.40	5.0	0.50	20	NA	NA	(0.1)	(0.01)	2.5	17.2	80.3	0.145
771	7/30/92	NR	08:47	29.40	5.0	0.50	36	NA	NA	(0.1)	(0.01)	6.7	11.7	81.6	0.573
773	7/31/92	NR	09:35	29.40	5.0	0.50	24	NA	NA	(0.1)	(0.01)	5.0	15.3	79.8	0.327

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
776	7/30/92	NR	09:12	29.40	2.0	0.50	2.8	0.1	NA	(0.4)	NA	0.3	(0.0002)	(0.2)
778	7/31/92	NR	09:11	29.40	2.0	0.50	6.1	0.1	NA	(0.4)	NA	0.2	(0.0002)	(0.2)
779	7/30/92	NR	09:58	29.40	3.5	0.50	20	(0.0004)	NA	(0.4)	NA	0.3	(0.0002)	(0.2)
781	7/30/92	NR	09:28	29.40	5.0	0.50	18	0.1	NA	(0.4)	NA	0.4	(0.0002)	(0.2)
783	7/30/92	NR	11:59	29.40	2.0	0.50	12	0.1	NA	(0.4)	NA	0.9	(0.0002)	(0.2)
785	7/30/92	NR	11:36	29.40	5.0	0.50	20	0.08	NA	(0.4)	NA	0.9	(0.0002)	(0.2)
787	7/30/92	NR	11:02	29.40	4.0	0.50	20	0.2	NA	(0.4)	NA	0.7	(0.0002)	(0.2)
788	7/29/92	NR	09:36	29.40	3.5	0.50	15	0.3	NA	(0.07)	NA	3	0.4	(0.04)
790	7/29/92	NR	13:30	29.40	5.0	0.50	5.4	2	NA	(0.7)	NA	8	2	(0.4)
792	7/29/92	NR	17:16	29.35	5.0	0.50	24	0.7**	NA	(0.7)**	NA	3**	0.5	(0.4)
793	7/29/92	NR	14:38	29.40	2.5	0.50	16	1	NA	(0.7)	NA	4	0.3	(0.4)
794	7/29/92	NR	15:22	29.40	3.0	0.50	18	8**	NA	(0.7)**	NA	48**	2**	(0.4)
795	8/17/92	NR	14:15	30.30	5.0	0.50	30	0.06	NA	(0.7)	NA	0.2	0.007	(0.4)
797	7/31/92	NR	13:25	29.40	2.0	0.50	3.0	16	NA	(9)	NA	3	(0.005)	(5)
797(X)	7/31/92	NR	13:35	29.40	2.0	0.50	3.0	15	NA	(9)	NA	3	(0.005)	(5)
798	8/05/92	NR	09:59	29.40	2.5	0.50	6.0	0.5	NA	(9)	NA	3	(0.005)	(5)
799	7/31/92	NR	13:45	29.40	3.0	0.50	26	5	NA	(9)**	NA	2	(0.005)	(5)
800	8/05/92	NR	10:19	29.40	3.5	0.50	30	0.5	NA	(9)	NA	3	(0.005)	(5)
801	7/31/92	NR	14:54	29.40	4.0	0.50	14	5	NA	(18)**	NA	3	(0.01)	(10)
802	8/05/92	NR	10:35	29.40	2.0	0.50	30	0.4	NA	(9)**	NA	3	(0.005)	(5)
803*	8/05/92	NR	12:03	29.40	2.0	0.50	30	0.002	NA	(0.7)	NA	0.01	(0.0004)	(0.4)
805	8/05/92	NR	10:46	29.40	2.0	0.50	30	0.3	NA	(9)**	NA	2	(0.005)	(5)
806	8/05/92	NR	11:42	29.40	2.0	0.50	30	0.2	NA	(9)**	NA	2	0.06	(5)
806(X)	8/05/92	NR	11:51	29.40	2.0	0.50	30	0.2	NA	(9)	NA	2	0.08	(5)
807	8/05/92	NR	12:14	29.40	2.0	0.50	30	0.2	NA	(9)	NA	1	(0.005)	(5)
808	8/05/92	NR	11:28	29.40	2.5	0.50	30	0.6	NA	(9)**	NA	4	(0.005)	(5)
809	6/02/93	13:52	13:52	NR	3.5	0.50	30	(0.01)	NA	(10)	NA	0.3	0.026	(10)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
776	7/30/92	NR	09:12	29.40	2.0	0.50	2.8	(0.002)	NA	1	NA	(0.03)	(0.04)	(0.4)
778	7/31/92	NR	09:11	29.40	2.0	0.50	6.1	(0.002)	NA	0.2	NA	(0.03)	(0.04)	(0.4)
779	7/30/92	NR	09:58	29.40	3.5	0.50	20	(0.002)	NA	1	NA	(0.03)	(0.04)	(0.4)
781	7/30/92	NR	09:28	29.40	5.0	0.50	18	(0.002)	NA	2	NA	(0.03)	(0.04)	(0.4)
783	7/30/92	NR	11:59	29.40	2.0	0.50	12	(0.002)	NA	2	NA	(0.03)	(0.04)	(0.4)
785	7/30/92	NR	11:36	29.40	5.0	0.50	20	(0.002)	NA	0.7	NA	(0.03)	(0.04)	(0.4)
787	7/30/92	NR	11:02	29.40	4.0	0.50	20	(0.002)	NA	1	NA	(0.03)	(0.04)	(0.4)
788	7/29/92	NR	09:36	29.40	3.5	0.50	15	2	NA	1	NA	(0.03)	(0.008)	(0.08)
790	7/29/92	NR	13:30	29.40	5.0	0.50	5.4	12	NA	0.2	NA	(0.03)	(0.08)	(0.8)
792	7/29/92	NR	17:16	29.35	5.0	0.50	24	3	NA	0.2	NA	(0.03)**	(0.08)	(0.8)
793	7/29/92	NR	14:38	29.40	2.5	0.50	16	2	NA	0.2	NA	(0.03)	(0.08)	(0.8)
794	7/29/92	NR	15:22	29.40	3.0	0.50	18	5**	NA	0.4**	NA	(0.03)	(0.08)	(0.8)
795	8/17/92	NR	14:15	30.30	5.0	0.50	30	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
797	7/31/92	NR	13:25	29.40	2.0	0.50	3.0	(0.06)	NA	1	NA	(0.03)	(1)	(10)
797(X)	7/31/92	NR	13:35	29.40	2.0	0.50	3.0	(0.06)	NA	1	NA	(0.03)	(1)	(10)
798	8/05/92	NR	09:59	29.40	2.5	0.50	6.0	(0.06)	NA	0.7**	NA	(0.03)	(1)	(10)
799	7/31/92	NR	13:45	29.40	3.0	0.50	26	(0.06)	NA	1	NA	(0.03)	(1)	(10)
800	8/05/92	NR	10:19	29.40	3.5	0.50	30	(0.06)	NA	0.5**	NA	(0.03)	(1)	(10)
801	7/31/92	NR	14:54	29.40	4.0	0.50	14	(0.1)	NA	0.6	NA	(0.03)	(2)	(20)
802	8/05/92	NR	10:35	29.40	2.0	0.50	30	(0.06)	NA	0.2	NA	(0.03)	(1)	(10)
803*	8/05/92	NR	12:03	29.40	2.0	0.50	30	(0.005)	NA	(0.006)	NA	(0.03)	(0.08)	(0.8)
805	8/05/92	NR	10:46	29.40	2.0	0.50	30	(0.06)	NA	0.2	NA	(0.03)	(1)	(10)
806	8/05/92	NR	11:42	29.40	2.0	0.50	30	(0.06)	NA	0.6	NA	(0.03)	(1)	(10)
806(X)	8/05/92	NR	11:51	29.40	2.0	0.50	30	(0.06)	NA	0.8	NA	(0.03)	(1)	(10)
807	8/05/92	NR	12:14	29.40	2.0	0.50	30	(0.06)	NA	0.8	NA	(0.03)	(1)	(10)
808	8/05/92	NR	11:28	29.40	2.5	0.50	30	(0.06)	NA	0.4	NA	(0.03)	(1)	(10)
809	6/02/93	13:52	13:52	NR	3.5	0.50	30	(0.1)	NA	0.075	NA	(1)	(1)	(10)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
776	7/30/92	NR	09:12	29.40	2.0	0.50	2.8	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	11
778	7/31/92	NR	09:11	29.40	2.0	0.50	6.1	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	1
779	7/30/92	NR	09:58	29.40	3.5	0.50	20	(0.4)	(0.006)**	(0.01)**	(0.01)	NA	NA	14
781	7/30/92	NR	09:28	29.40	5.0	0.50	18	(0.4)	(0.006)**	(0.01)**	(0.01)	NA	NA	11
783	7/30/92	NR	11:59	29.40	2.0	0.50	12	(0.4)	(0.006)	(0.01)**	(0.01)	NA	NA	21
785	7/30/92	NR	11:36	29.40	5.0	0.50	20	(0.4)	(0.006)**	(0.01)**	(0.01)	NA	NA	8
787	7/30/92	NR	11:02	29.40	4.0	0.50	20	(0.4)	(0.006)**	(0.01)**	(0.01)	NA	NA	8
788	7/29/92	NR	09:36	29.40	3.5	0.50	15	(0.08)	(0.006)	(0.01)	(0.01)	NA	NA	30
790	7/29/92	NR	13:30	29.40	5.0	0.50	5.4	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	150
792	7/29/92	NR	17:16	29.35	5.0	0.50	24	(0.8)**	(0.006)**	(0.01)**	(0.01)**	NA	NA	86
793	7/29/92	NR	14:38	29.40	2.5	0.50	16	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	70
794	7/29/92	NR	15:22	29.40	3.0	0.50	18	(0.8)**	(0.006)**	(0.01)	(0.01)**	NA	NA	710
795	8/17/92	NR	14:15	30.30	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	0.1
797	7/31/92	NR	13:25	29.40	2.0	0.50	3.0	(10)	(0.006)	(0.01)	(0.01)	NA	NA	710
797(X)	7/31/92	NR	13:35	29.40	2.0	0.50	3.0	(10)	(0.006)	(0.01)	(0.01)	NA	NA	770
798	8/05/92	NR	09:59	29.40	2.5	0.50	6.0	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	120
799	7/31/92	NR	13:45	29.40	3.0	0.50	26	(10)	(0.006)	(0.01)	(0.01)	NA	NA	2,200
800	8/05/92	NR	10:19	29.40	3.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	280
801	7/31/92	NR	14:54	29.40	4.0	0.50	14	(20)	(0.006)	(0.01)	(0.01)	NA	NA	1,300
802	8/05/92	NR	10:35	29.40	2.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	20
803*	8/05/92	NR	12:03	29.40	2.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	0.04
805	8/05/92	NR	10:46	29.40	2.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	98
806	8/05/92	NR	11:42	29.40	2.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	210
806(X)	8/05/92	NR	11:51	29.40	2.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	340
807	8/05/92	NR	12:14	29.40	2.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	120
808	8/05/92	NR	11:28	29.40	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	190
809	6/02/93	13:52	13:52	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	13

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
776	7/30/92	NR	09:12	29.40	2.0	0.50	2.8	NA	NA	(0.1)	(0.01)	5.0	14.4	80.6	0.347
778	7/31/92	NR	09:11	29.40	2.0	0.50	6.1	NA	NA	(0.1)	(0.01)	2.8	18.3	78.9	0.153
779	7/30/92	NR	09:58	29.40	3.5	0.50	20	NA	NA	(0.1)	(0.01)	3.0	17.0	79.9	0.176
781	7/30/92	NR	09:28	29.40	5.0	0.50	18	NA	NA	(0.1)	(0.01)	3.1	15.7	81.2	0.197
783	7/30/92	NR	11:59	29.40	2.0	0.50	12	NA	NA	(0.1)	(0.01)	3.7	14.7	81.6	0.252
785	7/30/92	NR	11:36	29.40	5.0	0.50	20	NA	NA	(0.1)	(0.01)	2.8	17.3	79.9	0.162
787	7/30/92	NR	11:02	29.40	4.0	0.50	20	NA	NA	(0.1)	(0.01)	3.3	16.2	80.5	0.204
788	7/29/92	NR	09:36	29.40	3.5	0.50	15	NA	NA	(0.1)	(0.01)	1.6	16.9	81.5	0.095
790	7/29/92	NR	13:30	29.40	5.0	0.50	5.4	NA	NA	(0.1)	(0.01)	1.2	18.0	80.8	0.067
792	7/29/92	NR	17:16	29.35	5.0	0.50	24	NA	NA	(0.1)	(0.01)**	3.9	15.9	80.2	0.245
793	7/29/92	NR	14:38	29.40	2.5	0.50	16	NA	NA	(0.1)	(0.01)	2.0	16.3	81.6	0.123
794	7/29/92	NR	15:22	29.40	3.0	0.50	18	NA	NA	(0.1)	(0.01)**	3.7	15.5	80.8	0.239
795	8/17/92	NR	14:15	30.30	5.0	0.50	30	NA	NA	(0.1)	(0.01)	6.8	12.8	80.3	0.531
797	7/31/92	NR	13:25	29.40	2.0	0.50	3.0	NA	NA	(0.1)	(0.01)	1.4	16.7	81.8	0.084
797(X)	7/31/92	NR	13:35	29.40	2.0	0.50	3.0	NA	NA	(0.1)	(0.01)	1.4	18.3	80.3	0.077
798	8/05/92	NR	09:59	29.40	2.5	0.50	6.0	NA	NA	(0.1)	(0.01)**	1.2	18.5	80.4	0.065
799	7/31/92	NR	13:45	29.40	3.0	0.50	26	NA	NA	(0.1)	(0.01)	2.7	17.0	80.3	0.159
800	8/05/92	NR	10:19	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)**	3.1	17.0	79.9	0.182
801	7/31/92	NR	14:54	29.40	4.0	0.50	14	NA	NA	(0.1)	(0.01)	2.9	14.9	82.2	0.195
802	8/05/92	NR	10:35	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	0.4	19.1	80.5	0.021
803*	8/05/92	NR	12:03	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	(0.1)	20.6	79.4	
805	8/05/92	NR	10:46	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	2.1	17.8	80.0	0.118
806	8/05/92	NR	11:42	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	4.3	14.7	81.0	0.293
806(X)	8/05/92	NR	11:51	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)	2.2	17.0	80.9	0.129
807	8/05/92	NR	12:14	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	2.8	17.2	80.0	0.163
808	8/05/92	NR	11:28	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	4.8	14.0	81.2	0.343
809	6/02/93	13:52	13:52	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	0.8	19.3	79.9	0.041

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
810	6/02/93	14:32	14:32	NR	5.0	0.50	30	0.012	NA	(10)	NA	0.51	0.041	(10)
811	8/03/92	NR	09:27	29.40	5.0	0.50	30	0.2	NA	(0.7)	NA	0.6	(0.0004)	(0.4)
812	7/30/92	NR	12:27	29.40	2.0	0.50	7.5	0.1	NA	(0.4)	NA	0.4	(0.0002)	(0.2)
813	8/04/92	NR	15:44	29.35	4.0	0.50	30	0.006	NA	(0.7)**	NA	0.4	(0.0004)	(0.4)
814	8/03/92	NR	08:53	29.40	2.0	0.50	30	0.2	NA	(0.7)	NA	0.9	(0.0004)	(0.4)
815	8/05/92	NR	08:37	29.40	4.5	0.50	30	0.007	NA	(0.7)	NA	0.06	(0.0004)	(0.4)
816	8/03/92	NR	09:08	29.40	2.0	0.50	6.0	0.1	NA	(0.7)	NA	0.3	(0.0004)	(0.4)
817	8/04/92	NR	16:00	29.35	2.5	0.50	30	0.006	NA	(0.7)**	NA	0.3	(0.0004)	(0.4)
818	8/03/92	NR	12:48	29.40	5.0	0.50	5.0	3**	NA	(2)	NA	4	1	(1)
819	8/04/92	NR	11:06	29.40	2.5	0.50	30	0.6	NA	(9)	NA	26	2	(5)
820	8/04/92	NR	10:53	29.40	2.5	0.50	30	0.4	NA	(18)	NA	21	1	(10)
822	8/04/92	NR	08:45	29.40	5.0	0.50	30	2	NA	(9)	NA	46	1	(5)
823	8/04/92	NR	10:23	29.40	2.5	0.50	30	0.4	NA	(9)**	NA	810	(0.005)	(5)
824	8/04/92	NR	09:48	29.40	3.0	0.50	30	0.5	NA	(9)**	NA	240	0.1	(5)
825	8/03/92	NR	11:23	29.40	2.0	0.50	30	9**	NA	(9)	NA	110	0.2	(5)
826	8/03/92	NR	11:11	29.40	5.0	0.50	30	10**	NA	(9)	NA	65	0.3	(5)
827	8/03/92	NR	10:57	29.40	3.5	0.50	30	28	NA	(9)	NA	45	1	(5)
828	8/03/92	NR	10:29	29.40	5.0	0.50	30	6	NA	(0.7)	NA	33	1	(0.4)
832	8/05/92	NR	14:01	29.40	5.0	0.50	15	0.2	NA	(9)	NA	2	0.04	(5)
833	7/31/92	NR	15:09	29.40	5.0	0.50	3.9	0.3	NA	(2)**	NA	0.3	(0.001)	(0.5)
834	7/31/92	NR	14:09	29.40	5.0	0.50	4.1	0.4	NA	(2)**	NA	0.4	(0.001)	(0.5)
835	7/31/92	NR	15:23	29.40	2.0	0.50	4.3	0.2	NA	(0.7)	NA	0.3	(0.0004)	(0.4)
836	8/03/92	NR	09:49	29.40	5.0	0.50	30	0.07	NA	(0.7)	NA	0.3	(0.0004)	(0.4)
837*	8/05/92	NR	08:49	29.40	3.5	0.50	30	0.005	NA	(0.4)	NA	0.2	(0.0002)	(0.2)
838	8/03/92	NR	12:59	29.40	5.0	0.50	30	5	NA	(2)	NA	12	2	(1)
838(X)	8/03/92	NR	13:15	29.40	5.0	0.50	30	7	NA	(9)	NA	10	1	(5)
839	8/03/92	NR	13:33	29.40	5.0	0.50	30	5	NA	(9)**	NA	4	0.07	(5)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
810	6/02/93	14:32	14:32	NR	5.0	0.50	30	(0.1)	NA	0.11	NA	(1)	(1)	(10)
811	8/03/92	NR	09:27	29.40	5.0	0.50	30	(0.005)	NA	4	NA	(0.03)	(0.08)	(0.8)
812	7/30/92	NR	12:27	29.40	2.0	0.50	7.5	(0.002)	NA	2	NA	(0.03)	(0.04)	(0.4)
813	8/04/92	NR	15:44	29.35	4.0	0.50	30	(0.005)	NA	0.6	NA	(0.03)	(0.08)	(0.8)
814	8/03/92	NR	08:53	29.40	2.0	0.50	30	(0.005)	NA	7	NA	(0.03)	(0.08)	(0.8)
815	8/05/92	NR	08:37	29.40	4.5	0.50	30	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
816	8/03/92	NR	09:08	29.40	2.0	0.50	6.0	(0.005)	NA	0.5	NA	(0.03)	(0.08)	(0.8)
817	8/04/92	NR	16:00	29.35	2.5	0.50	30	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
818	8/03/92	NR	12:48	29.40	5.0	0.50	5.0	4	NA	0.04	NA	(0.03)	(0.2)	(2)
819	8/04/92	NR	11:06	29.40	2.5	0.50	30	20	NA	0.7	NA	(0.03)	(1)	(10)
820	8/04/92	NR	10:53	29.40	2.5	0.50	30	10	NA	0.4	NA	(0.03)	(2)	(20)
822	8/04/92	NR	08:45	29.40	5.0	0.50	30	8	NA	1	NA	(0.03)	(1)	(10)
823	8/04/92	NR	10:23	29.40	2.5	0.50	30	7	NA	6	NA	(0.03)	(1)	(10)
824	8/04/92	NR	09:48	29.40	3.0	0.50	30	9	NA	4	NA	(0.03)	(1)	(10)
825	8/03/92	NR	11:23	29.40	2.0	0.50	30	6	NA	2	NA	(0.03)	(1)	(10)
826	8/03/92	NR	11:11	29.40	5.0	0.50	30	8	NA	3	NA	(0.03)	(1)	(10)
827	8/03/92	NR	10:57	29.40	3.5	0.50	30	11	NA	2	NA	(0.03)	(1)	(10)
828	8/03/92	NR	10:29	29.40	5.0	0.50	30	8	NA	1	NA	(0.03)	(0.08)	(0.8)
832	8/05/92	NR	14:01	29.40	5.0	0.50	15	(0.06)	NA	1	NA	(0.03)	(1)	(10)
833	7/31/92	NR	15:09	29.40	5.0	0.50	3.9	(0.01)	NA	2	NA	(0.03)	(0.2)	(2)
834	7/31/92	NR	14:09	29.40	5.0	0.50	4.1	(0.01)	NA	9	NA	(0.03)	(0.2)	(2)
835	7/31/92	NR	15:23	29.40	2.0	0.50	4.3	(0.005)	NA	1	NA	(0.03)	(0.08)	(0.8)
836	8/03/92	NR	09:49	29.40	5.0	0.50	30	(0.005)	NA	0.2	NA	(0.03)	(0.08)	(0.8)
837*	8/05/92	NR	08:49	29.40	3.5	0.50	30	(0.002)	NA	0.05	NA	(0.03)	(0.04)	(0.4)
838	8/03/92	NR	12:59	29.40	5.0	0.50	30	21	NA	0.4	NA	(0.03)	(0.2)	(2)
838(X)	8/03/92	NR	13:15	29.40	5.0	0.50	30	16	NA	0.4	NA	(0.03)	(1)	(10)
839	8/03/92	NR	13:33	29.40	5.0	0.50	30	(0.06)	NA	0.1	NA	(0.03)	(1)	(10)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
810	6/02/93	14:32	14:32	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	14
811	8/03/92	NR	09:27	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	69
812	7/30/92	NR	12:27	29.40	2.0	0.50	7.5	(0.4)	(0.006)	(0.01)**	(0.01)	NA	NA	23
813	8/04/92	NR	15:44	29.35	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1
814	8/03/92	NR	08:53	29.40	2.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	65
815	8/05/92	NR	08:37	29.40	4.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
816	8/03/92	NR	09:08	29.40	2.0	0.50	6.0	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6
817	8/04/92	NR	16:00	29.35	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.01
818	8/03/92	NR	12:48	29.40	5.0	0.50	5.0	(2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	760
819	8/04/92	NR	11:06	29.40	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	310
820	8/04/92	NR	10:53	29.40	2.5	0.50	30	(20)	(0.006)	(0.01)	(0.01)	NA	NA	190
822	8/04/92	NR	08:45	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	310
823	8/04/92	NR	10:23	29.40	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	580
824	8/04/92	NR	09:48	29.40	3.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	460
825	8/03/92	NR	11:23	29.40	2.0	0.50	30	(10)	(0.006)**	(0.01)**	(0.01)**	NA	NA	2,600
826	8/03/92	NR	11:11	29.40	5.0	0.50	30	(10)	(0.006)**	(0.01)**	(0.01)**	NA	NA	2,800
827	8/03/92	NR	10:57	29.40	3.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	3,300
828	8/03/92	NR	10:29	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	770
832	8/05/92	NR	14:01	29.40	5.0	0.50	15	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	100
833	7/31/92	NR	15:09	29.40	5.0	0.50	3.9	(2)	(0.006)	(0.01)	(0.01)	NA	NA	180
834	7/31/92	NR	14:09	29.40	5.0	0.50	4.1	(2)	(0.006)	(0.01)	(0.01)	NA	NA	130
835	7/31/92	NR	15:23	29.40	2.0	0.50	4.3	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	74
836	8/03/92	NR	09:49	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	0.8
837*	8/05/92	NR	08:49	29.40	3.5	0.50	30	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	(0.002)
838	8/03/92	NR	12:59	29.40	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	1,500
838(X)	8/03/92	NR	13:15	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	1,600
839	8/03/92	NR	13:33	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	1,100

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
810	6/02/93	14:32	14:32	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.3	18.4	80.3	0.071
811	8/03/92	NR	09:27	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	3.3	15.2	81.5	0.217
812	7/30/92	NR	12:27	29.40	2.0	0.50	7.5	NA	NA	(0.1)	(0.01)	3.4	16.0	80.6	0.212
813	8/04/92	NR	15:44	29.35	4.0	0.50	30	NA	NA	(0.1)	(0.01)	0.9	19.1	80.1	0.047
814	8/03/92	NR	08:53	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)	6.9	12.9	80.2	0.535
815	8/05/92	NR	08:37	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)	0.6	18.7	80.8	0.032
816	8/03/92	NR	09:08	29.40	2.0	0.50	6.0	NA	NA	(0.1)	(0.01)	1.1	17.8	81.1	0.062
817	8/04/92	NR	16:00	29.35	2.5	0.50	30	NA	NA	(0.1)	(0.01)	0.7	19.0	80.3	0.037
818	8/03/92	NR	12:48	29.40	5.0	0.50	5.0	NA	NA	(0.1)	(0.01)**	1.4	18.6	80.0	0.075
819	8/04/92	NR	11:06	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	2.8	15.4	81.9	0.182
820	8/04/92	NR	10:53	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	1.8	17.6	80.6	0.102
822	8/04/92	NR	08:45	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.1	16.2	81.7	0.130
823	8/04/92	NR	10:23	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	3.8	13.4	82.8	0.284
824	8/04/92	NR	09:48	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)**	2.8	17.1	80.2	0.164
825	8/03/92	NR	11:23	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)**	2.2	16.7	81.1	0.132
826	8/03/92	NR	11:11	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.7	17.8	80.6	0.096
827	8/03/92	NR	10:57	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	2.5	16.3	81.2	0.153
828	8/03/92	NR	10:29	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.6	18.1	80.3	0.088
832	8/05/92	NR	14:01	29.40	5.0	0.50	15	NA	NA	(0.1)	(0.01)**	5.2	14.2	80.6	0.366
833	7/31/92	NR	15:09	29.40	5.0	0.50	3.9	NA	NA	(0.1)	(0.01)	3.6	15.5	80.9	0.232
834	7/31/92	NR	14:09	29.40	5.0	0.50	4.1	NA	NA	(0.1)	(0.01)	2.8	16.3	80.9	0.172
835	7/31/92	NR	15:23	29.40	2.0	0.50	4.3	NA	NA	(0.1)	(0.01)	1.8	17.5	80.7	0.103
836	8/03/92	NR	09:49	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.4	18.4	80.1	0.076
837*	8/05/92	NR	08:49	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	0.8	19.6	79.5	0.041
838	8/03/92	NR	12:59	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	0.7	18.2	81.1	0.038
838(X)	8/03/92	NR	13:15	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	0.5	19.1	80.4	0.026
839	8/03/92	NR	13:33	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.1	17.2	80.7	0.122

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ˆ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
840	8/03/92	NR	13:52	29.40	2.0	0.50	30	6	NA	(9)**	NA	13	(0.005)	(5)
841	8/03/92	NR	14:37	29.40	3.0	0.50	30	0.3	NA	(2)**	NA	2	(0.001)	(1)
842	8/04/92	NR	09:24	29.40	3.5	0.50	30	2	NA	(9)**	NA	12	0.06	(5)
843*	8/04/92	NR	09:08	29.40	2.5	0.50	30	2	NA	(9)	NA	9	0.02	(5)
844	8/03/92	NR	14:50	29.35	4.0	0.50	30	4	NA	(0.7)**	NA	3	0.2	(0.4)
847	6/02/93	13:35	13:35	NR	3.5	0.50	30	0.012	NA	(10)	NA	1	0.062	(10)
848	5/24/93	13:38	13:38	NR	3.5	0.50	30	0.028	NA	(1)	NA	1.8	0.034	(1)
850	6/02/93	15:11	15:11	NR	3.0	0.25	30	0.025	NA	(10)	NA	3.8	(0.1)	(10)
851	6/02/93	15:30	15:30	NR	3.0	0.25	30	0.044	NA	(10)	NA	110	(0.1)	(10)
852	6/02/93	15:53	15:53	NR	2.5	0.25	30	0.022	NA	(10)	NA	6.9	(0.1)	(10)
852(X)	6/02/93	16:00	16:13	NR		-	-	0.034	NA	(10)	NA	7.5	(0.1)	(10)
854*	5/24/93	09:38	09:38	NR	3.0	0.25	5	0.005	NA	(1)	NA	0.092	0.002	(1)
855	6/03/93	10:59	10:59	NR	2.5	0.25	30	0.032	NA	(10)	NA	1	(0.01)	(10)
856	6/03/93	10:24	10:24	NR	5.0	0.50	30	0.013	NA	(10)	NA	0.31	(0.001)	(10)
857	6/03/93	11:15	11:15	NR	2.5	0.25	30	0.011	NA	(10)	NA	0.23	(0.01)	(10)
858*	5/24/93	09:56	09:56	NR	3.0	0.25	5	0.005	NA	(1)	NA	0.06	(0.001)	(1)
858(X)*	5/24/93	10:00	10:05	NR	3.0	-	-	0.004	NA	(1)	NA	0.053	(0.001)	(1)
859	6/03/93	12:24	12:24	NR	5.0	0.50	30	0.014	NA	(1)	NA	0.5	(0.001)	(1)
860	6/03/93	10:10	10:10	NR	3.0	0.25	30	0.005	NA	(1)	NA	0.056	(0.001)	(1)
861*	5/24/93	10:20	10:20	NR	3.0	0.25	5	0.004	NA	(1)	NA	0.021	(0.001)	(1)
862	6/03/93	09:27	09:27	NR	2.5	0.25	30	0.009	NA	(1)	NA	0.054	(0.001)	(1)
863*	5/24/93	10:34	10:34	NR	3.0	0.25	5	0.004	NA	(1)	NA	0.018	(0.001)	(1)
864	6/03/93	12:41	12:41	NR	5.0	0.50	30	0.010	NA	(1)	NA	0.039	(0.001)	(1)
864(X)	6/03/93	12:46	12:51	NR	5.0	0.50	30	0.01	NA	(1)	NA	0.042	(0.001)	(1)
865	6/03/93	09:03	09:03	NR	4.0	0.50	30	0.01	NA	(1)	NA	0.017	(0.001)	(1)
866	5/24/93	11:40	11:41	NR	2.5	0.25	30	0.012	NA	(1)	NA	0.16	0.004	(1)
867	6/03/93	08:43	08:43	NR	5.0	0.50	30	0.015	NA	(1)	NA	0.015	(0.001)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
840	8/03/92	NR	13:52	29.40	2.0	0.50	30	(0.06)	NA	0.3	NA	(0.03)	(1)	(10)
841	8/03/92	NR	14:37	29.40	3.0	0.50	30	0.2	NA	2	NA	(0.03)	(0.2)	(2)
842	8/04/92	NR	09:24	29.40	3.5	0.50	30	2	NA	1	NA	(0.03)	(1)	(10)
843*	8/04/92	NR	09:08	29.40	2.5	0.50	30	0.9	NA	0.8	NA	(0.03)	(1)	(10)
844	8/03/92	NR	14:50	29.35	4.0	0.50	30	2	NA	0.5	NA	(0.03)	(0.08)	(0.8)
847	6/02/93	13:35	13:35	NR	3.5	0.50	30	(0.1)	NA	0.066	NA	(1)	(1)	(10)
848	5/24/93	13:38	13:38	NR	3.5	0.50	30	0.013	NA	0.16	NA	(1)	(1)	(1)
850	6/02/93	15:11	15:11	NR	3.0	0.25	30	(0.1)	NA	0.7	NA	(1)	(1)	(10)
851	6/02/93	15:30	15:30	NR	3.0	0.25	30	(0.1)	NA	0.62	NA	(1)	(1)	(10)
852	6/02/93	15:53	15:53	NR	2.5	0.25	30	(0.1)	NA	0.42	NA	(1)	(1)	(10)
852(X)	6/02/93	16:00	16:13	NR		-	-	(0.1)	NA	0.6	NA	(1)	(1)	(10)
854*	5/24/93	09:38	09:38	NR	3.0	0.25	5	(0.01)	NA	0.006	NA	(1)	(1)	(1)
855	6/03/93	10:59	10:59	NR	2.5	0.25	30	(0.1)	NA	0.38	NA	(1)	(1)	(10)
856	6/03/93	10:24	10:24	NR	5.0	0.50	30	(0.1)	NA	0.091	NA	(1)	(1)	(10)
857	6/03/93	11:15	11:15	NR	2.5	0.25	30	(0.1)	NA	0.067	NA	(1)	(1)	(10)
858*	5/24/93	09:56	09:56	NR	3.0	0.25	5	(0.01)	NA	0.006	NA	(1)	(1)	(1)
858(X)*	5/24/93	10:00	10:05	NR	3.0	-	-	(0.01)	NA	0.005	NA	(1)	(1)	(1)
859	6/03/93	12:24	12:24	NR	5.0	0.50	30	(0.01)	NA	0.11	NA	(1)	(1)	(1)
860	6/03/93	10:10	10:10	NR	3.0	0.25	30	(0.01)	NA	0.022	NA	(1)	(1)	(1)
861*	5/24/93	10:20	10:20	NR	3.0	0.25	5	(0.01)	NA	0.003	NA	(1)	(1)	(1)
862	6/03/93	09:27	09:27	NR	2.5	0.25	30	(0.01)	NA	0.016	NA	(1)	(1)	(1)
863*	5/24/93	10:34	10:34	NR	3.0	0.25	5	(0.01)	NA	0.004	NA	(1)	(1)	(1)
864	6/03/93	12:41	12:41	NR	5.0	0.50	30	(0.01)	NA	0.035	NA	(1)	(1)	(1)
864(X)	6/03/93	12:46	12:51	NR	5.0	0.50	30	(0.01)	NA	0.038	NA	(1)	(1)	(1)
865	6/03/93	09:03	09:03	NR	4.0	0.50	30	(0.01)	NA	0.02	NA	(1)	(1)	(1)
866	5/24/93	11:40	11:41	NR	2.5	0.25	30	(0.01)	NA	0.037	NA	(1)	(1)	(1)
867	6/03/93	08:43	08:43	NR	5.0	0.50	30	(0.01)	NA	0.028	NA	(1)	(1)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
840	8/03/92	NR	13:52	29.40	2.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	300
841	8/03/92	NR	14:37	29.40	3.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	140
842	8/04/92	NR	09:24	29.40	3.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)**	NA	NA	130
843*	8/04/92	NR	09:08	29.40	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	46
844	8/03/92	NR	14:50	29.35	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	670
847	6/02/93	13:35	13:35	NR	3.5	0.50	30	(10)	(1)	(1)	(1)	NA	NA	8.9
848	5/24/93	13:38	13:38	NR	3.5	0.50	30	(1)	(1)	(1)	(1)	NA	NA	16
850	6/02/93	15:11	15:11	NR	3.0	0.25	30	(10)	(1)	(1)	(1)	NA	NA	13
851	6/02/93	15:30	15:30	NR	3.0	0.25	30	(10)	(1)	(1)	(1)	NA	NA	23
852	6/02/93	15:53	15:53	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	13
852(X)	6/02/93	16:00	16:13	NR		-	-	(10)	(1)	(1)	(1)	NA	NA	17
854*	5/24/93	09:38	09:38	NR	3.0	0.25	5	(1)	(1)	(1)	(1)	NA	NA	0.4
855	6/03/93	10:59	10:59	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	19
856	6/03/93	10:24	10:24	NR	5.0	0.50	30	(10)	(1)	(1)	(1)	NA	NA	3.3
857	6/03/93	11:15	11:15	NR	2.5	0.25	30	(10)	(1)	(1)	(1)	NA	NA	4.2
858*	5/24/93	09:56	09:56	NR	3.0	0.25	5	(1)	(1)	(1)	(1)	NA	NA	0.2
858(X)*	5/24/93	10:00	10:05	NR	3.0	-	-	(1)	(1)	(1)	(1)	NA	NA	0.1
859	6/03/93	12:24	12:24	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	6.4
860	6/03/93	10:10	10:10	NR	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.7
861*	5/24/93	10:20	10:20	NR	3.0	0.25	5	(1)	(1)	(1)	(1)	NA	NA	(0.1)
862	6/03/93	09:27	09:27	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	1
863*	5/24/93	10:34	10:34	NR	3.0	0.25	5	(1)	(1)	(1)	(1)	NA	NA	(0.1)
864	6/03/93	12:41	12:41	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.9
864(X)	6/03/93	12:46	12:51	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	1
865	6/03/93	09:03	09:03	NR	4.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.2
866	5/24/93	11:40	11:41	NR	2.5	0.25	30	(1)	(1)	(1)	(1)	NA	NA	0.3
867	6/03/93	08:43	08:43	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.6

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
840	8/03/92	NR	13:52	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)	0.7	19.4	80.0	0.036
841	8/03/92	NR	14:37	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)	2.3	16.8	80.8	0.137
842	8/04/92	NR	09:24	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)**	1.1	18.3	80.6	0.060
843*	8/04/92	NR	09:08	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)	0.6	20.0	79.4	0.030
844	8/03/92	NR	14:50	29.35	4.0	0.50	30	NA	NA	(0.1)	(0.01)	1.2	18.4	80.3	0.065
847	6/02/93	13:35	13:35	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	1.2	18.0	80.8	0.067
848	5/24/93	13:38	13:38	NR	3.5	0.50	30	NA	NA	(0.1)	(1)	1.6	17.4	81.1	0.092
850	6/02/93	15:11	15:11	NR	3.0	0.25	30	NA	NA	(0.1)	(1)	1.6	18.1	80.3	0.088
851	6/02/93	15:30	15:30	NR	3.0	0.25	30	NA	NA	(0.1)	(1)	3.5	15.4	81.1	0.227
852	6/02/93	15:53	15:53	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	3.6	15.5	81	0.232
852(X)	6/02/93	16:00	16:13	NR		-	-	NA	NA	(0.1)	(1)	3.4	15.4	81.1	0.221
854*	5/24/93	09:38	09:38	NR	3.0	0.25	5	NA	NA	(0.1)	(1)	0.2	19.9	79.9	0.010
855	6/03/93	10:59	10:59	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	3.6	14.8	81.6	0.243
856	6/03/93	10:24	10:24	NR	5.0	0.50	30	NA	NA	(0.1)	(1)**	2	16.2	81.8	0.123
857	6/03/93	11:15	11:15	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	2.4	16.6	81	0.145
858*	5/24/93	09:56	09:56	NR	3.0	0.25	5	NA	NA	(0.1)	(1)	0.3	19.9	79.8	0.015
858(X)*	5/24/93	10:00	10:05	NR	3.0	-	-	NA	NA	(0.1)	(1)	0.2	19.6	80.2	0.010
859	6/03/93	12:24	12:24	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	4.1	13.4	82.6	0.306
860	6/03/93	10:10	10:10	NR	3.0	0.25	30	NA	NA	(0.1)	(1)**	2.7	16.7	80.6	0.162
861*	5/24/93	10:20	10:20	NR	3.0	0.25	5	NA	NA	(0.1)	(1)	(0.1)	20.1	79.9	
862	6/03/93	09:27	09:27	NR	2.5	0.25	30	NA	NA	(0.1)	(1)**	2.1	16.2	81.6	0.130
863*	5/24/93	10:34	10:34	NR	3.0	0.25	5	NA	NA	(0.1)	(1)	0.1	20.4	79.4	0.005
864	6/03/93	12:41	12:41	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	3.5	15.5	81	0.226
864(X)	6/03/93	12:46	12:51	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	3.5	15.7	80.8	0.223
865	6/03/93	09:03	09:03	NR	4.0	0.50	30	NA	NA	(0.1)	(1)**	3.7	16.2	80.1	0.228
866	5/24/93	11:40	11:41	NR	2.5	0.25	30	NA	NA	(0.1)	(1)	0.8	18.4	80.8	0.043
867	6/03/93	08:43	08:43	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	4.6	13.6	81.8	0.338

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
868	5/24/93	10:46	10:46	NR	3.0	0.25	5	0.005	NA	(1)	NA	0.025	(0.001)	(1)
869	5/25/93	11:11	11:12	NR	5.0	0.50	15	0.004	NA	(1)	NA	0.041	(0.001)	(1)
870	5/24/93	11:20	11:21	NR	5.0	0.50	6	0.005	NA	(1)	NA	0.042	(0.001)	(1)
871	5/24/93	11:05	11:05	NR	5.0	0.50	6	0.004	NA	(1)	NA	0.009	(0.001)	(1)
872	5/24/93	12:52	12:53	NR	5.0	0.50	30	0.008	NA	(1)	NA	0.014	(0.001)	(1)
873	6/03/93	13:05	13:05	NR	5.0	0.50	30	0.02	NA	(1)	NA	0.01	(0.001)	(1)
874	6/03/93	08:28	08:28	NR	5.0	0.50	30	0.009	NA	(1)	NA	0.006	(0.001)	(1)
875	8/06/92	NR	10:56	29.40	2.0	0.50	30	0.009	NA	(0.7)	NA	0.5	(0.0004)	(0.4)
876	8/05/92	NR	09:13	29.40	5.0	0.50	30	0.004	NA	(0.4)	NA	0.2	(0.0002)	(0.2)
877*	8/05/92	NR	09:00	29.40	5.0	0.50	30	0.006	NA	(0.4)	NA	0.4	(0.0002)	(0.2)
880*	8/04/92	NR	15:09	29.35	2.5	0.50	30	0.008	NA	(0.7)	NA	1	0.001	(0.4)
882*	8/04/92	NR	14:52	29.40	4.5	0.50	30	0.008	NA	(0.7)	NA	0.8	0.002	(0.4)
883	8/04/92	NR	14:16	29.40	2.5	0.50	30	(0.002)	NA	(0.2)	NA	0.8	(0.001)	(0.1)
884*	8/04/92	NR	13:58	29.40	5.0	0.50	30	0.003	NA	(0.2)	NA	0.2	(0.001)	(0.1)
885	8/03/92	NR	15:43	29.35	2.5	NR	NR	0.4**	NA	(2)**	NA	1	0.008**	(1)
886	8/21/92	NR	10:18	29.35	5.0	0.50	30	0.2	NA	(0.7)	NA	3	0.3	(0.4)
887	8/04/92	NR	11:35	29.40	5.0	0.50	30	0.07	NA	(0.2)**	NA	2	0.1	(0.1)
888	8/04/92	NR	13:11	29.40	2.5	0.50	30	0.2	NA	(9)**	NA	1	0.05	(5)
889	7/30/92	NR	15:39	29.35	4.0	0.50	1.3	2**	NA	(0.7)	NA	8**	0.7**	(0.4)
890*	7/30/92	NR	16:19	29.35	2.0	0.50	20	0.2**	NA	(0.7)	NA	0.2**	(0.0004)**	(0.4)
891	7/30/92	NR	16:30	29.35	3.0	0.50	20	2	NA	(0.7)**	NA	2	0.04	(0.4)
892	7/30/92	NR	16:47	29.35	5.0	0.50	20	1	NA	(0.7)**	NA	0.2	0.006	(0.4)
893	8/07/92	NR	09:10	29.45	3.5	0.50	30	0.005	NA	(0.2)	NA	0.03	0.005	(0.1)
894	8/21/92	NR	12:43	29.40	3.5	0.50	30	0.009	NA	(0.2)	NA	0.03	0.002	(0.1)
895	8/07/92	NR	09:30	29.45	5.0	0.50	30	0.01	NA	(0.2)	NA	0.7	0.04	(0.1)
896	8/06/92	NR	10:17	29.40	5.0	0.50	6.0	0.007	NA	(0.2)	NA	0.04	(0.0001)	(0.1)
897	8/06/92	NR	11:24	29.40	2.5	0.50	15	0.007	NA	(0.2)	NA	0.1	0.004	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
868	5/24/93	10:46	10:46	NR	3.0	0.25	5	(0.01)	NA	0.01	NA	(1)	(1)	(1)
869	5/25/93	11:11	11:12	NR	5.0	0.50	15	(0.01)	NA	0.028	NA	(1)	(1)	(1)
870	5/24/93	11:20	11:21	NR	5.0	0.50	6	(0.01)	NA	0.022	NA	(1)	(1)	(1)
871	5/24/93	11:05	11:05	NR	5.0	0.50	6	(0.01)	NA	0.01	NA	(1)	(1)	(1)
872	5/24/93	12:52	12:53	NR	5.0	0.50	30	0.34	NA	0.024	NA	(1)	(1)	(1)
873	6/03/93	13:05	13:05	NR	5.0	0.50	30	(0.01)	NA	0.1	NA	(1)	(1)	(1)
874	6/03/93	08:28	08:28	NR	5.0	0.50	30	(0.01)	NA	0.017	NA	(1)	(1)	(1)
875	8/06/92	NR	10:56	29.40	2.0	0.50	30	(0.005)	NA	0.5	NA	(0.03)	(0.08)	(0.8)
876	8/05/92	NR	09:13	29.40	5.0	0.50	30	(0.002)	NA	0.03**	NA	(0.03)	(0.04)	(0.4)
877*	8/05/92	NR	09:00	29.40	5.0	0.50	30	0.06	NA	0.08**	NA	(0.03)	(0.04)	(0.4)
880*	8/04/92	NR	15:09	29.35	2.5	0.50	30	0.1	NA	0.2	NA	(0.03)	(0.08)	(0.8)
882*	8/04/92	NR	14:52	29.40	4.5	0.50	30	0.2	NA	0.08	NA	(0.03)	(0.08)	(0.8)
883	8/04/92	NR	14:16	29.40	2.5	0.50	30	0.3	NA	0.2	NA	(0.03)	(0.02)	(0.2)
884*	8/04/92	NR	13:58	29.40	5.0	0.50	30	(0.01)	NA	0.04	NA	(0.03)	(0.02)	(0.2)
885	8/03/92	NR	15:43	29.35	2.5	NR	NR	0.7	NA	0.3	NA	(0.03)**	(0.2)	(2)
886	8/21/92	NR	10:18	29.35	5.0	0.50	30	4	NA	0.2	NA	(0.03)	(0.8)	(0.8)
887	8/04/92	NR	11:35	29.40	5.0	0.50	30	3**	NA	0.4**	NA	(0.03)	(0.02)	(0.2)
888	8/04/92	NR	13:11	29.40	2.5	0.50	30	0.9**	NA	0.2**	NA	(0.03)	(1)	(10)
889	7/30/92	NR	15:39	29.35	4.0	0.50	1.3	14**	NA	0.4**	NA	(0.03)	(0.08)	(0.8)
890*	7/30/92	NR	16:19	29.35	2.0	0.50	20	0.5**	NA	0.1**	NA	(0.03)	(0.08)	(0.8)
891	7/30/92	NR	16:30	29.35	3.0	0.50	20	3	NA	0.3	NA	(0.03)	(0.08)	(0.8)
892	7/30/92	NR	16:47	29.35	5.0	0.50	20	0.7	NA	0.1	NA	(0.03)	(0.08)	(0.8)
893	8/07/92	NR	09:10	29.45	3.5	0.50	30	(0.001)	NA	0.05	NA	(0.03)	(0.02)	(0.2)
894	8/21/92	NR	12:43	29.40	3.5	0.50	30	(0.001)	NA	0.007	NA	(0.03)	(0.02)	(0.2)
895	8/07/92	NR	09:30	29.45	5.0	0.50	30	(0.001)	NA	0.04	NA	(0.03)	(0.02)	(0.2)
896	8/06/92	NR	10:17	29.40	5.0	0.50	6.0	(0.001)	NA	0.07	NA	(0.03)	(0.02)	(0.2)
897	8/06/92	NR	11:24	29.40	2.5	0.50	15	(0.001)	NA	0.05	NA	(0.03)**	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
868	5/24/93	10:46	10:46	NR	3.0	0.25	5	(1)	(1)	(1)	(1)	NA	NA	(0.1)
869	5/25/93	11:11	11:12	NR	5.0	0.50	15	(1)	(1)	(1)	(1)	NA	NA	(0.1)
870	5/24/93	11:20	11:21	NR	5.0	0.50	6	(1)	(1)	(1)	(1)	NA	NA	(0.1)
871	5/24/93	11:05	11:05	NR	5.0	0.50	6	(1)	(1)	(1)	(1)	NA	NA	(0.1)
872	5/24/93	12:52	12:53	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.1
873	6/03/93	13:05	13:05	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.7
874	6/03/93	08:28	08:28	NR	5.0	0.50	30	(1)	(1)	(1)	(1)	NA	NA	0.2
875	8/06/92	NR	10:56	29.40	2.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	4
876	8/05/92	NR	09:13	29.40	5.0	0.50	30	(0.4)	(0.006)	(0.01)	(0.01)**	NA	NA	0.03
877*	8/05/92	NR	09:00	29.40	5.0	0.50	30	(0.4)	(0.006)	(0.01)	(0.01)**	NA	NA	0.1
880*	8/04/92	NR	15:09	29.35	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	2
882*	8/04/92	NR	14:52	29.40	4.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)**	NA	NA	7
883	8/04/92	NR	14:16	29.40	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	15
884*	8/04/92	NR	13:58	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	3
885	8/03/92	NR	15:43	29.35	2.5	NR	NR	(2)	(0.006)	(0.01)	(0.01)	NA	NA	250
886	8/21/92	NR	10:18	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	220
887	8/04/92	NR	11:35	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	110
888	8/04/92	NR	13:11	29.40	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	44
889	7/30/92	NR	15:39	29.35	4.0	0.50	1.3	(0.8)**	(0.006)	(0.01)	(0.01)**	NA	NA	1,300
890*	7/30/92	NR	16:19	29.35	2.0	0.50	20	(0.8)**	(0.006)	(0.01)	(0.01)**	NA	NA	30
891	7/30/92	NR	16:30	29.35	3.0	0.50	20	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	410
892	7/30/92	NR	16:47	29.35	5.0	0.50	20	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	45
893	8/07/92	NR	09:10	29.45	3.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
894	8/21/92	NR	12:43	29.40	3.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
895	8/07/92	NR	09:30	29.45	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
896	8/06/92	NR	10:17	29.40	5.0	0.50	6.0	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.09
897	8/06/92	NR	11:24	29.40	2.5	0.50	15	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.08

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
868	5/24/93	10:46	10:46	NR	3.0	0.25	5	NA	NA	(0.1)	(1)	0.4	19.7	80	0.020
869	5/25/93	11:11	11:12	NR	5.0	0.50	15	NA	NA	(0.1)	(1)	2.2	18.5	79.3	0.119
870	5/24/93	11:20	11:21	NR	5.0	0.50	6	NA	NA	(0.1)	(1)	1.7	18.5	79.8	0.092
871	5/24/93	11:05	11:05	NR	5.0	0.50	6	NA	NA	(0.1)	(1)	1.1	19.5	79.4	0.056
872	5/24/93	12:52	12:53	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	1.8	15.8	82.4	0.114
873	6/03/93	13:05	13:05	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	4.8	13.7	81.6	0.350
874	6/03/93	08:28	08:28	NR	5.0	0.50	30	NA	NA	(0.1)	(1)	3.6	15.8	80.6	0.228
875	8/06/92	NR	10:56	29.40	2.0	0.50	30	NA	NA	(0.1)	(0.01)	2.6	17.2	80.3	0.151
876	8/05/92	NR	09:13	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.1	18.4	80.4	0.060
877*	8/05/92	NR	09:00	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	0.6	19.9	79.6	0.030
880*	8/04/92	NR	15:09	29.35	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	0.4	19.8	79.8	0.020
882*	8/04/92	NR	14:52	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)**	0.6	19.7	79.6	0.030
883	8/04/92	NR	14:16	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	0.9	19.5	79.7	0.046
884*	8/04/92	NR	13:58	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	(0.1)	20.1	79.9	
885	8/03/92	NR	15:43	29.35	2.5	NR	NR	NA	NA	(0.1)	(0.01)	0.7	18.5	80.8	0.038
886	8/21/92	NR	10:18	29.35	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.4	17.9	80.6	0.078
887	8/04/92	NR	11:35	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.8	18.5	79.7	0.097
888	8/04/92	NR	13:11	29.40	2.5	0.50	30	NA	NA	(0.1)	(0.01)**	0.6	19.4	80.0	0.031
889	7/30/92	NR	15:39	29.35	4.0	0.50	1.3	NA	NA	(0.1)	(0.01)**	2.0	17.5	80.5	0.114
890*	7/30/92	NR	16:19	29.35	2.0	0.50	20	NA	NA	(0.1)	(0.01)**	0.3	19.9	79.8	0.015
891	7/30/92	NR	16:30	29.35	3.0	0.50	20	NA	NA	(0.1)	(0.01)	3.1	15.5	81.3	0.200
892	7/30/92	NR	16:47	29.35	5.0	0.50	20	NA	NA	(0.1)	(0.01)	2.8	16.9	80.3	0.166
893	8/07/92	NR	09:10	29.45	3.5	0.50	30	NA	NA	(0.1)	(0.01)	2.1	16.8	81.1	0.125
894	8/21/92	NR	12:43	29.40	3.5	0.50	30	NA	NA	(0.1)	(0.01)	1.0	18.0	81.0	0.056
895	8/07/92	NR	09:30	29.45	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.6	17.0	81.4	0.094
896	8/06/92	NR	10:17	29.40	5.0	0.50	6.0	NA	NA	(0.1)	(0.01)	3.1	15.9	81.0	0.195
897	8/06/92	NR	11:24	29.40	2.5	0.50	15	NA	NA	(0.1)	(0.01)	0.6	18.5	80.9	0.032

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
901	8/04/92	NR	13:30	29.40	4.5	0.50	30	0.04	NA	(0.2)	NA	2	0.009	(0.1)
901(X)	8/04/92	NR	13:43	29.40	4.5	0.50	30	0.04	NA	(0.2)	NA	2	0.01	(0.1)
902	8/03/92	NR	15:16	29.35	3.0	0.50	30	1**	NA	(2)**	NA	0.5	0.04**	(1)
903	7/30/92	NR	14:56	29.40	4.0	0.50	30	1**	NA	(0.4)	NA	0.2**	0.01**	(0.2)
904	7/30/92	NR	14:41	29.40	3.0	0.50	30	1**	NA	(0.4)	NA	0.1**	0.005**	(0.2)
905	7/30/92	NR	14:22	29.40	5.0	0.50	13	1	NA	(0.4)	NA	0.08	(0.0002)	(0.2)
905(X)	7/30/92	NR	14:30	29.40	5.0	0.50	2.3	1	NA	(0.4)	NA	0.07	(0.0002)	(0.2)
906	7/30/92	NR	13:54	29.40	2.5	0.50	20	0.7	NA	(0.4)	NA	0.1	(0.0002)	(0.2)
907	8/07/92	NR	08:57	29.40	5.0	0.50	10	0.008	NA	(0.2)	NA	0.1	0.002	(0.1)
908	8/07/92	NR	08:46	29.40	5.0	0.50	30	0.006	NA	(0.2)	NA	0.2	(0.0001)	(0.1)
909	8/06/92	NR	10:01	29.40	4.0	0.50	30	0.01	NA	(0.2)	NA	0.06	0.002	(0.1)
910	8/06/92	NR	09:40	29.40	4.5	0.50	30	0.006	NA	(0.2)	NA	0.06	0.002	(0.1)
911	8/06/92	NR	11:09	29.40	5.0	0.50	30	0.01	NA	(0.2)	NA	0.09	0.01	(0.1)
912	4/23/92	NR	13:19	29.35	5.0	0.50	30	0.04	NA	(0.2)	NA	0.04	0.004	(0.1)
913	4/23/92	NR	13:31	29.35	5.0	0.50	10	0.03	NA	(0.2)	NA	0.05	0.0008	(0.1)
914	4/23/92	NR	16:12	29.35	5.0	0.50	30	0.06	NA	(4)	NA	5	(0.002)	(2)
915*	3/16/92	NR	13:37	29.35	5.0	0.50	1.7	0.02	NA	(0.2)	NA	.1	0.0007	(0.1)
916	3/16/92	NR	12:42	29.35	5.0	0.50	30	0.09	NA	(0.2)	NA	.4	0.003	(0.1)
917	3/16/92	NR	09:43	29.35	5.0	0.50	30	0.2	NA	(0.2)	NA	.2	0.005	(0.1)
918	3/13/92	NR	10:54	29.55	5.0	0.50	30	0.05	NA	(0.2)**	NA	0.07	0.002	(0.1)
919*	3/13/92	NR	10:29	29.55	5.0	0.50	30	0.008	NA	(0.2)**	NA	0.03	0.0007	(0.1)
920	4/23/92	NR	14:24	29.35	5.0	0.50	30	0.05	NA	(0.2)	NA	0.06	0.002	(0.1)
921*	4/23/92	NR	14:36	29.35	5.0	0.50	30	0.02	NA	(0.2)	NA	0.002	0.0004	(0.1)
922*	4/23/92	NR	14:52	29.35	5.0	0.50	3	0.04	NA	(0.2)	NA	0.1	0.0004	(0.1)
923	4/23/92	NR	15:31	29.35	5.0	0.50	30	0.1	NA	(0.7)	NA	2	(0.0004)	(0.4)
924	3/16/92	NR	15:15	29.35	5.0	0.50	30	0.4	NA	(0.7)	NA	.7	0.001	(0.4)
925	3/16/92	NR	08:52	29.35	5.0	0.50	30	0.07	NA	(0.2)	NA	.2	0.01	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
901	8/04/92	NR	13:30	29.40	4.5	0.50	30	0.9	NA	0.2	NA	(0.03)	(0.02)	(0.2)
901(X)	8/04/92	NR	13:43	29.40	4.5	0.50	30	0.9	NA	0.2	NA	(0.03)	(0.02)	(0.2)
902	8/03/92	NR	15:16	29.35	3.0	0.50	30	0.4	NA	0.08	NA	(0.03)**	(0.2)	(2)
903	7/30/92	NR	14:56	29.40	4.0	0.50	30	0.9**	NA	0.04**	NA	(0.03)	(0.04)	(0.4)
904	7/30/92	NR	14:41	29.40	3.0	0.50	30	1**	NA	0.05**	NA	(0.03)	(0.04)	(0.4)
905	7/30/92	NR	14:22	29.40	5.0	0.50	13	0.2	NA	0.04	NA	(0.03)	(0.04)	(0.4)
905(X)	7/30/92	NR	14:30	29.40	5.0	0.50	2.3	0.2	NA	0.03	NA	(0.03)	(0.04)	(0.4)
906	7/30/92	NR	13:54	29.40	2.5	0.50	20	0.4	NA	0.05	NA	(0.03)	(0.04)	(0.4)
907	8/07/92	NR	08:57	29.40	5.0	0.50	10	(0.001)	NA	0.02	NA	(0.03)	(0.02)	(0.2)
908	8/07/92	NR	08:46	29.40	5.0	0.50	30	(0.001)	NA	0.01	NA	(0.03)	(0.02)	(0.2)
909	8/06/92	NR	10:01	29.40	4.0	0.50	30	(0.001)	NA	0.2	NA	(0.03)	(0.02)	(0.2)
910	8/06/92	NR	09:40	29.40	4.5	0.50	30	(0.001)	NA	0.02	NA	(0.03)	(0.02)	(0.2)
911	8/06/92	NR	11:09	29.40	5.0	0.50	30	0.02	NA	0.08	NA	(0.03)	(0.02)	(0.2)
912	4/23/92	NR	13:19	29.35	5.0	0.50	30	(0.001)	NA	0.06	NA	(0.03)	(0.02)	(0.2)
913	4/23/92	NR	13:31	29.35	5.0	0.50	10	0.08	NA	0.04	NA	(0.03)	(0.02)	(0.2)
914	4/23/92	NR	16:12	29.35	5.0	0.50	30	0.06	NA	0.3	NA	(0.03)	(0.04)	(4)
915*	3/16/92	NR	13:37	29.35	5.0	0.50	1.7	(0.001)	NA	0.004	NA	(0.03)**	(0.02)**	(0.2)
916	3/16/92	NR	12:42	29.35	5.0	0.50	30	0.5	NA	0.05	NA	(0.03)**	(0.02)**	(0.2)
917	3/16/92	NR	09:43	29.35	5.0	0.50	30	0.8	NA	0.04	NA	(0.03)	(0.02)	(0.2)
918	3/13/92	NR	10:54	29.55	5.0	0.50	30	0.09	NA	0.03	NA	(0.03)	(0.02)	(0.2)
919*	3/13/92	NR	10:29	29.55	5.0	0.50	30	0.1	NA	0.009	NA	(0.03)	(0.02)	(0.2)
920	4/23/92	NR	14:24	29.35	5.0	0.50	30	0.02	NA	0.1	NA	(0.03)	(0.02)	(0.2)
921*	4/23/92	NR	14:36	29.35	5.0	0.50	30	(0.001)	NA	0.008	NA	(0.03)	(0.02)	(0.2)
922*	4/23/92	NR	14:52	29.35	5.0	0.50	3	0.004	NA	0.02	NA	(0.03)	(0.02)	(0.2)
923	4/23/92	NR	15:31	29.35	5.0	0.50	30	0.08	NA	0.2	NA	(0.03)	(0.08)	(0.8)
924	3/16/92	NR	15:15	29.35	5.0	0.50	30	0.3	NA	0.07	NA	(0.03)**	(0.08)**	(0.8)
925	3/16/92	NR	08:52	29.35	5.0	0.50	30	0.5	NA	0.03	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ' = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
901	8/04/92	NR	13:30	29.40	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	90
901(X)	8/04/92	NR	13:43	29.40	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	91
902	8/03/92	NR	15:16	29.35	3.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	610
903	7/30/92	NR	14:56	29.40	4.0	0.50	30	(0.4)**	(0.006)	(0.01)	(0.01)**	NA	NA	70
904	7/30/92	NR	14:41	29.40	3.0	0.50	30	(0.4)**	(0.006)	(0.01)	(0.01)**	NA	NA	22
905	7/30/92	NR	14:22	29.40	5.0	0.50	13	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	10
905(X)	7/30/92	NR	14:30	29.40	5.0	0.50	2.3	(0.4)	(0.006)	(0.01)	(0.01)	NA	NA	10
906	7/30/92	NR	13:54	29.40	2.5	0.50	20	(0.4)	(0.006)	(0.01)**	(0.01)	NA	NA	2
907	8/07/92	NR	08:57	29.40	5.0	0.50	10	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
908	8/07/92	NR	08:46	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
909	8/06/92	NR	10:01	29.40	4.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
910	8/06/92	NR	09:40	29.40	4.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.001)
911	8/06/92	NR	11:09	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
912	4/23/92	NR	13:19	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.5
913	4/23/92	NR	13:31	29.35	5.0	0.50	10	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.9
914	4/23/92	NR	16:12	29.35	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	220
915*	3/16/92	NR	13:37	29.35	5.0	0.50	1.7	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	52
916	3/16/92	NR	12:42	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	23
917	3/16/92	NR	09:43	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	8
918	3/13/92	NR	10:54	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.5
919*	3/13/92	NR	10:29	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.004
920	4/23/92	NR	14:24	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	0.8
921*	4/23/92	NR	14:36	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)**	NA	NA	(0.001)
922*	4/23/92	NR	14:52	29.35	5.0	0.50	3	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	46
923	4/23/92	NR	15:31	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	440
924	3/16/92	NR	15:15	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	35
925	3/16/92	NR	08:52	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
901	8/04/92	NR	13:30	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)	1.3	17.6	81.1	0.074
901(X)	8/04/92	NR	13:43	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)	1.2	18.6	80.2	0.065
902	8/03/92	NR	15:16	29.35	3.0	0.50	30	NA	NA	(0.1)	(0.01)	1.7	17.8	80.4	0.096
903	7/30/92	NR	14:56	29.40	4.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.0	18.9	80.1	0.053
904	7/30/92	NR	14:41	29.40	3.0	0.50	30	NA	NA	(0.1)	(0.01)**	1.3	17.4	81.2	0.075
905	7/30/92	NR	14:22	29.40	5.0	0.50	13	NA	NA	(0.1)	(0.01)	2.1	17.2	80.7	0.122
905(X)	7/30/92	NR	14:30	29.40	5.0	0.50	2.3	NA	NA	(0.1)	(0.01)	1.6	17.7	80.7	0.090
906	7/30/92	NR	13:54	29.40	2.5	0.50	20	NA	NA	(0.1)	(0.01)	1.8	18.6	79.6	0.097
907	8/07/92	NR	08:57	29.40	5.0	0.50	10	NA	NA	(0.1)	(0.01)	5.0	14.9	80.1	0.336
908	8/07/92	NR	08:46	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	2.4	16.1	81.5	0.149
909	8/06/92	NR	10:01	29.40	4.0	0.50	30	NA	NA	(0.1)	(0.01)	3.0	16.1	80.8	0.186
910	8/06/92	NR	09:40	29.40	4.5	0.50	30	NA	NA	(0.1)	(0.01)	1.6	18.5	79.9	0.086
911	8/06/92	NR	11:09	29.40	5.0	0.50	30	NA	NA	(0.1)	(0.01)	1.2	18.2	80.7	0.066
912	4/23/92	NR	13:19	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.2	19.0	79.9	0.063
913	4/23/92	NR	13:31	29.35	5.0	0.50	10	NA	NA	(.1)	(0.01)**	0.3	20.5	79.1	0.015
914	4/23/92	NR	16:12	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.7	78.4	0.043
915*	3/16/92	NR	13:37	29.35	5.0	0.50	1.7	NA	NA	(.1)	(0.01)	0.2	21.2	78.6	0.009
916	3/16/92	NR	12:42	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.4	78.0	0.028
917	3/16/92	NR	09:43	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	5.6	16.6	77.8	0.337
918	3/13/92	NR	10:54	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	10.3	11.0	78.7	0.936
919*	3/13/92	NR	10:29	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.2	21.2	78.6	0.009
920	4/23/92	NR	14:24	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.4	19.3	79.3	0.073
921*	4/23/92	NR	14:36	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.1	23.1	76.8	0.004
922*	4/23/92	NR	14:52	29.35	5.0	0.50	3	NA	NA	(.1)	(0.01)	0.2	21.9	77.9	0.009
923	4/23/92	NR	15:31	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.8	20.0	78.2	0.090
924	3/16/92	NR	15:15	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.3	78.9	0.039
925	3/16/92	NR	08:52	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.2	21.1	77.7	0.057

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
926	3/13/92	NR	12:46	29.50	5.0	0.69	NR	0.1	NA	(0.2)**	NA	0.07	0.002	(0.1)
927	3/13/92	NR	12:07	29.55	5.0	0.50	30	0.08	NA	(0.2)**	NA	0.2	0.003	(0.1)
928(X)	3/13/92	NR	13:46	29.50	5.0	0.23	-	0.8	NA	(0.2)	NA	0.1	0.004	(0.1)
928	3/13/92	NR	13:59	29.50	5.0	0.69	NR	0.6	NA	(0.2)**	NA	0.1	0.004	(0.1)
929	3/13/92	NR	14:25	29.50	5.0	0.50	30	1	NA	(0.2)**	NA	0.1	0.004	(0.1)
930	3/13/92	NR	10:12	29.55	5.0	0.50	30	0.06	NA	(0.2)	NA	0.05	0.002	(0.1)
931	5/19/93	14:29	14:29	29.40	5.0	0.25	60	0.008	NA	(1)	NA	0.28	(0.001)	(1)
932	5/19/93	13:45	13:45	29.40	3.0	0.25	30	0.01	NA	(1)	NA	0.26	(0.001)	(1)
932(X)	5/19/93	13:47	13:55	29.40	3.0	0.25	30	0.01	NA	(1)	NA	0.24	(0.001)	(1)
933	3/16/92	NR	15:30	29.35	5.0	0.50	30	0.06	NA	(0.7)	NA	.8	(0.0004)	(0.4)
934	3/16/92	NR	15:52	29.35	5.0	0.50	30	0.01	NA	(0.7)	NA	.07	0.002	(0.4)
935	3/16/92	NR	16:38	29.35	5.0	0.50	30	0.03	NA	(0.2)	NA	.05	0.003	(0.1)
936	3/18/92	NR	11:43	29.40	5.0	0.50	0.4	0.04	NA	(0.2)	NA	0.04	0.001	(0.1)
937	3/13/92	NR	09:59	29.50	5.0	0.50	30	0.02	NA	(0.2)	NA	0.03	0.002	(0.1)
938	4/10/92	NR	16:40	29.40	5.0	0.50	30	0.1	NA	(0.7)	NA	0.3	0.4	(0.4)
939	4/10/92	NR	16:56	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.1	0.2	(0.1)
940	4/10/92	NR	16:04	29.40	5.0	0.50	30	0.6	NA	(0.7)	NA	3	4	(0.4)
941	4/24/92	NR	08:28	29.40	5.0	0.50	1.5	0.07	NA	(0.2)	NA	0.08	0.06	(0.1)
942	4/15/92	NR	16:00	29.40	5.0	0.50	30	8	NA	(9)	NA	100	4	(5)
943	4/16/92	NR	08:42	29.45	4.5	0.50	30	3	NA	(9)	NA	100	2	(5)
944	4/16/92	NR	08:27	29.45	5.0	0.50	30	0.8	NA	(0.7)	NA	12	0.6	(0.4)
945	4/15/92	NR	16:20	29.40	5.0	0.50	10	9	NA	(9)	NA	60	4	(5)
946	4/16/92	NR	08:57	29.45	5.0	0.50	30	3	NA	(9)	NA	58	2	(5)
947	4/16/92	NR	09:10	29.45	5.0	0.50	30	0.7	NA	(0.7)	NA	6	0.5	(0.4)
948	4/15/92	NR	16:43	29.40	5.0	0.50	30	8	NA	(9)	NA	85	6	(5)
949	4/16/92	NR	09:42	29.45	5.0	0.50	30	2	NA	(0.7)	NA	6	1	(0.4)
950	4/24/92	NR	09:40	29.40	5.0	0.50	30	2	NA	(0.7)	NA	0.1	0.09	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
926	3/13/92	NR	12:46	29.50	5.0	0.69	NR	0.4	NA	0.01	NA	(0.03)**	(0.02)**	(0.2)
927	3/13/92	NR	12:07	29.55	5.0	0.50	30	2	NA	0.05	NA	(0.03)	(0.02)**	(0.2)
928(X)	3/13/92	NR	13:46	29.50	5.0	0.23	-	1	NA	0.02	NA	(0.03)	(0.02)	(0.2)
928	3/13/92	NR	13:59	29.50	5.0	0.69	NR	3	NA	0.06	NA	(0.03)**	(0.02)**	(0.2)
929	3/13/92	NR	14:25	29.50	5.0	0.50	30	4	NA	0.08	NA	(0.03)**	(0.02)**	(0.2)
930	3/13/92	NR	10:12	29.55	5.0	0.50	30	0.3	NA	0.05	NA	(0.03)	(0.02)	(0.2)
931	5/19/93	14:29	14:29	29.40	5.0	0.25	60	0.01	NA	0.029	NA	(1)	(1)	(1)
932	5/19/93	13:45	13:45	29.40	3.0	0.25	30	(0.01)	NA	0.034	NA	(1)	(1)	(1)
932(X)	5/19/93	13:47	13:55	29.40	3.0	0.25	30	(0.01)	NA	0.028	NA	(1)	(1)	(1)
933	3/16/92	NR	15:30	29.35	5.0	0.50	30	(0.005)	NA	0.07	NA	(0.03)**	(0.08)**	(0.8)
934	3/16/92	NR	15:52	29.35	5.0	0.50	30	0.1	NA	0.03	NA	(0.03)**	(0.08)**	(0.8)
935	3/16/92	NR	16:38	29.35	5.0	0.50	30	1	NA	0.05	NA	(0.03)**	(0.02)**	(0.2)
936	3/18/92	NR	11:43	29.40	5.0	0.50	0.4	0.08	NA	0.008	NA	(0.03)	(0.02)	(0.2)
937	3/13/92	NR	09:59	29.50	5.0	0.50	30	0.03	NA	0.02	NA	(0.03)	(0.02)	(0.2)
938	4/10/92	NR	16:40	29.40	5.0	0.50	30	0.4	NA	0.01	NA	(0.03)**	(0.08)	(0.8)
939	4/10/92	NR	16:56	29.40	5.0	0.50	30	0.6	NA	0.01	NA	(0.03)	(0.02)	(0.2)
940	4/10/92	NR	16:04	29.40	5.0	0.50	30	16	NA	0.2	NA	(0.03)**	(0.08)	(0.8)
941	4/24/92	NR	08:28	29.40	5.0	0.50	1.5	0.6	NA	0.02	NA	(0.03)	(0.02)	(0.2)
942	4/15/92	NR	16:00	29.40	5.0	0.50	30	30	NA	31	NA	(0.03)	(1)	(10)
943	4/16/92	NR	08:42	29.45	4.5	0.50	30	11	NA	12	NA	(0.03)	(1)	(10)
944	4/16/92	NR	08:27	29.45	5.0	0.50	30	0.8	NA	1	NA	(0.03)	(0.08)	(0.8)
945	4/15/92	NR	16:20	29.40	5.0	0.50	10	26	NA	19	NA	(0.03)	(1)	(10)
946	4/16/92	NR	08:57	29.45	5.0	0.50	30	4	NA	4	NA	(0.03)	(1)**	(10)
947	4/16/92	NR	09:10	29.45	5.0	0.50	30	0.3	NA	1	NA	(0.03)	(0.08)**	(0.8)
948	4/15/92	NR	16:43	29.40	5.0	0.50	30	17	NA	14	NA	(0.03)	(1)	(10)
949	4/16/92	NR	09:42	29.45	5.0	0.50	30	1	NA	2	NA	(0.03)	(0.08)**	(0.8)
950	4/24/92	NR	09:40	29.40	5.0	0.50	30	0.05	NA	1	NA	(0.03)	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
926	3/13/92	NR	12:46	29.50	5.0	0.69	NR	(0.2)	(0.006)**	(0.01)**	(0.01)	NA	NA	0.4
927	3/13/92	NR	12:07	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	1
928(X)	3/13/92	NR	13:46	29.50	5.0	0.23	-	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.6
928	3/13/92	NR	13:59	29.50	5.0	0.69	NR	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.5
929	3/13/92	NR	14:25	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
930	3/13/92	NR	10:12	29.55	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.1
931	5/19/93	14:29	14:29	29.40	5.0	0.25	60	(1)	(1)	(1)	(1)	NA	NA	3
932	5/19/93	13:45	13:45	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	5.7
932(X)	5/19/93	13:47	13:55	29.40	3.0	0.25	30	(1)	(1)	(1)	(1)	NA	NA	5.5
933	3/16/92	NR	15:30	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	26
934	3/16/92	NR	15:52	29.35	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.6
935	3/16/92	NR	16:38	29.35	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
936	3/18/92	NR	11:43	29.40	5.0	0.50	0.4	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.04
937	3/13/92	NR	09:59	29.50	5.0	0.50	30	(0.2)	(0.006)**	(0.01)	(0.01)**	NA	NA	0.02
938	4/10/92	NR	16:40	29.40	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	3
939	4/10/92	NR	16:56	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	1
940	4/10/92	NR	16:04	29.40	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	15
941	4/24/92	NR	08:28	29.40	5.0	0.50	1.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
942	4/15/92	NR	16:00	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)**	(0.01)	NA	NA	110
943	4/16/92	NR	08:42	29.45	4.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	45
944	4/16/92	NR	08:27	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	9
945	4/15/92	NR	16:20	29.40	5.0	0.50	10	(10)	(0.006)	(0.01)**	(0.01)	NA	NA	110
946	4/16/92	NR	08:57	29.45	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	28
947	4/16/92	NR	09:10	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	8
948	4/15/92	NR	16:43	29.40	5.0	0.50	30	(10)	(0.006)	(0.01)**	(0.01)	NA	NA	71
949	4/16/92	NR	09:42	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	17
950	4/24/92	NR	09:40	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	4

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
926	3/13/92	NR	12:46	29.50	5.0	0.69	NR	NA	NA	(.1)	(0.01)**	1.3	19.4	79.3	0.067
927	3/13/92	NR	12:07	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	4.6	16.3	79.1	0.282
928(X)	3/13/92	NR	13:46	29.50	5.0	0.23	-	NA	NA	(.1)	(0.01)	5.6	16.0	78.4	0.350
928	3/13/92	NR	13:59	29.50	5.0	0.69	NR	NA	NA	(.1)	(0.01)**	4.2	17.0	78.8	0.247
929	3/13/92	NR	14:25	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.2	18.4	79.4	0.120
930	3/13/92	NR	10:12	29.55	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.3	20.2	78.5	0.064
931	5/19/93	14:29	14:29	29.40	5.0	0.25	60	NA	NA	(0.1)	(1)	1.0	18.8	80.2	0.053
932	5/19/93	13:45	13:45	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	0.8	18.4	80.7	0.043
932(X)	5/19/93	13:47	13:55	29.40	3.0	0.25	30	NA	NA	(0.1)	(1)	0.8	18.3	80.9	0.044
933	3/16/92	NR	15:30	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	19.4	78.6	0.103
934	3/16/92	NR	15:52	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.6	20.2	79.2	0.030
935	3/16/92	NR	16:38	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.0	20.4	78.6	0.049
936	3/18/92	NR	11:43	29.40	5.0	0.50	0.4	NA	NA	(.1)	(0.01)	0.3	21.0	78.7	0.014
937	3/13/92	NR	09:59	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.7	20.8	78.5	0.034
938	4/10/92	NR	16:40	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.2	20.1	79.7	0.010
939	4/10/92	NR	16:56	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.1	17.7	81.2	0.062
940	4/10/92	NR	16:04	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	3	14.1	82.8	0.213
941	4/24/92	NR	08:28	29.40	5.0	0.50	1.5	NA	NA	(.1)	(0.01)	0.8	20.6	78.6	0.039
942	4/15/92	NR	16:00	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	19.8	79.7	0.025
943	4/16/92	NR	08:42	29.45	4.5	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.0	79.7	0.015
944	4/16/92	NR	08:27	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.8	79.0	0.014
945	4/15/92	NR	16:20	29.40	5.0	0.50	10	NA	NA	(.1)	(0.01)**	0.4	20.9	78.7	0.019
946	4/16/92	NR	08:57	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	20.5	79.2	0.015
947	4/16/92	NR	09:10	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.3	19.7	80.0	0.015
948	4/15/92	NR	16:43	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.3	19.9	79.8	0.015
949	4/16/92	NR	09:42	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	19.9	79.6	0.030
950	4/24/92	NR	09:40	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.5	19.4	79.0	0.077

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
951	4/24/92	NR	09:52	29.40	5.0	0.50	30	0.8	NA	(0.7)	NA	0.1	0.007	(0.4)
952	4/24/92	NR	10:04	29.40	5.0	0.50	30	2	NA	(0.7)	NA	2	0.3	(0.4)
953*	4/24/92	NR	10:17	29.40	5.0	0.50	30	1	NA	(0.7)	NA	2	0.4	(0.4)
954	4/24/92	NR	08:42	29.40	5.0	0.50	30	0.6	NA	(0.2)	NA	0.08	0.2	(0.1)
955	4/24/92	NR	08:55	29.40	5.0	0.50	30	0.8	NA	(0.7)	NA	0.1	0.4	(0.4)
956	4/24/92	NR	09:08	29.40	5.0	0.50	30	2	NA	(0.7)	NA	0.07	0.04	(0.4)
957	5/07/92	NR	15:14	29.45	5.0	0.50	7.5	240	NA	(0.2)	NA	0.2	0.02	(0.1)
960	5/07/92	NR	15:37	29.45	9.0	0.50	30	7	NA	(0.7)	NA	3	0.2	(0.4)
960(X)	5/07/92	NR	15:49	29.45	9.0	0.50	30	6	NA	(0.7)	NA	3	0.2	(0.4)
961	4/24/92	NR	11:09	29.35	4.5	0.50	30	10	NA	(4)	NA	29	5	(2)
964	4/29/92	NR	08:43	29.45	5.0	0.50	-	4	NA	(9)	NA	9	1	(5)
965	4/29/92	NR	08:57	29.45	5.0	0.50	30	5	NA	(2)	NA	2	0.9	(1)
983	4/29/92	NR	12:44	29.45	5.0	0.50	30	0.08	NA	(0.7)	NA	0.1	0.002	(0.4)
984	4/28/92	NR	11:22	29.45	5.0	0.50	30	0.1	NA	(0.7)	NA	0.1	(0.0004)	(0.4)
985	4/28/92	NR	11:06	29.45	5.0	0.50	30	0.3	NA	(0.7)	NA	0.2	(0.0004)	(0.4)
987	4/28/92	NR	10:35	29.45	5.0	0.50	30	0.2	NA	(0.2)	NA	0.06	0.006	(0.1)
989	4/28/92	NR	09:54	29.45	5.0	0.50	30	0.07	NA	(0.7)	NA	0.05	(0.0004)	(0.4)
990	4/28/92	NR	10:48	29.45	5.0	0.50	30	4	NA	(0.2)	NA	1	0.001	(0.1)
991	5/06/92	NR	09:49	29.35	5.0	0.50	30	0.2	NA	(0.2)	NA	0.2	0.004	(0.1)
992	4/28/92	NR	09:06	29.45	2.5	0.50	30	(0.2)	NA	2	NA	3	29	(0.1)
995	4/28/92	NR	09:32	29.45	5.0	0.50	30	3	NA	(0.7)	NA	0.005	0.2	(0.4)
996	4/30/92	NR	09:32	29.40	5.0	0.50	30	3	NA	(0.7)	NA	0.09	0.2	(0.4)
997	5/06/92	NR	09:10	29.35	5.0	0.50	30	3	NA	(0.7)	NA	0.04	0.1	(0.4)
998	4/28/92	NR	08:46	29.45	5.0	0.50	30	2	NA	(0.7)	NA	0.1	0.3	(0.4)
999	5/06/92	NR	08:48	29.35	5.0	0.50	30	4	NA	(0.7)	NA	0.03	0.3	(0.4)
1000	4/23/92	NR	16:33	29.35	2.5	0.50	30	0.2	NA	(0.2)	NA	0.1	0.002	(0.1)
1001	4/23/92	NR	10:11	29.40	5.0	0.50	30	0.2	NA	(0.2)	NA	0.3	0.0001	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. - = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
951	4/24/92	NR	09:52	29.40	5.0	0.50	30	(0.005)	NA	0.03	NA	(0.03)	(0.08)	(0.8)
952	4/24/92	NR	10:04	29.40	5.0	0.50	30	0.3	NA	0.3	NA	(0.03)**	(0.08)	(0.8)
953*	4/24/92	NR	10:17	29.40	5.0	0.50	30	0.3	NA	0.2	NA	(0.03)**	(0.08)	(0.8)
954	4/24/92	NR	08:42	29.40	5.0	0.50	30	0.3	NA	0.02	NA	(0.03)	(0.02)	(0.2)
955	4/24/92	NR	08:55	29.40	5.0	0.50	30	0.3	NA	0.05	NA	(0.03)	(0.08)	(0.8)
956	4/24/92	NR	09:08	29.40	5.0	0.50	30	0.04	NA	0.03	NA	(0.03)	(0.08)	(0.8)
957	5/07/92	NR	15:14	29.45	5.0	0.50	7.5	0.5	NA	0.08	NA	(0.03)**	(0.02)	(0.2)
960	5/07/92	NR	15:37	29.45	9.0	0.50	30	0.5	NA	0.2	NA	(0.03)**	(0.08)	(0.8)
960(X)	5/07/92	NR	15:49	29.45	9.0	0.50	30	0.4	NA	0.2	NA	(0.03)	(0.08)	(0.8)
961	4/24/92	NR	11:09	29.35	4.5	0.50	30	8	NA	0.6	NA	(0.03)**	(0.4)	(4)
964	4/29/92	NR	08:43	29.45	5.0	0.50	-	5	NA	1	NA	(0.03)	(1)	(10)
965	4/29/92	NR	08:57	29.45	5.0	0.50	30	8	NA	0.2**	NA	(0.03)	(0.02)	(2)
983	4/29/92	NR	12:44	29.45	5.0	0.50	30	7	NA	0.3**	NA	(0.03)	(0.08)	(0.8)
984	4/28/92	NR	11:22	29.45	5.0	0.50	30	0.1	NA	0.5	NA	(0.03)	(0.08)	(0.8)
985	4/28/92	NR	11:06	29.45	5.0	0.50	30	1	NA	0.4	NA	(0.03)	(0.08)	(0.8)
987	4/28/92	NR	10:35	29.45	5.0	0.50	30	0.7	NA	0.04	NA	(0.03)	(0.02)	(0.2)
989	4/28/92	NR	09:54	29.45	5.0	0.50	30	(0.005)	NA	0.006	NA	(0.03)	(0.08)	(0.8)
990	4/28/92	NR	10:48	29.45	5.0	0.50	30	0.08	NA	0.009	NA	(0.03)	(0.02)	(0.2)
991	5/06/92	NR	09:49	29.35	5.0	0.50	30	0.07	NA	0.01	NA	(0.03)	(0.02)	(0.2)
992	4/28/92	NR	09:06	29.45	2.5	0.50	30	5	NA	0.8	NA	(0.03)	(0.2)	2
995	4/28/92	NR	09:32	29.45	5.0	0.50	30	0.1	NA	2	NA	(0.03)	(0.08)	(0.8)
996	4/30/92	NR	09:32	29.40	5.0	0.50	30	0.04	NA	1	NA	(0.03)	(0.08)	(0.8)
997	5/06/92	NR	09:10	29.35	5.0	0.50	30	(0.005)	NA	3	NA	(0.03)	(0.08)	(0.8)
998	4/28/92	NR	08:46	29.45	5.0	0.50	30	(0.005)	NA	2	NA	(0.03)	(0.08)	(0.8)
999	5/06/92	NR	08:48	29.35	5.0	0.50	30	(0.005)	NA	2	NA	(0.03)	(0.08)	(0.8)
1000	4/23/92	NR	16:33	29.35	2.5	0.50	30	(0.001)	NA	0.08	NA	(0.03)	(0.02)	(0.2)
1001	4/23/92	NR	10:11	29.40	5.0	0.50	30	0.1	NA	0.1	NA	(0.03)	(0.02)	(0.2)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
951	4/24/92	NR	09:52	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
952	4/24/92	NR	10:04	29.40	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	52
953*	4/24/92	NR	10:17	29.40	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)	NA	NA	55
954	4/24/92	NR	08:42	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
955	4/24/92	NR	08:55	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	5
956	4/24/92	NR	09:08	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	3
957	5/07/92	NR	15:14	29.45	5.0	0.50	7.5	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	4
960	5/07/92	NR	15:37	29.45	9.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	150
960(X)	5/07/92	NR	15:49	29.45	9.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	140
961	4/24/92	NR	11:09	29.35	4.5	0.50	30	(4)	(0.006)**	(0.01)**	(0.01)	NA	NA	610
964	4/29/92	NR	08:43	29.45	5.0	0.50	-	(10)	(0.006)	(0.01)	(0.01)	NA	NA	290
965	4/29/92	NR	08:57	29.45	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	100
983	4/29/92	NR	12:44	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
984	4/28/92	NR	11:22	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
985	4/28/92	NR	11:06	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
987	4/28/92	NR	10:35	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.6
989	4/28/92	NR	09:54	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.3
990	4/28/92	NR	10:48	29.45	5.0	0.50	30	(0.2)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.2
991	5/06/92	NR	09:49	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
992	4/28/92	NR	09:06	29.45	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	8
995	4/28/92	NR	09:32	29.45	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	13
996	4/30/92	NR	09:32	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	10
997	5/06/92	NR	09:10	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	9
998	4/28/92	NR	08:46	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	8
999	5/06/92	NR	08:48	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	14
1000	4/23/92	NR	16:33	29.35	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.4
1001	4/23/92	NR	10:11	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.4

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
951	4/24/92	NR	09:52	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.2	20.8	78.1	0.058
952	4/24/92	NR	10:04	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.9	78.6	0.024
953*	4/24/92	NR	10:17	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.2	20.6	79.2	0.010
954	4/24/92	NR	08:42	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.6	15.4	81.7	0.169
955	4/24/92	NR	08:55	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.0	15.6	82.4	0.128
956	4/24/92	NR	09:08	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	2.6	18.2	79.1	0.143
957	5/07/92	NR	15:14	29.45	5.0	0.50	7.5	NA	NA	(.1)	(0.01)	2.5	18.6	78.9	0.134
960	5/07/92	NR	15:37	29.45	9.0	0.50	30	NA	NA	(.1)	(0.01)	4.9	15.0	80.1	0.327
960(X)	5/07/92	NR	15:49	29.45	9.0	0.50	30	NA	NA	(.1)	(0.01)	5.0	14.9	80.1	0.336
961	4/24/92	NR	11:09	29.35	4.5	0.50	30	NA	NA	(.1)	(0.01)	1.1	18.8	80.1	0.059
964	4/29/92	NR	08:43	29.45	5.0	0.50	-	NA	NA	(.1)	(0.01)	1.1	19.1	79.8	0.058
965	4/29/92	NR	08:57	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.5	78.9	0.029
983	4/29/92	NR	12:44	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.5	19.5	79.0	0.077
984	4/28/92	NR	11:22	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.6	20.5	78.0	0.078
985	4/28/92	NR	11:06	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.0	19.9	79.1	0.050
987	4/28/92	NR	10:35	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.6	19.2	79.3	0.083
989	4/28/92	NR	09:54	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.6	19.0	79.3	0.084
990	4/28/92	NR	10:48	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.0	20.7	78.2	0.048
991	5/06/92	NR	09:49	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	19.8	78.2	0.101
992	4/28/92	NR	09:06	29.45	2.5	0.50	30	NA	NA	(.1)	(0.01)	2.2	16.9	80.9	0.130
995	4/28/92	NR	09:32	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.7	18.0	80.3	0.094
996	4/30/92	NR	09:32	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	4.0	15.9	80.1	0.252
997	5/06/92	NR	09:10	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	3.1	15.6	81.3	0.199
998	4/28/92	NR	08:46	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	18.0	80.3	0.094
999	5/06/92	NR	08:48	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	3.1	15.8	81.0	0.196
1000	4/23/92	NR	16:33	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)	1.3	18.7	80.0	0.070
1001	4/23/92	NR	10:11	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.7	17.7	79.6	0.153

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. - = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
1002	4/23/92	NR	10:37	29.40	2.5	0.50	30	0.5	NA	(0.2)	NA	0.7	0.001	(0.1)
1003	4/23/92	NR	10:23	29.40	4.0	0.50	30	0.2	NA	0.6	NA	0.7	(0.0001)	(0.1)
1004	4/22/92	NR	15:41	29.30	5.0	0.50	30	0.04	NA	(0.7)	NA	0.07	0.001	(0.4)
1005	4/22/92	NR	15:29	29.30	5.0	0.50	30	0.1	NA	(0.7)	NA	0.1	(0.0004)	(0.4)
1006	4/22/92	NR	15:17	29.35	5.0	0.50	30	0.1	NA	(0.7)	NA	0.03	(0.0004)	(0.4)
1007	4/22/92	NR	15:54	29.30	5.0	0.50	30	0.04	NA	(0.7)	NA	0.06	0.004	(0.4)
1007(X)	4/22/92	NR	16:06	29.30	5.0	0.50	30	0.05	NA	(0.7)	NA	0.05	0.004	(0.4)
1009	5/06/92	NR	11:34	29.35	5.0	0.50	30	0.1	NA	(0.2)	NA	0.02	0.004	(0.1)
1011	4/23/92	NR	09:57	29.40	5.0	0.50	30	0.02	NA	(0.7)	NA	0.07	(0.0004)	(0.4)
1012	4/23/92	NR	09:14	29.40	5.0	0.50	30	0.03	NA	(0.7)	NA	0.1	0.0005	(0.4)
1013	4/22/92	NR	14:37	29.35	5.0	0.50	30	0.05	NA	(2)	NA	0.03	0.008	(1)
1015	4/23/92	NR	08:36	29.40	5.0	0.50	30	0.02	NA	(0.2)	NA	0.06	0.0009	(0.1)
1016	4/23/92	NR	09:02	29.40	5.0	0.50	30	0.03	NA	(0.7)	NA	0.06	0.001	(0.4)
1017	4/23/92	NR	08:50	29.40	5.0	0.50	30	0.04	NA	(0.7)	NA	0.04	0.004	(0.4)
1018	4/27/92	NR	14:29	29.50	4.0	0.50	30	5**	NA	(0.7)**	NA	0.05	2	(0.4)**
1020	4/27/92	NR	14:43	29.50	2.5	0.50	30	13**	NA	(2)**	NA	0.1	4	(1)**
1021	4/27/92	NR	17:01	29.45	2.5	0.50	30	2	NA	(0.7)	NA	2	0.6	(0.4)**
1023	4/27/92	NR	15:18	29.50	2.5	0.50	30	22**	NA	(0.7)**	NA	0.2	9	(0.4)**
1025	4/27/92	NR	15:44	29.50	5.0	0.50	30	37**	NA	(2)**	NA	0.5	10	(1)**
1027	4/27/92	NR	15:58	29.50	5.0	0.50	30	45	NA	(2)	NA	0.3	14	(1)**
1028	4/27/92	NR	16:11	29.50	5.0	0.50	30	1	NA	(0.7)	NA	0.04	(0.0004)	(0.4)**
1029	4/27/92	NR	16:44	29.50	5.0	0.50	30	10	NA	(4)	NA	0.2	3	(2)**
1033	4/29/92	NR	09:22	29.45	5.0	0.50	30	6	NA	(0.7)	NA	0.6	0.8	(0.4)
1034	4/29/92	NR	09:34	29.45	5.0	0.50	30	8	NA	(0.7)	NA	1	0.8	(0.4)
1036	4/29/92	NR	10:09	29.45	5.0	0.50	30	18	NA	(0.7)	NA	6	0.4	(0.4)
1038	4/29/92	NR	10:24	29.45	5.0	0.50	30	15	NA	(0.7)	NA	10	1	(0.4)
1039	5/06/92	NR	13:54	29.35	5.0	0.50	30	10	NA	(4)	NA	14	1	18

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
1002	4/23/92	NR	10:37	29.40	2.5	0.50	30	4	NA	0.5	NA	(0.03)	(0.02)	(0.2)
1003	4/23/92	NR	10:23	29.40	4.0	0.50	30	1	NA	0.2	NA	(0.03)	(0.02)	0.8
1004	4/22/92	NR	15:41	29.30	5.0	0.50	30	2	NA	0.009	NA	(0.03)**	(0.08)	(0.8)
1005	4/22/92	NR	15:29	29.30	5.0	0.50	30	3	NA	0.003	NA	(0.03)**	(0.08)	(0.8)
1006	4/22/92	NR	15:17	29.35	5.0	0.50	30	0.08	NA	0.003	NA	(0.03)**	(0.08)	(0.8)
1007	4/22/92	NR	15:54	29.30	5.0	0.50	30	0.8	NA	0.02	NA	(0.03)**	(0.08)	(0.8)
1007(X)	4/22/92	NR	16:06	29.30	5.0	0.50	30	0.5	NA	0.02	NA	(0.03)	(0.08)	(0.8)
1009	5/06/92	NR	11:34	29.35	5.0	0.50	30	0.006	NA	0.004	NA	(0.03)	(0.02)	(0.2)
1011	4/23/92	NR	09:57	29.40	5.0	0.50	30	6	NA	0.4	NA	(0.03)	(0.08)	(0.8)
1012	4/23/92	NR	09:14	29.40	5.0	0.50	30	65	NA	0.4	NA	(0.03)	(0.08)	(0.8)
1013	4/22/92	NR	14:37	29.35	5.0	0.50	30	2	NA	0.01	NA	(0.03)**	(0.2)	(2)
1015	4/23/92	NR	08:36	29.40	5.0	0.50	30	2	NA	0.04	NA	(0.03)	(0.08)	(0.2)
1016	4/23/92	NR	09:02	29.40	5.0	0.50	30	7	NA	0.04	NA	(0.03)	(0.08)	(0.8)
1017	4/23/92	NR	08:50	29.40	5.0	0.50	30	4	NA	0.02	NA	(0.03)	(0.08)	(0.8)
1018	4/27/92	NR	14:29	29.50	4.0	0.50	30	8	NA	0.1	NA	(0.03)	(0.08)	(0.8)
1020	4/27/92	NR	14:43	29.50	2.5	0.50	30	16	NA	0.2	NA	(0.03)	(0.2)	(2)
1021	4/27/92	NR	17:01	29.45	2.5	0.50	30	1	NA	0.2	NA	(0.03)**	(0.08)	(0.8)
1023	4/27/92	NR	15:18	29.50	2.5	0.50	30	64	NA	0.4	NA	(0.03)	(0.08)	(0.8)
1025	4/27/92	NR	15:44	29.50	5.0	0.50	30	67	NA	0.3	NA	(0.03)	(0.2)	(2)
1027	4/27/92	NR	15:58	29.50	5.0	0.50	30	140	NA	2	NA	(0.03)	(0.2)	(2)
1028	4/27/92	NR	16:11	29.50	5.0	0.50	30	0.2	NA	0.04	NA	(0.03)	(0.08)	(0.8)
1029	4/27/92	NR	16:44	29.50	5.0	0.50	30	2	NA	0.1	NA	(0.03)	(0.4)	(4)
1033	4/29/92	NR	09:22	29.45	5.0	0.50	30	12	NA	6**	NA	(0.03)	(0.08)	(0.8)
1034	4/29/92	NR	09:34	29.45	5.0	0.50	30	29	NA	3**	NA	(0.03)	(0.08)	(0.8)
1036	4/29/92	NR	10:09	29.45	5.0	0.50	30	17	NA	1**	NA	(0.03)	(0.08)	(0.8)
1038	4/29/92	NR	10:24	29.45	5.0	0.50	30	15	NA	5**	NA	(0.03)	(0.08)	(0.8)
1039	5/06/92	NR	13:54	29.35	5.0	0.50	30	6	NA	8	NA	(0.03)	(0.4)	(4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
1002	4/23/92	NR	10:37	29.40	2.5	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.8
1003	4/23/92	NR	10:23	29.40	4.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.5
1004	4/22/92	NR	15:41	29.30	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1005	4/22/92	NR	15:29	29.30	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1006	4/22/92	NR	15:17	29.35	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1007	4/22/92	NR	15:54	29.30	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1007(X)	4/22/92	NR	16:06	29.30	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1009	5/06/92	NR	11:34	29.35	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
1011	4/23/92	NR	09:57	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1012	4/23/92	NR	09:14	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.05
1013	4/22/92	NR	14:37	29.35	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	(0.01)
1015	4/23/92	NR	08:36	29.40	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.05
1016	4/23/92	NR	09:02	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.03
1017	4/23/92	NR	08:50	29.40	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1018	4/27/92	NR	14:29	29.50	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	4
1020	4/27/92	NR	14:43	29.50	2.5	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	8
1021	4/27/92	NR	17:01	29.45	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	93
1023	4/27/92	NR	15:18	29.50	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	21
1025	4/27/92	NR	15:44	29.50	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	64
1027	4/27/92	NR	15:58	29.50	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	95
1028	4/27/92	NR	16:11	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	20
1029	4/27/92	NR	16:44	29.50	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	34
1033	4/29/92	NR	09:22	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	19
1034	4/29/92	NR	09:34	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	27
1036	4/29/92	NR	10:09	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	29
1038	4/29/92	NR	10:24	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	68
1039	5/06/92	NR	13:54	29.35	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	1100

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
1002	4/23/92	NR	10:37	29.40	2.5	0.50	30	NA	NA	(.1)	(0.01)	1.3	18.2	80.4	0.071
1003	4/23/92	NR	10:23	29.40	4.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	17.2	81.2	0.093
1004	4/22/92	NR	15:41	29.30	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	21.3	78.1	0.028
1005	4/22/92	NR	15:29	29.30	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	19.5	80.1	0.026
1006	4/22/92	NR	15:17	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.4	20.8	78.8	0.019
1007	4/22/92	NR	15:54	29.30	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.6	78.9	0.024
1007(X)	4/22/92	NR	16:06	29.30	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.2	79.2	0.025
1009	5/06/92	NR	11:34	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.7	20.1	78.2	0.085
1011	4/23/92	NR	09:57	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.8	79.3	0.051
1012	4/23/92	NR	09:14	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.4	18.2	80.4	0.077
1013	4/22/92	NR	14:37	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.5	78.8	0.034
1015	4/23/92	NR	08:36	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.4	79.0	0.029
1016	4/23/92	NR	09:02	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.3	78.9	0.039
1017	4/23/92	NR	08:50	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.8	19.6	78.7	0.092
1018	4/27/92	NR	14:29	29.50	4.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	21.1	78.4	0.024
1020	4/27/92	NR	14:43	29.50	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.7	20.1	79.2	0.035
1021	4/27/92	NR	17:01	29.45	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.4	22.0	77.5	0.018
1023	4/27/92	NR	15:18	29.50	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.9	19.4	79.7	0.046
1025	4/27/92	NR	15:44	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.3	18.6	80.1	0.070
1027	4/27/92	NR	15:58	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.2	17.5	80.4	0.126
1028	4/27/92	NR	16:11	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	8.0	1.9	69.4	4.211
1029	4/27/92	NR	16:44	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.5	79.5	0.051
1033	4/29/92	NR	09:22	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.0	19.8	79.1	0.051
1034	4/29/92	NR	09:34	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.4	18.7	79.0	0.128
1036	4/29/92	NR	10:09	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	21.1	78.3	0.024
1038	4/29/92	NR	10:24	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.3	78.8	0.044
1039	5/06/92	NR	13:54	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.0	79.1	0.045

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ' = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
1040	4/29/92	NR	10:38	29.45	5.0	0.50	30	110	NA	(9)	NA	64	3	(5)
1041	4/29/92	NR	10:56	29.45	5.0	0.50	30	17	NA	(9)	NA	41	4	(5)
1043	4/29/92	NR	11:45	29.45	5.0	0.50	30	16	NA	(4)	NA	22	4	(2)
1046	4/29/92	NR	12:01	29.45	5.0	0.50	30	6	NA	(0.7)	NA	22	2	(0.4)
1046(X)	4/29/92	NR	12:13	29.45	5.0	0.50	30	7	NA	(0.7)	NA	29	3	(0.4)
1047*	4/29/92	NR	12:27	29.45	2.5	0.50	30	0.05	NA	(0.7)	NA	0.2	0.02	(0.4)
1052	5/07/92	NR	17:08	29.40	5.0	0.50	30	0.2	NA	(4)	NA	1	0.009	(2)
1055	5/06/92	NR	14:23	29.35	5.0	0.50	30	0.3	NA	(4)	NA	2	(0.002)	(2)
1055(X)	5/06/92	NR	14:35	29.35	5.0	0.50	30	0.3	NA	(4)	NA	3	(0.002)	(2)
1059	5/07/92	NR	16:20	29.40	5.0	0.50	30	0.07	NA	(4)	NA	0.5	(0.002)	(2)
1060	5/07/92	NR	16:50	29.40	5.0	0.50	30	0.3	NA	(4)	NA	2	(0.002)	(2)
1063	4/30/92	NR	16:17	29.35	5.0	0.50	2	0.1	NA	(0.7)	NA	0.1	0.2	(0.4)
1064	4/30/92	NR	15:55	29.35	3.5	0.50	30	7	NA	(9)	NA	14	2	(5)
1066	5/06/92	NR	10:59	29.35	5.0	0.50	30	1	NA	(2)	NA	2	15	(1)
1068	5/15/92	NR	12:16	29.40	5.0	0.50	6	0.1	NA	(0.2)	NA	0.08	0.0002	(0.1)
1069A	5/15/92	NR	14:09	29.35	2.5	0.50	30	6	NA	(10)	NA	3	26	(5)
1070	5/07/92	NR	09:36	29.50	4.0	0.50	30	2	NA	(0.7)	NA	0.2	0.02	(0.4)
1071	5/07/92	NR	18:03	29.40	5.0	0.50	30	7**	NA	(2)	NA	5	0.8**	(1)
1072*	5/15/92	NR	12:37	29.40	3.0	0.50	6	0.04	NA	(0.2)	NA	0.02	0.0002	(0.1)
1073	5/07/92	NR	10:22	29.50	5.0	0.50	30	0.6	NA	(0.7)	NA	110	(0.0004)	(0.4)
1074	5/07/92	NR	10:01	29.50	5.0	0.50	30	0.3	NA	(0.2)	NA	0.7	0.0003	(0.1)
1075	5/15/92	NR	14:24	29.35	4.0	0.50	3	0.2	NA	(0.7)	NA	0.1	0.009**	(0.4)
1076	5/14/92	NR	18:35	29.35	5.0	0.50	30	0.4	NA	(0.7)	NA	0.08	0.009	(0.4)
1077*	5/07/92	NR	11:05	29.50	3.0	0.50	1	0.05	NA	(0.7)	NA	0.05	0.004	(0.4)
1081	5/07/92	NR	09:10	29.50	5.0	0.50	30	0.6	NA	(0.2)	NA	0.02	0.01	(0.1)
1082	5/08/92	NR	16:23	29.25	5.0	0.50	5	3	NA	(0.7)	NA	0.6	0.1	(0.4)
1083	5/08/92	NR	16:11	29.25	5.0	0.50	5	11	NA	(0.7)	NA	11	0.05	(0.4)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
1040	4/29/92	NR	10:38	29.45	5.0	0.50	30	31	NA	19**	NA	(0.03)	(1)	(10)
1041	4/29/92	NR	10:56	29.45	5.0	0.50	30	40	NA	18**	NA	(0.03)	(1)	(10)
1043	4/29/92	NR	11:45	29.45	5.0	0.50	30	35	NA	23**	NA	(0.03)	(0.4)	(4)
1046	4/29/92	NR	12:01	29.45	5.0	0.50	30	8	NA	4**	NA	(0.03)	(0.08)	(0.8)
1046(X)	4/29/92	NR	12:13	29.45	5.0	0.50	30	10	NA	6	NA	(0.03)	(0.08)	(0.8)
1047*	4/29/92	NR	12:27	29.45	2.5	0.50	30	0.2	NA	0.1**	NA	(0.03)	(0.08)	(0.8)
1052	5/07/92	NR	17:08	29.40	5.0	0.50	30	0.4	NA	0.2	NA	(0.03)**	(0.4)	(4)
1055	5/06/92	NR	14:23	29.35	5.0	0.50	30	0.08	NA	0.4	NA	(0.03)	(0.4)	(4)
1055(X)	5/06/92	NR	14:35	29.35	5.0	0.50	30	0.1	NA	0.7	NA	(0.03)	(0.4)	(4)
1059	5/07/92	NR	16:20	29.40	5.0	0.50	30	(0.02)	NA	0.01	NA	(0.03)**	(0.4)	(4)
1060	5/07/92	NR	16:50	29.40	5.0	0.50	30	(0.02)	NA	0.09	NA	(0.03)**	(0.4)	(4)
1063	4/30/92	NR	16:17	29.35	5.0	0.50	2	2	NA	0.008	NA	(0.03)	(0.08)	(0.8)
1064	4/30/92	NR	15:55	29.35	3.5	0.50	30	3	NA	0.8**	NA	(0.03)	(1)	(10)
1066	5/06/92	NR	10:59	29.35	5.0	0.50	30	5	NA	0.7	NA	(0.03)	(0.2)	(2)
1068	5/15/92	NR	12:16	29.40	5.0	0.50	6	0.01	NA	0.004**	NA	(0.03)	(0.02)	(0.2)
1069A	5/15/92	NR	14:09	29.35	2.5	0.50	30	6	NA	1**	NA	(0.03)	(1)	(10)
1070	5/07/92	NR	09:36	29.50	4.0	0.50	30	(0.005)	NA	2	NA	(0.03)	(0.08)	(0.8)
1071	5/07/92	NR	18:03	29.40	5.0	0.50	30	1**	NA	0.4**	NA	(0.03)	(0.2)	(2)
1072*	5/15/92	NR	12:37	29.40	3.0	0.50	6	0.01	NA	0.002**	NA	(0.03)	(0.02)	(0.2)
1073	5/07/92	NR	10:22	29.50	5.0	0.50	30	29	NA	1	NA	(0.03)	(0.08)	(0.8)
1074	5/07/92	NR	10:01	29.50	5.0	0.50	30	0.2	NA	0.04	NA	(0.03)	(0.02)	(0.2)
1075	5/15/92	NR	14:24	29.35	4.0	0.50	3	(0.005)	NA	0.004	NA	(0.03)	(0.08)	(0.8)
1076	5/14/92	NR	18:35	29.35	5.0	0.50	30	(0.005)	NA	0.02	NA	(0.03)	(0.08)**	(0.8)
1077*	5/07/92	NR	11:05	29.50	3.0	0.50	1	(0.005)	NA	0.03	NA	(0.03)	(0.08)	(0.8)
1081	5/07/92	NR	09:10	29.50	5.0	0.50	30	(0.001)	NA	1	NA	(0.03)	(0.02)	(0.2)
1082	5/08/92	NR	16:23	29.25	5.0	0.50	5	3	NA	0.3	NA	(0.03)	(0.08)	(0.8)
1083	5/08/92	NR	16:11	29.25	5.0	0.50	5	4	NA	0.1	NA	(0.03)	(0.08)	(0.8)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
1040	4/29/92	NR	10:38	29.45	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	150
1041	4/29/92	NR	10:56	29.45	5.0	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	190
1043	4/29/92	NR	11:45	29.45	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	170
1046	4/29/92	NR	12:01	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	46
1046(X)	4/29/92	NR	12:13	29.45	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	55
1047*	4/29/92	NR	12:27	29.45	2.5	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.2
1052	5/07/92	NR	17:08	29.40	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	660
1055	5/06/92	NR	14:23	29.35	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	780
1055(X)	5/06/92	NR	14:35	29.35	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	860
1059	5/07/92	NR	16:20	29.40	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	110
1060	5/07/92	NR	16:50	29.40	5.0	0.50	30	(4)	(0.006)	(0.01)	(0.01)	NA	NA	250
1063	4/30/92	NR	16:17	29.35	5.0	0.50	2	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	2
1064	4/30/92	NR	15:55	29.35	3.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	680
1066	5/06/92	NR	10:59	29.35	5.0	0.50	30	(2)	(0.006)	(0.01)	(0.01)	NA	NA	5
1068	5/15/92	NR	12:16	29.40	5.0	0.50	6	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.006
1069A	5/15/92	NR	14:09	29.35	2.5	0.50	30	(10)	(0.006)	(0.01)	(0.01)	NA	NA	12
1070	5/07/92	NR	09:36	29.50	4.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	6
1071	5/07/92	NR	18:03	29.40	5.0	0.50	30	(2)	(0.006)**	(0.01)**	(0.01)	NA	NA	170
1072*	5/15/92	NR	12:37	29.40	3.0	0.50	6	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.02
1073	5/07/92	NR	10:22	29.50	5.0	0.50	30	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	8
1074	5/07/92	NR	10:01	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	0.1
1075	5/15/92	NR	14:24	29.35	4.0	0.50	3	(0.8)	(0.006)	(0.01)**	(0.01)**	NA	NA	0.1
1076	5/14/92	NR	18:35	29.35	5.0	0.50	30	(0.8)	(0.006)**	(0.01)**	(0.01)**	NA	NA	0.3
1077*	5/07/92	NR	11:05	29.50	3.0	0.50	1	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	(0.004)
1081	5/07/92	NR	09:10	29.50	5.0	0.50	30	(0.2)	(0.006)	(0.01)	(0.01)	NA	NA	2
1082	5/08/92	NR	16:23	29.25	5.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1
1083	5/08/92	NR	16:11	29.25	5.0	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	1

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
1040	4/29/92	NR	10:38	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.2	79.0	0.040
1041	4/29/92	NR	10:56	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.8	20.5	78.7	0.039
1043	4/29/92	NR	11:45	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	1.6	19.1	79.4	0.084
1046	4/29/92	NR	12:01	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.1	19.7	78.2	0.107
1046(X)	4/29/92	NR	12:13	29.45	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.1	19.5	78.5	0.108
1047*	4/29/92	NR	12:27	29.45	2.5	0.50	30	NA	NA	(.1)	(0.01)	0.1	22.0	77.8	0.005
1052	5/07/92	NR	17:08	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	21.1	78.0	0.043
1055	5/06/92	NR	14:23	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.0	20.2	77.7	0.099
1055(X)	5/06/92	NR	14:35	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.2	19.6	78.2	0.112
1059	5/07/92	NR	16:20	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.5	20.8	78.7	0.024
1060	5/07/92	NR	16:50	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.9	20.0	79.0	0.045
1063	4/30/92	NR	16:17	29.35	5.0	0.50	2	NA	NA	(.1)	(0.01)	0.5	21.6	77.9	0.023
1064	4/30/92	NR	15:55	29.35	3.5	0.50	30	NA	NA	(.1)	(0.01)	3.0	14.3	82.7	0.210
1066	5/06/92	NR	10:59	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)	0.6	20.7	78.6	0.029
1068	5/15/92	NR	12:16	29.40	5.0	0.50	6	NA	NA	(.1)	(0.01)**	1.2	21.6	77.2	0.056
1069A	5/15/92	NR	14:09	29.35	2.5	0.50	30	NA	NA	(.1)	(0.01)**	0.5	19.7	79.8	0.025
1070	5/07/92	NR	09:36	29.50	4.0	0.50	30	NA	NA	(.1)	(0.01)**	1.5	19.4	79.1	0.077
1071	5/07/92	NR	18:03	29.40	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.2	19.8	79.0	0.061
1072*	5/15/92	NR	12:37	29.40	3.0	0.50	6	NA	NA	(.1)	(0.01)**	0.2	22.0	77.7	0.009
1073	5/07/92	NR	10:22	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.2	19.8	79.0	0.061
1074	5/07/92	NR	10:01	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)**	0.4	21.4	78.1	0.019
1075	5/15/92	NR	14:24	29.35	4.0	0.50	3	NA	NA	(.1)	(0.01)**	0.6	22.8	76.6	0.026
1076	5/14/92	NR	18:35	29.35	5.0	0.50	30	NA	NA	(.1)	(0.01)**	1.6	20.9	77.4	0.077
1077*	5/07/92	NR	11:05	29.50	3.0	0.50	1	NA	NA	(.1)	(0.01)**	0.2	21.3	78.5	0.009
1081	5/07/92	NR	09:10	29.50	5.0	0.50	30	NA	NA	(.1)	(0.01)	2.5	18.2	79.4	0.137
1082	5/08/92	NR	16:23	29.25	5.0	0.50	5	NA	NA	(.1)	(0.01)	1.2	20.1	78.6	0.060
1083	5/08/92	NR	16:11	29.25	5.0	0.50	5	NA	NA	(.1)	(0.01)	2.2	20.3	77.6	0.108

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 13. Soil Gas Survey Analytical Result
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
1084*	5/08/92	NR	15:58	29.30	2.5	0.50	5	9	NA	(0.7)	NA	8	(0.0004)	(0.4)
1101	5/17/94	11:46	11:47	29.35	5.0	60	50	NA	(1)	(1)	(0.01)	NA	NA	(1)
1101	5/17/94	11:46	12:03	29.35	5.0	-	200	1.6	NA	NA	NA	32	0.64	NA
1102	5/17/94	13:38	13:38	29.34	5.0	60	50	0.058	(1)	(1)	(0.01)	2.5	0.086	(1)
1103	5/17/94	12:16	12:16	29.34	5.0	60	50	0.12	(1)	(1)	(0.01)	2.3	0.19	(1)
1104	5/17/94	14:08	14:08	29.35	5.0	60	50	0.043	(1)	(1)	(0.01)	0.28	0.039	(1)
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	0.35	(1)	(1)	(0.01)	0.88	NA	(1)
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	0.35	(1)	(1)	(0.01)	0.88	NA	(1)
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	0.23	NA
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	0.23	NA
1106	5/24/94	11:31	11:31	29.36	5.0	60	10	NA	(10)	(10)	3.2	0.41	NA	(10)
1106	5/24/94	11:31	11:46	29.36	5.0	-	200	2.5	NA	NA	NA	NA	2.5	NA
1107	5/25/94	16:33	16:33	29.31	3.0	0.03	10	NA	(10)	(10)	2.6	0.32	NA	(10)
1108	5/24/94	11:02	11:02	29.36	5.0	60	100	1.8	NA	NA	NA	NA	4.5	NA
1108	5/24/94	11:02	11:14	29.36	5.0	-	50	NA	(1)	(1)	3.8	0.47	NA	(1)
1109	5/24/94	10:26	10:26	NR	2.5	30	10	NA	(10)	(10)	11	0.98	NA	(10)
1109	5/24/94	10:26	10:40	NR	2.5	-	100	4.2	NA	NA	NA	NA	11	NA
1110	5/24/94	09:50	09:50	29.34	4.0	60	10	NA	(10)	(10)	2.5	0.37	NA	(10)
1110	5/24/94	09:50	10:05	NR	4.0	-	100	3.5	NA	NA	NA	NA	2.8	NA
1111	5/24/94	0912	0926	NR	5.0	-	10	1.8	NA	NA	NA	NA	1.2	NA
1111	5/24/94	09:12	09:12	29.34	5.0	60	50	NA	(1)	(1)	0.94	0.093	NA	(1)
1112	5/24/94	13:40	13:40	29.35	5.0	60	50	0.02	(1)	(1)	(0.01)	(0.001)	(0.001)	(1)
1113	5/24/94	02:05	02:05	NR	5.0	60	100	0.063	(1)	(1)	(0.01)	0.007	0.002	(1)
1114	5/24/94	15:59	15:59	29.31	3.0	30	50	0.33	(1)	(1)	(0.01)	(0.001)	0.021	(1)
1115	5/24/94	15:28	15:28	29.32	2.5	30	50	0.32	(1)	(1)	(0.01)	8.2	0.012	(1)
1116	5/24/94	15:00	15:00	29.33	2.5	30	50	0.66	(1)	(1)	(0.01)	0.11	0.056	(1)
1117	5/24/94	14:35	14:35	29.33	3.0	30	100	0.26	(1)	(1)	(0.01)	0.024	0.007	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
1084*	5/08/92	NR	15:58	29.30	2.5	0.50	5	0.1	NA	0.02	NA	(0.03)	(0.08)	(0.8)
1101	5/17/94	11:46	11:47	29.35	5.0	60	50	4.1	(0.1)	0.76	(0.1)	(1)	5.6	(1)
1101	5/17/94	11:46	12:03	29.35	5.0	-	200	NA	NA	NA	NA	NA	NA	NA
1102	5/17/94	13:38	13:38	29.34	5.0	60	50	0.12	(0.1)	0.19	(0.1)	(1)	^1.3	(1)
1103	5/17/94	12:16	12:16	29.34	5.0	60	50	0.28	(0.1)	0.43	(0.1)	(1)	2.4	(1)
1104	5/17/94	14:08	14:08	29.35	5.0	60	50	(0.01)	(0.1)	^0.02	(0.1)	(1)	(1)	(1)
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	0.11	(0.1)	0.18	(0.1)	(1)	^1.2	(1)
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	0.11	(0.1)	0.18	(0.1)	(1)	^1.2	(1)
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	NA	NA
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	NA	NA
1106	5/24/94	11:31	11:31	29.36	5.0	60	10	^0.39	(1)	0.12	(1)	(1)	^1.4	(1)
1106	5/24/94	11:31	11:46	29.36	5.0	-	200	NA	NA	NA	NA	NA	NA	NA
1107	5/25/94	16:33	16:33	29.31	3.0	0.03	10	^0.39	(1)	0.28	(1)	(1)	^1.6	(1)
1108	5/24/94	11:02	11:02	29.36	5.0	60	100	NA	NA	NA	NA	(1)	(1)	(1)
1108	5/24/94	11:02	11:14	29.36	5.0	-	50	0.56	(0.1)	0.1	(0.1)	NA	NA	NA
1109	5/24/94	10:26	10:26	NR	2.5	30	10	2	(1)	0.57	(1)	(1)	(1)	(1)
1109	5/24/94	10:26	10:40	NR	2.5	-	100	NA	NA	NA	NA	NA	NA	NA
1110	5/24/94	09:50	09:50	29.34	4.0	60	10	0.45	(1)	0.18	(1)	(1)	(1)	(1)
1110	5/24/94	09:50	10:05	NR	4.0	-	100	NA	NA	NA	-	NA	NA	NA
1111	5/24/94	0912	0926	NR	5.0	-	10	NA	NA	NA	NA	NA	NA	NA
1111	5/24/94	09:12	09:12	29.34	5.0	60	50	0.18	(0.1)	0.12	(0.1)	(1)	(1)	(1)
1112	5/24/94	13:40	13:40	29.35	5.0	60	50	(0.01)	(0.1)	NA	(0.1)	(1)	2	(1)
1113	5/24/94	02:05	02:05	NR	5.0	60	100	(0.01)	(0.1)	^0.007	(0.1)	(1)	1.7	(1)
1114	5/24/94	15:59	15:59	29.31	3.0	30	50	(0.01)	(0.1)	^0.01	(0.1)	(1)	^1.4	(1)
1115	5/24/94	15:28	15:28	29.32	2.5	30	50	(0.01)	(0.1)	0.024	(0.1)	(1)	3.6	(1)
1116	5/24/94	15:00	15:00	29.33	2.5	30	50	(0.01)	(0.1)	0.1	(0.1)	(1)	1.8	(1)
1117	5/24/94	14:35	14:35	29.33	3.0	30	100	(0.01)	(0.1)	0.016	(0.1)	(1)	2.1	(1)

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
1084*	5/08/92	NR	15:58	29.30	2.5	0.50	5	(0.8)	(0.006)	(0.01)	(0.01)	NA	NA	0.3
1101	5/17/94	11:46	11:47	29.35	5.0	60	50	(1)	(1)	(1)	(1)	(1)	(1)	13
1101	5/17/94	11:46	12:03	29.35	5.0	-	200	NA	NA	NA	NA	NA	NA	NA
1102	5/17/94	13:38	13:38	29.34	5.0	60	50	(1)	(1)	(1)	(1)	(1)	(1)	1.3
1103	5/17/94	12:16	12:16	29.34	5.0	60	50	(1)	(1)	(1)	(1)	(1)	(1)	2.9
1104	5/17/94	14:08	14:08	29.35	5.0	60	50	(1)	(1)	(1)	(1)	(1)	(1)	0.7
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	(1)	(1)	(1)	(1)	(1)	(1)	NA
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	(1)	(1)	(1)	(1)	(1)	(1)	NA
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	NA	4.7
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	NA	4.7
1106	5/24/94	11:31	11:31	29.36	5.0	60	10	(1)	(1)	(1)	(1)	(1)	(1)	19
1106	5/24/94	11:31	11:46	29.36	5.0	-	200	NA	NA	NA	NA	NA	NA	NA
1107	5/25/94	16:33	16:33	29.31	3.0	0.03	10	(1)	(1)	(1)	(1)	(1)	(1)	NA
1108	5/24/94	11:02	11:02	29.36	5.0	60	100	(1)	(1)	(1)	(1)	(1)	(1)	13
1108	5/24/94	11:02	11:14	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
1109	5/24/94	10:26	10:26	NR	2.5	30	10	(1)	(1)	(1)	(1)	(1)	(1)	NA
1109	5/24/94	10:26	10:40	NR	2.5	-	100	NA	NA	NA	NA	NA	NA	30
1110	5/24/94	09:50	09:50	29.34	4.0	60	10	(1)	(1)	(1)	(1)	(1)	(1)	NA
1110	5/24/94	09:50	10:05	NR	4.0	-	100	NA	NA	NA	NA	200	1/100	NA
1111	5/24/94	0912	0926	NR	5.0	-	10	NA	NA	NA	NA	NA	NA	15
1111	5/24/94	09:12	09:12	29.34	5.0	60	50	(1)	(1)	(1)	(1)	(1)	(1)	NA
1112	5/24/94	13:40	13:40	29.35	5.0	60	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
1113	5/24/94	02:05	02:05	NR	5.0	60	100	(1)	(1)	(1)	(1)	(1)	(1)	0.3
1114	5/24/94	15:59	15:59	29.31	3.0	30	50	(1)	(1)	(1)	(1)	(1)	(1)	1.5
1115	5/24/94	15:28	15:28	29.32	2.5	30	50	(1)	(1)	(1)	(1)	(1)	(1)	1.4
1116	5/24/94	15:00	15:00	29.33	2.5	30	50	(1)	(1)	(1)	(1)	(1)	(1)	3.2
1117	5/24/94	14:35	14:35	29.33	3.0	30	100	(1)	(1)	(1)	(1)	(1)	(1)	1.3

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO_2 and O_2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
DCE=dichloroethene; CFC-113=Freon

Table 13. Soil Gas Survey Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	CH4 %	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
1084*	5/08/92	NR	15:58	29.30	2.5	0.50	5	NA	NA	(.1)	(0.01)	0.2	20.9	79.0	0.010
1101	5/17/94	11:46	11:47	29.35	5.0	60	50	(1)	(1)	NA	NA	1.3	19.5	79.2	0.067
1101	5/17/94	11:46	12:03	29.35	5.0	-	200	NA	NA	NA	NA	NA	NA	NA	
1102	5/17/94	13:38	13:38	29.34	5.0	60	50	(1)	(1)	NA	NA	0.7	20.6	78.7	0.034
1103	5/17/94	12:16	12:16	29.34	5.0	60	50	(1)	(1)	NA	NA	(0.1)	19.4	80.6	
1104	5/17/94	14:08	14:08	29.35	5.0	60	50	(1)	(1)	NA	NA	0.5	19.1	80.4	0.026
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	(1)	(1)	NA	NA	0.7	19.2	80	0.036
1105	5/24/94	12:57	12:57	29.35	5.0	60	100	(1)	(1)	NA	NA	0.7	19.2	80	0.036
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	NA	NA	
1105	5/24/94	12:57	13:11	29.35	5.0	-	30	NA	NA	NA	NA	NA	NA	NA	
1106	5/24/94	11:31	11:31	29.36	5.0	60	10	(1)	(1)	NA	NA	2.6	15.1	82.4	0.172
1106	5/24/94	11:31	11:46	29.36	5.0	-	200	NA	NA	NA	NA	NA	NA	NA	
1107	5/25/94	16:33	16:33	29.31	3.0	0.03	10	(1)	(1)	NA	NA	2.9	12.2	84.9	0.238
1108	5/24/94	11:02	11:02	29.36	5.0	60	100	(1)	(1)	NA	NA	2.4	16.7	81	0.144
1108	5/24/94	11:02	11:14	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA	
1109	5/24/94	10:26	10:26	NR	2.5	30	10	(1)	(1)	NA	NA	1.9	13.9	84.2	0.137
1109	5/24/94	10:26	10:40	NR	2.5	-	100	NA	NA	NA	NA	NA	NA	NA	
1110	5/24/94	09:50	09:50	29.34	4.0	60	10	(1)	(1)	NA	NA	1.8	14.9	83.3	0.121
1110	5/24/94	09:50	10:05	NR	4.0	-	100	-	NA	NA	NA	NA	NA	NA	
1111	5/24/94	0912	0926	NR	5.0	-	10	NA	NA	NA	NA	NA	NA	NA	
1111	5/24/94	09:12	09:12	29.34	5.0	60	50	(1)	(1)	NA	NA	1.5	18.1	80.4	0.083
1112	5/24/94	13:40	13:40	29.35	5.0	60	50	(1)	(1)	NA	NA	NA	21.1	78.4	
1113	5/24/94	02:05	02:05	NR	5.0	60	100	(1)	(1)	NA	NA	0.7	19	80.3	0.037
1114	5/24/94	15:59	15:59	29.31	3.0	30	50	(1)	(1)	NA	NA	3.2	14.1	82.7	0.227
1115	5/24/94	15:28	15:28	29.32	2.5	30	50	(1)	(1)	NA	NA	1.5	18.5	80	0.081
1116	5/24/94	15:00	15:00	29.33	2.5	30	50	(1)	(1)	NA	NA	1	19.3	79.7	0.052
1117	5/24/94	14:35	14:35	29.33	3.0	30	100	(1)	(1)	NA	NA	1.1	17.4	81.5	0.063

() Indicates compound not detected at or above enclosed reporting limit. NA = not analyzed.
NR = not reported. in. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
* = analytical results for CO2 and O2 were within the ambient air range. ^ = below reporting limits. (X) = duplicate sample.
** = percent difference of current calibration was ≥25% from the initial calibration for that compound.
CH4=methane; CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
DVMW-01#	6/24/94	11:59	12:01	29.28	290.0	8.2	50	0.092	(1)	(1)	^0.048	0.037	0.025	(1)
DVMW-01(X)#	6/24/94	11:59	12:11	29.28	290.0	-	50	0.085	(1)	(1)	^0.052	0.038	0.024	(1)
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	(0.01)	(10)	(10)	(0.1)	.07	.05	(10)
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	(0.01)	(10)	(10)	(0.1)	.06	.05	(10)
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	.01	(1)	(1)	(0.01)	.04	.01	(1)
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	.01	(1)	(1)	(0.01)	.03	.01	(1)
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	NA	NA	NA	NA	NA	NA
DVMW-02	6/24/94	08:47	08:48	29.3	82.0	2.4	50	^0.007	(1)	(1)	(0.01)	0.03	0.015	(1)
DVMW-02	6/24/94	08:59	09:00	29.3	167.0	4.8	50	^0.006	(1)	(1)	(0.01)	0.021	0.006	(1)
DVMW-02	6/24/94	09:13	09:13	29.29	234.0	6.7	50	0.012	(1)	(1)	(0.01)	0.023	0.01	(1)
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	.82	(100)	(100)	2.7	3.2	.92	(100)
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	NA	NA	NA	NA	NA	NA
DVMW-02#	6/24/94	09:30	09:31	29.29	284.0	8.1	30	0.021	(10)	(10)	0.22	0.073	0.091	(10)
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	2.5	NA	(1000)	NA	20	3.2	(1000)
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	8.6	NA	(1000)	NA	4.4	18	(1000)
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	3.9	NA	(1000)	NA	(1)	11	(1000)
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	10	NA	(1000)	NA	3.2	25	(1000)
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/27/94	08:52	08:52	29.34	37.0	1.1	50	NA	NA	(1)	(0.01)	NA	NA	NA
DVMW-03	6/27/94	08:52	09:03	29.34	37.0	-	50	2	(100)	NA	NA	14	2.8	(100)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
DVMW-01#	6/24/94	11:59	12:01	29.28	290.0	8.2	50	0.1	(0.1)	0.052	NA	(1)	(1)	(1)
DVMW-01(X)#	6/24/94	11:59	12:11	29.28	290.0	-	50	0.096	(0.1)	0.048	NA	(1)	(1)	(1)
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	3.8	(1)	.94	NA	(1)	(1)	(1)
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	4.3	(1)	1	NA	(1)	(1)	(1)
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	.34	(0.1)	.03	NA	(1)	(1)	(1)
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	.37	(0.1)	.05	NA	(1)	1.3	(1)
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	NA	NA	NA	NA	NA	NA
DVMW-02	6/24/94	08:47	08:48	29.3	82.0	2.4	50	0.75	(0.1)	0.065	NA	(1)	(1)	(1)
DVMW-02	6/24/94	08:59	09:00	29.3	167.0	4.8	50	0.12	(0.1)	0.024	NA	(1)	(1)	(1)
DVMW-02	6/24/94	09:13	09:13	29.29	234.0	6.7	50	0.16	(0.1)	0.034	NA	(1)	^1.5	(1)
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	29	(10)	.52	NA	(1)	3.4	(1)
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	NA	NA	NA	NA	NA	NA
DVMW-02#	6/24/94	09:30	09:31	29.29	284.0	8.1	30	4.7	(1)	0.17	NA	(1)	^1.7	(1)
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	12	NA	88	NA	(1)	5	(1000)
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	100	NA	90	NA	(1)	6.2	(1000)
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	78	NA	62	NA	(1)	5.3	(1000)
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	260	NA	NA	NA	(1)	11	(1000)
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	510	NA	NA	NA	NA
DVMW-03	6/27/94	08:52	08:52	29.34	37.0	1.1	50	2.2	(0.1)	NA	NA	(1)	5.4	(1)
DVMW-03	6/27/94	08:52	09:03	29.34	37.0	-	50	NA	NA	14	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
DVMW-01#	6/24/94	11:59	12:01	29.28	290.0	8.2	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-01(X)#	6/24/94	11:59	12:11	29.28	290.0	-	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	(1)	(1)	(1)	(1)	(1)	(1)	10^
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	(1)	(1)	(1)	(1)	(1)	(1)	10^
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	(1)	(1)	(1)	(1)	(1)	(1)	1.5
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	(1)	(1)	(1)	(1)	(1)	(1)	1.3
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	NA	NA	NA	NA	NA	NA
DVMW-02	6/24/94	08:47	08:48	29.3	82.0	2.4	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-02	6/24/94	08:59	09:00	29.3	167.0	4.8	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-02	6/24/94	09:13	09:13	29.29	234.0	6.7	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	1.3	(1)	1.1	(1)	(1)	(1)	150
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	NA	NA	NA	NA	NA	NA
DVMW-02#	6/24/94	09:30	09:31	29.29	284.0	8.1	30	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	39
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	160
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	140
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	190
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/27/94	08:52	08:52	29.34	37.0	1.1	50	(1)	(1)	(1)	(1)	(1)	(1)	33
DVMW-03	6/27/94	08:52	09:03	29.34	37.0	-	50	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
DVMW-01#	6/24/94	11:59	12:01	29.28	290.0	8.2	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-01(X)#	6/24/94	11:59	12:11	29.28	290.0	-	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	(50)	(1)	(1)	NA	(1)	(0.01)
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	(50)	(1)	(1)	NA	(1)	(0.01)
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	(50)	(0.1)	(0.1)	NA	(0.1)	(0.001)
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	NA	NA	NA	NA	NA	NA
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	(50)	(0.1)	(0.1)	NA	(0.1)	(0.001)
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	NA	NA	NA	NA	NA	NA
DVMW-02	6/24/94	08:47	08:48	29.3	82.0	2.4	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-02	6/24/94	08:59	09:00	29.3	167.0	4.8	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-02	6/24/94	09:13	09:13	29.29	234.0	6.7	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	(50)	(10)	(10)	NA	(10)	(0.1)
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	NA	NA	NA	NA	NA	NA
DVMW-02#	6/24/94	09:30	09:31	29.29	284.0	8.1	30	(1)	(1)	NA	NA	NA	NA	NA
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/27/94	08:52	08:52	29.34	37.0	1.1	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-03	6/27/94	08:52	09:03	29.34	37.0	-	50	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
DVMW-01#	6/24/94	11:59	12:01	29.28	290.0	8.2	50	NA	2.8	12.2	85.1	0.230
DVMW-01(X)#	6/24/94	11:59	12:11	29.28	290.0	-	50	NA	3.1	11.6	85.3	0.267
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	.4	19.9	79.6	.02
DVMW-02	2/14/94	16:00	16:02	NR	82.0	2.4	24	NA	NA	NA	NA	0.020
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	.4	20.1	79.4	.02
DVMW-02(X)	2/14/94	16:01	16:16	NR	82.0	-	-	NA	NA	NA	NA	0.020
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	.3	20.6	79.1	.01
DVMW-02	2/14/94	16:35	16:36	NR	167.0	4.8	24	NA	NA	NA	NA	0.015
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	.3	19.8	79.9	0.015
DVMW-02	2/14/94	16:50	16:51	NR	234.0	6.7	22	NA	NA	NA	NA	.02
DVMW-02	6/24/94	08:47	08:48	29.3	82.0	2.4	50	NA	0.5	21.6	77.9	0.023
DVMW-02	6/24/94	08:59	09:00	29.3	167.0	4.8	50	NA	0.4	20.8	78.8	0.019
DVMW-02	6/24/94	09:13	09:13	29.29	234.0	6.7	50	NA	0.3	21.4	78.3	0.014
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	1	19.2	79.8	0.052
DVMW-02#	2/14/94	17:07	17:08	NR	285.0	4.3	8.1	NA	NA	NA	NA	.05
DVMW-02#	6/24/94	09:30	09:31	29.29	284.0	8.1	30	NA	(0.1)	21.2	78.8	
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	0.2	18	81.8	0.01
DVMW-03	6/15/93	13:21	13:21	NR	37.5	-	-	NA	NA	NA	NA	0.011
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	(0.1)	12.6	87.4	0
DVMW-03	6/15/93	13:38	13:38	NR	93.0	-	-	NA	NA	NA	NA	
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	0.2	13.6	86.2	0.01
DVMW-03	6/15/93	14:02	14:02	NR	140.5	-	-	NA	NA	NA	NA	0.015
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	0.3	14.6	85.1	0.02
DVMW-03	6/15/93	14:19	14:19	NR	198.0	-	-	NA	NA	NA	NA	0.021
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	
DVMW-03	6/15/93	14:19	14:32	NR	198.0	-	-	NA	NA	NA	NA	NA
DVMW-03	6/27/94	08:52	08:52	29.34	37.0	1.1	50	NA	0.2	20.1	79.6	0.010
DVMW-03	6/27/94	08:52	09:03	29.34	37.0	-	50	NA	NA	NA	NA	

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
DVMW-03	6/27/94	08:52	09:12	29.34	37.0	-	50	NA	(1)	NA	NA	NA	NA	(1)
DVMW-03	6/27/94	09:23	09:24	29.34	93.0	2.7	50	13	(100)	(100)	(1)	3.2	18	(100)
DVMW-03	6/27/94	09:35	09:36	29.34	141.0	4.1	50	16	(100)	(100)	(1)	^1.1	29	(100)
DVMW-03	6/27/94	09:49	09:49	29.34	193.0	5.6	50	18	(100)	(100)	(1)	^1.1	30	(100)
DVMW-03	6/27/94	09:49	10:00	29.34	193.0	-	50	NA	(1)	(1)	NA	NA	NA	MI
DVMW-03#	6/27/94	10:20	10:20	29.35	305.0	8.2	100	^0.41	(100)	(100)	(1)	1.7	^0.096	(100)
DVMW-03#	7/28/94	03:44	03:44	NR	307.0	4.5	100	1	(100)	(100)	(1)	2.5	1.7	(100)
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	0.16	NA	(10)	NA	0.068	0.035	(10)
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	0.44	NA	(100)	NA	1.8	0.089	(100)
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	0.39	NA	(100)	NA	1.5	0.092	(100)
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	0.38	NA	(100)	NA	1.7	0.1	(100)
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	0.36	NA	(100)	NA	1.6	0.1	(100)
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:10	10:10	29.29	38.0	1.1	50	0.16	(1)	(1)	0.31	0.087	0.18	(1)
DVMW-04	6/24/94	10:23	10:24	29.29	101.0	2.9	30	^0.014	(10)	(10)	0.28	0.094	0.028	(1)
DVMW-04	6/24/94	10:44	10:44	29.28	160.0	4.6	50	^0.009	(1)	(1)	^0.029	0.024	0.024	(1)
DVMW-04	6/24/94	10:58	10:58	29.28	224.0	6.5	50	0.04	(1)	(1)	2.4	0.55	0.12	^20
DVMW-04	6/24/94	10:58	11:08	29.28	224.0	-	10	NA	NA	NA	NA	NA	NA	NA
DVMW-04#	6/24/94	11:21	11:21	29.28	288.0	8.2	50	0.18	(1)	(1)	1.6	0.5	NA	NA
DVMW-04#	6/24/94	11:21	11:31	29.28	288.0	-	10	NA	NA	NA	NA	NA	2	^15
DVMW-05	6/23/94	14:33	14:33	29.3	45.0	1.3	50	^0.009	(1)	(1)	(0.01)	0.036	(0.001)	(1)
DVMW-05	6/23/94	14:47	14:47	29.3	117.0	3.4	100	^0.004	(1)	(1)	(0.01)	(0.001)	(0.001)	(1)
DVMW-05	6/23/94	15:02	15:02	29.3	189.0	5.4	100	^0.003	(1)	(1)	(0.01)	(0.001)	(0.001)	(1)
DVMW-05	6/23/94	15:15	15:15	29.29	250.0	7.2	100	^0.005	(1)	(1)	(0.01)	(0.001)	0.032	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
DVMW-03	6/27/94	08:52	09:12	29.34	37.0	-	50	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/27/94	09:23	09:24	29.34	93.0	2.7	50	49	(10)	55	NA	(1)	6.2	(1)
DVMW-03	6/27/94	09:35	09:36	29.34	141.0	4.1	50	81	(10)	98	NA	(1)	7.2	(1)
DVMW-03	6/27/94	09:49	09:49	29.34	193.0	5.6	50	86	(10)	250	NA	(1)	8.7	(1)
DVMW-03	6/27/94	09:49	10:00	29.34	193.0	-	50	NA	NA	NA	NA	NA	NA	NA
DVMW-03#	6/27/94	10:20	10:20	29.35	305.0	8.2	100	4.7	(10)	30	NA	(1)	^1.6	(1)
DVMW-03#	7/28/94	03:44	03:44	NR	307.0	4.5	100	140	(10)	99	NA	(1)	5.1	(1)
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	12	NA	0.86	NA	(1)	(1)	(10)
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	17	NA	1.5	NA	(1)	(1)	(100)
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	23	NA	1.7	NA	(1)	(1)	(100)
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	37	NA	1.3	NA	(1)	(1)	(100)
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	43	NA	1.4	NA	(1)	(1)	(100)
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:10	10:10	29.29	38.0	1.1	50	12	(0.1)	0.39	NA	(1)	^1.6	(1)
DVMW-04	6/24/94	10:23	10:24	29.29	101.0	2.9	30	4.2	(1)	0.21	NA	(1)	1.9	(1)
DVMW-04	6/24/94	10:44	10:44	29.28	160.0	4.6	50	1.1	(0.1)	0.032	NA	(1)	1.8	(1)
DVMW-04	6/24/94	10:58	10:58	29.28	224.0	6.5	50	NA	(0.1)	0.85	NA	(1)	2.5	(1)
DVMW-04	6/24/94	10:58	11:08	29.28	224.0	-	10	31	NA	NA	NA	NA	NA	NA
DVMW-04#	6/24/94	11:21	11:21	29.28	288.0	8.2	50	NA	(0.1)	0.39	NA	(1)	3.9	(1)
DVMW-04#	6/24/94	11:21	11:31	29.28	288.0	-	10	55	NA	NA	NA	NA	NA	NA
DVMW-05	6/23/94	14:33	14:33	29.3	45.0	1.3	50	(0.01)	(0.1)	(0.001)	NA	(1)	(1)	(1)
DVMW-05	6/23/94	14:47	14:47	29.3	117.0	3.4	100	(0.01)	(0.1)	(0.001)	NA	(1)	(1)	(1)
DVMW-05	6/23/94	15:02	15:02	29.3	189.0	5.4	100	(0.01)	(0.1)	(0.001)	NA	(1)	^1.6	(1)
DVMW-05	6/23/94	15:15	15:15	29.29	250.0	7.2	100	(0.01)	(0.1)	(0.001)	NA	(1)	3.3	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
DVMW-03	6/27/94	08:52	09:12	29.34	37.0	-	50	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/27/94	09:23	09:24	29.34	93.0	2.7	50	5.1	(1)	(1)	(1)	(1)	(1)	150
DVMW-03	6/27/94	09:35	09:36	29.34	141.0	4.1	50	11	(1)	(1)	(1)	(1)	(1)	230
DVMW-03	6/27/94	09:49	09:49	29.34	193.0	5.6	50	7.7	(1)	(1)	(1)	(1)	(1)	260
DVMW-03	6/27/94	09:49	10:00	29.34	193.0	-	50	NA	NA	NA	NA	NA	NA	NA
DVMW-03#	6/27/94	10:20	10:20	29.35	305.0	8.2	100	2.6	(1)	(1)	(1)	(1)	(1)	(1)
DVMW-03#	7/28/94	03:44	03:44	NR	307.0	4.5	100	48	(1)	(1)	(1)	(1)	(1)	21
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	(10)	(1)	(1)	(1)	(1)	(1)	1.8
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	(100)	(1)	(1)	(1)	(1)	(1)	4.3
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	(100)	(1)	(1)	(1)	(1)	(1)	0.52
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	(100)	(1)	(1)	(1)	(1)	(1)	1.9
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	(100)	(1)	(1)	(1)	(1)	(1)	1.8
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:10	10:10	29.29	38.0	1.1	50	(1)	(1)	(1)	(1)	(1)	(1)	1.2
DVMW-04	6/24/94	10:23	10:24	29.29	101.0	2.9	30	(1)	(1)	(1)	(1)	(1)	(1)	1.4
DVMW-04	6/24/94	10:44	10:44	29.28	160.0	4.6	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-04	6/24/94	10:58	10:58	29.28	224.0	6.5	50	^1.2	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-04	6/24/94	10:58	11:08	29.28	224.0	-	10	NA	NA	NA	NA	NA	NA	NA
DVMW-04#	6/24/94	11:21	11:21	29.28	288.0	8.2	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-04#	6/24/94	11:21	11:31	29.28	288.0	-	10	NA	NA	NA	NA	NA	NA	NA
DVMW-05	6/23/94	14:33	14:33	29.3	45.0	1.3	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05	6/23/94	14:47	14:47	29.3	117.0	3.4	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05	6/23/94	15:02	15:02	29.3	189.0	5.4	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05	6/23/94	15:15	15:15	29.29	250.0	7.2	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=di[illegible]roethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
DVMW-03	6/27/94	08:52	09:12	29.34	37.0	-	50	NA	NA	NA	NA	NA	NA	NA
DVMW-03	6/27/94	09:23	09:24	29.34	93.0	2.7	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-03	6/27/94	09:35	09:36	29.34	141.0	4.1	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-03	6/27/94	09:49	09:49	29.34	193.0	5.6	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-03	6/27/94	09:49	10:00	29.34	193.0	-	50	NA	NA	NA	NA	NA	NA	NA
DVMW-03#	6/27/94	10:20	10:20	29.35	305.0	8.2	100	(1)	(1)	NA	NA	NA	NA	NA
DVMW-03#	7/28/94	03:44	03:44	NR	307.0	4.5	100	NA	(1)	NA	NA	NA	NA	NA
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	NA	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:10	10:10	29.29	38.0	1.1	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:23	10:24	29.29	101.0	2.9	30	(1)	(1)	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:44	10:44	29.28	160.0	4.6	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:58	10:58	29.28	224.0	6.5	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-04	6/24/94	10:58	11:08	29.28	224.0	-	10	NA	NA	NA	NA	NA	NA	NA
DVMW-04#	6/24/94	11:21	11:21	29.28	288.0	8.2	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-04#	6/24/94	11:21	11:31	29.28	288.0	-	10	NA	NA	NA	NA	NA	NA	NA
DVMW-05	6/23/94	14:33	14:33	29.3	45.0	1.3	50	(1)	(1)	NA	NA	NA	NA	NA
DVMW-05	6/23/94	14:47	14:47	29.3	117.0	3.4	100	(1)	(1)	NA	NA	NA	NA	NA
DVMW-05	6/23/94	15:02	15:02	29.3	189.0	5.4	100	(1)	(1)	NA	NA	NA	NA	NA
DVMW-05	6/23/94	15:15	15:15	29.29	250.0	7.2	100	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
DVMW-03	6/27/94	08:52	09:12	29.34	37.0	-	50	NA	NA	NA	NA	
DVMW-03	6/27/94	09:23	09:24	29.34	93.0	2.7	50	NA	(0.1)	14.9	85.1	
DVMW-03	6/27/94	09:35	09:36	29.34	141.0	4.1	50	NA	0.4	14.2	85.4	0.028
DVMW-03	6/27/94	09:49	09:49	29.34	193.0	5.6	50	NA	0.6	14.2	85.1	0.042
DVMW-03	6/27/94	09:49	10:00	29.34	193.0	-	50	NA	NA	NA	NA	
DVMW-03#	6/27/94	10:20	10:20	29.35	305.0	8.2	100	NA	(0.1)	22.2	77.8	
DVMW-03#	7/28/94	03:44	03:44	NR	307.0	4.5	100	NA	0.6	18.7	80.7	0.032
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	2.6	17.8	79.7	0.146
DVMW-04	6/15/93	15:54	15:54	NR	38.0	-	-	NA	NA	NA	NA	0.15
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	1.3	19.3	79.3	0.067
DVMW-04	6/15/93	16:05	16:05	NR	100.5	-	-	NA	NA	NA	NA	0.07
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	1.5	19.1	79.4	0.079
DVMW-04	6/15/93	16:21	16:21	NR	159.5	-	-	NA	NA	NA	NA	0.08
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	1.0	19.1	80	0.052
DVMW-04	6/15/93	16:39	16:39	NR	224.0	-	-	NA	NA	NA	NA	0.05
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	1.0	19.1	79.9	0.052
DVMW-04(X)	6/15/93	16:42	16:50	NR	224.0	-	-	NA	NA	NA	NA	0.05
DVMW-04	6/24/94	10:10	10:10	29.29	38.0	1.1	50	NA	2.5	19.4	78.1	0.129
DVMW-04	6/24/94	10:23	10:24	29.29	101.0	2.9	30	NA	1.5	20.3	78.2	0.074
DVMW-04	6/24/94	10:44	10:44	29.28	160.0	4.6	50	NA	(0.1)	21.4	78.6	
DVMW-04	6/24/94	10:58	10:58	29.28	224.0	6.5	50	NA	1.4	19.5	79.1	0.072
DVMW-04	6/24/94	10:58	11:08	29.28	224.0	-	10	NA	NA	NA	NA	
DVMW-04#	6/24/94	11:21	11:21	29.28	288.0	8.2	50	NA	0.7	19.7	79.5	0.036
DVMW-04#	6/24/94	11:21	11:31	29.28	288.0	-	10	NA	NA	NA	NA	
DVMW-05	6/23/94	14:33	14:33	29.3	45.0	1.3	50	NA	0.4	19.6	80	0.020
DVMW-05	6/23/94	14:47	14:47	29.3	117.0	3.4	100	NA	(0.1)	15.4	84.6	
DVMW-05	6/23/94	15:02	15:02	29.3	189.0	5.4	100	NA	0.4	15.6	84	0.026
DVMW-05	6/23/94	15:15	15:15	29.29	250.0	7.2	100	NA	0.9	13.4	85.7	0.067

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
DVMW-05	7/28/94	08:51	08:51	NR	45.0	1.3	100	^0.004	(1)	(1)	(0.01)	(0.001)	(0.001)	(1)
DVMW-05	7/28/94	09:05	09:05	NR	117.0	3.4	100	0.005	(1)	(1)	(0.01)	0.009	0.002	(1)
DVMW-05	7/28/94	09:18	09:18	NR	189.0	5.4	100	^0.003	(1)	(1)	(0.01)	(0.001)	0.003	(1)
DVMW-05#	6/23/94	15:31	15:31	29.29	267.0	7.6	100	^0.003	(1)	(1)	(0.01)	(0.001)	0.018	(1)
DVMW-05(X)#	6/23/94	15:31	15:57	29.29	267.0	-	100	^0.004	(1)	(1)	(0.01)	(0.001)	0.017	(1)
DVMW-05#	7/28/94	09:35	09:35	NR	250.0	7.2	100	^0.003	(1)	(1)	(0.01)	(0.001)	0.029	(1)
IDVMW-01	6/20/94	11:10	11:11	29.38	306.0	8.8	100	11	NA	NA	(1)	(0.1)	6.9	NA
IDVMW-01	6/20/94	11:10	11:20	29.38	306.0	-	50	NA	(1)	(1)	NA	NA	NA	(1)
IDVMW-01	6/28/94	12:50	12:51	29.33	93.0	2.7	100	3.6	(100)	(100)	(1)	1.2	1.3	(100)
IDVMW-01	6/28/94	13:06	13:07	29.33	163.0	4.7	100	9.6	(100)	(100)	(1)	1.9	3.8	(100)
IDVMW-01	6/28/94	13:22	13:22	29.32	202.0	5.8	200	NA	(100)	(100)	(1)	2.6	8	(100)
IDVMW-01	6/28/94	13:22	13:33	29.32	202.0	-	30	28	NA	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:41	13:41	29.31	256.0	7.4	100	5.8	(100)	(100)	(1)	1.8	2.9	(100)
IDVMW-01	6/28/94	13:55	13:56	29.3	306.0	8.8	100	15	(100)	(100)	(1)	(1)	16	(100)
IDVMW-01(X)	7/28/94	12:56	01:09	NR	93.0	-	100	7.7	(100)	(100)	(1)	3	3.1	(100)
IDVMW-01	7/28/94	12:56	12:56	NR	93.0	2.7	100	7.1	(100)	(100)	(1)	2.9	2.8	(100)
IDVMW-01	7/28/94	13:21	13:22	NR	163.0	4.7	100	18	(100)	(100)	(1)	4	10	(100)
IDVMW-01	7/28/94	13:40	13:40	NR	202.0	5.8	100	26	(100)	(100)	(1)	4.8	19	(100)
IDVMW-01	7/28/94	13:55	13:55	NR	256.0	7.4	100	14	(100)	(100)	(1)	2.5	14	(100)
IDVMW-01	7/28/94	14:10	14:10	NR	306.0	8.8	100	23	(100)	(100)	(1)	2.1	NA	(100)
IDVMW-01	7/28/94	14:10	14:21	NR	306.0	-	30	NA	NA	NA	NA	NA	29	NA
IDVMW-02	6/20/94	10:10	10:10	29.39	310.0	8.9	50	NA	(1)	(1)	0.2	0.25	NA	MI
IDVMW-02	6/20/94	10:10	10:22	29.39	310.0	-	20	^2.8	NA	NA	NA	NA	17	(1000)
IDVMW-02	6/20/94	10:10	10:31	29.39	310.0	-	50	NA	NA	NA	NA	NA	NA	(1)
IDVMW-02	6/28/94	09:40	09:40	29.35	110.0	3.2	100	12	(100)	(100)	(1)	(1)	19	(100)
IDVMW-02	6/28/94	09:55	09:55	29.37	153.0	4.4	50	10	(100)	(100)	(1)	(1)	18	(100)
IDVMW-02	6/28/94	10:16	10:17	29.36	213.0	6.2	50	4.6	(100)	(100)	(1)	(1)	13	(100)
IDVMW-02	6/28/94	10:33	10:34	29.36	265.0	7.6	50	3.3	(100)	(100)	(1)	(1)	12	(100)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
DVMW-05	7/28/94	08:51	08:51	NR	45.0	1.3	100	(0.01)	(0.1)	(0.001)	NA	(1)	(1)	(1)
DVMW-05	7/28/94	09:05	09:05	NR	117.0	3.4	100	(0.01)	(0.1)	(0.001)	NA	(1)	(1)	(1)
DVMW-05	7/28/94	09:18	09:18	NR	189.0	5.4	100	(0.01)	(0.1)	(0.001)	NA	(1)	2.3	(1)
DVMW-05#	6/23/94	15:31	15:31	29.29	267.0	7.6	100	(0.01)	(0.1)	(0.001)	NA	(1)	2.7	(1)
DVMW-05(X)#	6/23/94	15:31	15:57	29.29	267.0	-	100	(0.01)	(0.1)	(0.001)	NA	(1)	3	(1)
DVMW-05#	7/28/94	09:35	09:35	NR	250.0	7.2	100	(0.01)	(0.1)	(0.001)	NA	(1)	(1)	(1)
IDVMW-01	6/20/94	11:10	11:11	29.38	306.0	8.8	100	15	(10)	1.6	NA	(1)	5	(1)
IDVMW-01	6/20/94	11:10	11:20	29.38	306.0	-	50	NA	NA	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	12:50	12:51	29.33	93.0	2.7	100	57	(10)	7.1	NA	(1)	3	(1)
IDVMW-01	6/28/94	13:06	13:07	29.33	163.0	4.7	100	24	(10)	(0.1)	NA	(1)	5.1	(1)
IDVMW-01	6/28/94	13:22	13:22	29.32	202.0	5.8	200	41	(10)	^0.28	NA	(1)	6.7	(1)
IDVMW-01	6/28/94	13:22	13:33	29.32	202.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:41	13:41	29.31	256.0	7.4	100	17	(10)	^0.32	NA	(1)	3.3	(1)
IDVMW-01	6/28/94	13:55	13:56	29.3	306.0	8.8	100	230	(10)	50	NA	(1)	3.6	(1)
IDVMW-01(X)	7/28/94	12:56	01:09	NR	93.0	-	100	230	(10)	20	NA	(1)	3.9	(1)
IDVMW-01	7/28/94	12:56	12:56	NR	93.0	2.7	100	220	(10)	18	NA	(1)	4.4	(1)
IDVMW-01	7/28/94	13:21	13:22	NR	163.0	4.7	100	250	(10)	4	NA	(1)	8	(1)
IDVMW-01	7/28/94	13:40	13:40	NR	202.0	5.8	100	390	(10)	10	NA	(1)	11	(1)
IDVMW-01	7/28/94	13:55	13:55	NR	256.0	7.4	100	310	(10)	6	NA	(1)	7.8	(1)
IDVMW-01	7/28/94	14:10	14:10	NR	306.0	8.8	100	640	(10)	260	NA	(1)	5.2	(1)
IDVMW-01	7/28/94	14:10	14:21	NR	306.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:10	29.39	310.0	8.9	50	NA	(0.1)	3	NA	(1)	4.9	(1)
IDVMW-02	6/20/94	10:10	10:22	29.39	310.0	-	20	300	NA	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:31	29.39	310.0	-	50	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/28/94	09:40	09:40	29.35	110.0	3.2	100	140	(10)	^0.76	NA	(1)	3.5	(1)
IDVMW-02	6/28/94	09:55	09:55	29.37	153.0	4.4	50	130	(10)	^0.94	NA	(1)	3.9	(1)
IDVMW-02	6/28/94	10:16	10:17	29.36	213.0	6.2	50	200	(10)	^0.99	NA	(1)	3.5	(1)
IDVMW-02	6/28/94	10:33	10:34	29.36	265.0	7.6	50	270	(10)	(0.1)	NA	(1)	4.5	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trich[illegible]ethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroeth[illegible]

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
DVMW-05	7/28/94	08:51	08:51	NR	45.0	1.3	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05	7/28/94	09:05	09:05	NR	117.0	3.4	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05	7/28/94	09:18	09:18	NR	189.0	5.4	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05#	6/23/94	15:31	15:31	29.29	267.0	7.6	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05(X)#	6/23/94	15:31	15:57	29.29	267.0	-	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
DVMW-05#	7/28/94	09:35	09:35	NR	250.0	7.2	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
IDVMW-01	6/20/94	11:10	11:11	29.38	306.0	8.8	100	(1)	(1)	(1)	(1)	(1)	(1)	NA
IDVMW-01	6/20/94	11:10	11:20	29.38	306.0	-	50	NA	NA	NA	NA	NA	NA	87
IDVMW-01	6/28/94	12:50	12:51	29.33	93.0	2.7	100	(1)	(1)	(1)	(1)	(1)	(1)	9.9
IDVMW-01	6/28/94	13:06	13:07	29.33	163.0	4.7	100	(1)	(1)	(1)	(1)	(1)	(1)	28
IDVMW-01	6/28/94	13:22	13:22	29.32	202.0	5.8	200	(1)	(1)	(1)	(1)	(1)	(1)	42
IDVMW-01	6/28/94	13:22	13:33	29.32	202.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:41	13:41	29.31	256.0	7.4	100	(1)	(1)	(1)	(1)	(1)	(1)	13
IDVMW-01	6/28/94	13:55	13:56	29.3	306.0	8.8	100	(1)	(1)	(1)	(1)	(1)	(1)	95
IDVMW-01(X)	7/28/94	12:56	01:09	NR	93.0	-	100	(1)	(1)	(1)	(1)	(1)	(1)	27
IDVMW-01	7/28/94	12:56	12:56	NR	93.0	2.7	100	(1)	(1)	(1)	(1)	(1)	(1)	24
IDVMW-01	7/28/94	13:21	13:22	NR	163.0	4.7	100	(1)	(1)	(1)	(1)	(1)	(1)	47
IDVMW-01	7/28/94	13:40	13:40	NR	202.0	5.8	100	(1)	(1)	(1)	(1)	(1)	(1)	72
IDVMW-01	7/28/94	13:55	13:55	NR	256.0	7.4	100	(1)	(1)	(1)	(1)	(1)	(1)	33
IDVMW-01	7/28/94	14:10	14:10	NR	306.0	8.8	100	(1)	(1)	(1)	(1)	(1)	(1)	130
IDVMW-01	7/28/94	14:10	14:21	NR	306.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:10	29.39	310.0	8.9	50	(1)	(1)	(1)	(1)	(1)	(1)	2
IDVMW-02	6/20/94	10:10	10:22	29.39	310.0	-	20	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:31	29.39	310.0	-	50	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/28/94	09:40	09:40	29.35	110.0	3.2	100	(1)	(1)	(1)	(1)	(1)	(1)	16
IDVMW-02	6/28/94	09:55	09:55	29.37	153.0	4.4	50	^1.4	(1)	(1)	(1)	(1)	(1)	10
IDVMW-02	6/28/94	10:16	10:17	29.36	213.0	6.2	50	^1.1	(1)	(1)	(1)	(1)	(1)	3.2
IDVMW-02	6/28/94	10:33	10:34	29.36	265.0	7.6	50	^1.3	(1)	(1)	(1)	(1)	(1)	3

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
DVMW-05	7/28/94	08:51	08:51	NR	45.0	1.3	100	NA	(1)	NA	NA	NA	NA	NA
DVMW-05	7/28/94	09:05	09:05	NR	117.0	3.4	100	NA	(1)	NA	NA	NA	NA	NA
DVMW-05	7/28/94	09:18	09:18	NR	189.0	5.4	100	NA	(1)	NA	NA	NA	NA	NA
DVMW-05#	6/23/94	15:31	15:31	29.29	267.0	7.6	100	(1)	(1)	NA	NA	NA	NA	NA
DVMW-05(X)#	6/23/94	15:31	15:57	29.29	267.0	-	100	(1)	(1)	NA	NA	NA	NA	NA
DVMW-05#	7/28/94	09:35	09:35	NR	250.0	7.2	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	6/20/94	11:10	11:11	29.38	306.0	8.8	100	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-01	6/20/94	11:10	11:20	29.38	306.0	-	50	NA	NA	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	12:50	12:51	29.33	93.0	2.7	100	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:06	13:07	29.33	163.0	4.7	100	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:22	13:22	29.32	202.0	5.8	200	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:22	13:33	29.32	202.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:41	13:41	29.31	256.0	7.4	100	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-01	6/28/94	13:55	13:56	29.3	306.0	8.8	100	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-01(X)	7/28/94	12:56	01:09	NR	93.0	-	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	7/28/94	12:56	12:56	NR	93.0	2.7	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	7/28/94	13:21	13:22	NR	163.0	4.7	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	7/28/94	13:40	13:40	NR	202.0	5.8	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	7/28/94	13:55	13:55	NR	256.0	7.4	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	7/28/94	14:10	14:10	NR	306.0	8.8	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-01	7/28/94	14:10	14:21	NR	306.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:10	29.39	310.0	8.9	50	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:22	29.39	310.0	-	20	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/20/94	10:10	10:31	29.39	310.0	-	50	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	6/28/94	09:40	09:40	29.35	110.0	3.2	100	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-02	6/28/94	09:55	09:55	29.37	153.0	4.4	50	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-02	6/28/94	10:16	10:17	29.36	213.0	6.2	50	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-02	6/28/94	10:33	10:34	29.36	265.0	7.6	50	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=[illegible]achloroethane; CH4=methane

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
DVMW-05	7/28/94	08:51	08:51	NR	45.0	1.3	100	NA	0.3	18.3	81.4	0.016
DVMW-05	7/28/94	09:05	09:05	NR	117.0	3.4	100	NA	0.3	13.9	85.8	0.022
DVMW-05	7/28/94	09:18	09:18	NR	189.0	5.4	100	NA	0.3	16.2	83.6	0.019
DVMW-05#	6/23/94	15:31	15:31	29.29	267.0	7.6	100	NA	0.3	20	79.7	0.015
DVMW-05(X)#	6/23/94	15:31	15:57	29.29	267.0	-	100	NA	0.3	19.5	80.2	0.015
DVMW-05#	7/28/94	09:35	09:35	NR	250.0	7.2	100	NA	1	12.7	86.2	0.079
IDVMW-01	6/20/94	11:10	11:11	29.38	306.0	8.8	100	NA	0.8	17.8	81.4	0.045
IDVMW-01	6/20/94	11:10	11:20	29.38	306.0	-	50	NA	NA	NA	NA	
IDVMW-01	6/28/94	12:50	12:51	29.33	93.0	2.7	100	NA	1.5	18.3	80.2	0.082
IDVMW-01	6/28/94	13:06	13:07	29.33	163.0	4.7	100	NA	1.7	17.3	81.1	0.098
IDVMW-01	6/28/94	13:22	13:22	29.32	202.0	5.8	200	NA	1.2	17.6	81.2	0.068
IDVMW-01	6/28/94	13:22	13:33	29.32	202.0	-	30	NA	NA	NA	NA	
IDVMW-01	6/28/94	13:41	13:41	29.31	256.0	7.4	100	NA	0.6	19.1	80.3	0.031
IDVMW-01	6/28/94	13:55	13:56	29.3	306.0	8.8	100	NA	0.7	17.3	82	0.040
IDVMW-01(X)	7/28/94	12:56	01:09	NR	93.0	-	100	NA	2.1	17.8	80.1	0.118
IDVMW-01	7/28/94	12:56	12:56	NR	93.0	2.7	100	NA	2.4	18.5	79.1	0.130
IDVMW-01	7/28/94	13:21	13:22	NR	163.0	4.7	100	NA	1.8	17.5	80.7	0.103
IDVMW-01	7/28/94	13:40	13:40	NR	202.0	5.8	100	NA	1.4	17.3	81.2	0.081
IDVMW-01	7/28/94	13:55	13:55	NR	256.0	7.4	100	NA	1	17.8	81.2	0.056
IDVMW-01	7/28/94	14:10	14:10	NR	306.0	8.8	100	NA	0.7	17.1	82.2	0.041
IDVMW-01	7/28/94	14:10	14:21	NR	306.0	-	30	NA	NA	NA	NA	
IDVMW-02	6/20/94	10:10	10:10	29.39	310.0	8.9	50	NA	0.8	19.6	79.6	0.041
IDVMW-02	6/20/94	10:10	10:22	29.39	310.0	-	20	NA	NA	NA	NA	
IDVMW-02	6/20/94	10:10	10:31	29.39	310.0	-	50	NA	NA	NA	NA	
IDVMW-02	6/28/94	09:40	09:40	29.35	110.0	3.2	100	NA	1.3	17.7	81	0.073
IDVMW-02	6/28/94	09:55	09:55	29.37	153.0	4.4	50	NA	1.2	17.9	80.8	0.067
IDVMW-02	6/28/94	10:16	10:17	29.36	213.0	6.2	50	NA	0.5	20.3	79.2	0.025
IDVMW-02	6/28/94	10:33	10:34	29.36	265.0	7.6	50	NA	0.5	20.3	79.1	0.025

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
IDVMW-02	6/28/94	10:51	10:51	29.36	310.0	9	50	2.7	(100)	(100)	(1)	(1)	16	(100)
IDVMW-02	7/28/94	10:12	10:12	NR	110.0	3.2	100	16	(100)	(100)	(1)	(1)	NA	(100)
IDVMW-02	7/28/94	10:12	10:23	NR	110.0	-	30	NA	NA	NA	NA	NA	32	NA
IDVMW-02	7/28/94	10:33	10:33	NR	153.0	4.4	50	14	(100)	(100)	(1)	(1)	30	(100)
IDVMW-02	7/28/94	10:47	10:47	NR	213.0	6.2	50	7.6	(100)	(100)	(1)	(1)	25	(100)
IDVMW-02	7/28/94	11:03	11:04	NR	265.0	7.6	50	3.6	(100)	(100)	(1)	(1)	16	(100)
IDVMW-02	7/28/94	11:16	11:17	NR	310.0	9	50	3.8	(100)	(100)	(1)	(1)	24	(100)
SVMW-01	5/25/94	14:53	14:53	29.34	5.5	0.16	50	0.2	(1)	(1)	(0.01)	1.7	NA	(1)
SVMW-01	5/25/94	14:53	15:06	29.34	5.5	-	20	NA	NA	NA	NA	NA	0.39	NA
SVMW-01(X)	5/25/94	14:53	15:12	29.34	5.5	-	30	0.16	(1)	(1)	(0.01)	1.4	0.38	(1)
SVMW-01	5/25/94	15:27	15:40	29.32	20.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-01	5/25/94	15:47	15:47	29.32	41.0	1.2	10	3.8	NA	NA	NA	NA	2.8	NA
SVMW-01	5/25/94	15:47	16:01	29.32	41.0	-	200	NA	NA	NA	NA	NA	2.2	NA
SVMW-01	6/27/94	15:02	15:02	29.29	6.0	0.15	50	0.39	NA	(1)	^0.044	2.6	NA	(1)
SVMW-01	6/27/94	15:02	15:12	29.29	6.0	-	10	NA	NA	NA	NA	NA	0.6	NA
SVMW-01	6/27/94	15:02	15:18	29.29	6.0	-	50	NA	(1)	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:27	15:28	29.29	20.0	0.6	10	0.68	(10)	(10)	(0 .1)	4	1.3	(10)
SVMW-01	6/27/94	15:45	15:45	29.29	42.0	1.2	10	1.8	(10)	(10)	(0.1)	11	NA	(10)
SVMW-01	6/27/94	15:45	15:59	29.29	42.0	-	100	NA	NA	NA	NA	NA	4	NA
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	9.3	NA	(100)	NA	1.9	NA	(100)
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	14	NA
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	14	NA	(1000)	NA	(1)	18	(1000)
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	14	NA	(1000)	NA	(1)	18	(1000)
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	08:40	29.34	5.0	0.15	50	NA	(1)	(1)	NA	NA	NA	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; [illegible]=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
IDVMW-02	6/28/94	10:51	10:51	29.36	310.0	9	50	270	(10)	2.8	NA	(1)	5	(1)
IDVMW-02	7/28/94	10:12	10:12	NR	110.0	3.2	100	440	(10)	3.3	NA	(1)	4.9	(1)
IDVMW-02	7/28/94	10:12	10:23	NR	110.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	10:33	10:33	NR	153.0	4.4	50	480	(10)	4	NA	(1)	6.2	(1)
IDVMW-02	7/28/94	10:47	10:47	NR	213.0	6.2	50	640	(10)	2.6	NA	(1)	5.3	(1)
IDVMW-02	7/28/94	11:03	11:04	NR	265.0	7.6	50	620	(10)	2.4	NA	(1)	12	(1)
IDVMW-02	7/28/94	11:16	11:17	NR	310.0	9	50	730	(10)	5.1	NA	(1)	5.4	(1)
SVMW-01	5/25/94	14:53	14:53	29.34	5.5	0.16	50	0.94	(0.1)	0.15	(0.1)	(1)	^1.6	(1)
SVMW-01	5/25/94	14:53	15:06	29.34	5.5	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-01(X)	5/25/94	14:53	15:12	29.34	5.5	-	30	0.75	(0.1)	0.12	(0.1)	(1)	^1.8	(1)
SVMW-01	5/25/94	15:27	15:40	29.32	20.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-01	5/25/94	15:47	15:47	29.32	41.0	1.2	10	NA	NA	NA	NA	NA	NA	NA
SVMW-01	5/25/94	15:47	16:01	29.32	41.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:02	29.29	6.0	0.15	50	1.3	(0.1)	0.28	NA	(1)	2.5	(1)
SVMW-01	6/27/94	15:02	15:12	29.29	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:18	29.29	6.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:27	15:28	29.29	20.0	0.6	10	2	(1)	0.36	NA	(1)	4.1	(1)
SVMW-01	6/27/94	15:45	15:45	29.29	42.0	1.2	10	6.4	(1)	0.83	NA	(1)	7.9	(1)
SVMW-01	6/27/94	15:45	15:59	29.29	42.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	1.6	NA	(1)	(1)	(100)
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	240	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	340	NA	2.4	NA	(1)	(1)	(1000)
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	300	NA	2.8	NA	(1)	(1)	(1000)
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	08:40	29.34	5.0	0.15	50	NA	NA	NA	NA	(1)	(1)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
IDVMW-02	6/28/94	10:51	10:51	29.36	310.0	9	50	(1)	(1)	(1)	(1)	(1)	(1)	2.2
IDVMW-02	7/28/94	10:12	10:12	NR	110.0	3.2	100	1.2	(1)	(1)	(1)	(1)	(1)	18
IDVMW-02	7/28/94	10:12	10:23	NR	110.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	10:33	10:33	NR	153.0	4.4	50	1.9	(1)	(1)	(1)	(1)	(1)	11
IDVMW-02	7/28/94	10:47	10:47	NR	213.0	6.2	50	1.4	(1)	(1)	(1)	(1)	(1)	5
IDVMW-02	7/28/94	11:03	11:04	NR	265.0	7.6	50	2.2	(1)	(1)	(1)	(1)	(1)	3.5
IDVMW-02	7/28/94	11:16	11:17	NR	310.0	9	50	(1)	(1)	(1)	(1)	(1)	(1)	2.1
SVMW-01	5/25/94	14:53	14:53	29.34	5.5	0.16	50	(1)	(1)	(1)	(1)	(1)	(1)	30
SVMW-01	5/25/94	14:53	15:06	29.34	5.5	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-01(X)	5/25/94	14:53	15:12	29.34	5.5	-	30	(1)	(1)	(1)	(1)	(1)	(1)	28
SVMW-01	5/25/94	15:27	15:40	29.32	20.5	-	-	NA	NA	NA	NA	NA	NA	38
SVMW-01	5/25/94	15:47	15:47	29.32	41.0	1.2	10	NA	NA	NA	NA	NA	NA	26
SVMW-01	5/25/94	15:47	16:01	29.32	41.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:02	29.29	6.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	58
SVMW-01	6/27/94	15:02	15:12	29.29	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:18	29.29	6.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:27	15:28	29.29	20.0	0.6	10	(1)	(1)	(1)	(1)	(1)	(1)	100
SVMW-01	6/27/94	15:45	15:45	29.29	42.0	1.2	10	(1)	(1)	(1)	(1)	(1)	(1)	230
SVMW-01	6/27/94	15:45	15:59	29.29	42.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	(100)	(1)	(1)	(1)	(1)	(1)	16
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	(1000)	(1)	(1)	(1)	(1)	(1)	13
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	(1000)	(1)	(1)	(1)	(1)	(1)	16
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	08:40	29.34	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	6.6

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=di[illegible]roethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
IDVMW-02	6/28/94	10:51	10:51	29.36	310.0	9	50	(1)	(1)	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	10:12	10:12	NR	110.0	3.2	100	NA	(1)	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	10:12	10:23	NR	110.0	-	30	NA	NA	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	10:33	10:33	NR	153.0	4.4	50	NA	(1)	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	10:47	10:47	NR	213.0	6.2	50	NA	(1)	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	11:03	11:04	NR	265.0	7.6	50	NA	(1)	NA	NA	NA	NA	NA
IDVMW-02	7/28/94	11:16	11:17	NR	310.0	9	50	NA	(1)	NA	NA	NA	NA	NA
SVMW-01	5/25/94	14:53	14:53	29.34	5.5	0.16	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-01	5/25/94	14:53	15:06	29.34	5.5	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-01(X)	5/25/94	14:53	15:12	29.34	5.5	-	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-01	5/25/94	15:27	15:40	29.32	20.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-01	5/25/94	15:47	15:47	29.32	41.0	1.2	10	NA	NA	NA	NA	NA	NA	NA
SVMW-01	5/25/94	15:47	16:01	29.32	41.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:02	29.29	6.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:12	29.29	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:02	15:18	29.29	6.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:27	15:28	29.29	20.0	0.6	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:45	15:45	29.29	42.0	1.2	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-01	6/27/94	15:45	15:59	29.29	42.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	08:40	29.34	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
IDVMW-02	6/28/94	10:51	10:51	29.36	310.0	9	50	NA	0.4	20	79.5	0.020
IDVMW-02	7/28/94	10:12	10:12	NR	110.0	3.2	100	NA	1.3	16.7	82	0.078
IDVMW-02	7/28/94	10:12	10:23	NR	110.0	-	30	NA	NA	NA	NA	
IDVMW-02	7/28/94	10:33	10:33	NR	153.0	4.4	50	NA	1	17.6	81.4	0.057
IDVMW-02	7/28/94	10:47	10:47	NR	213.0	6.2	50	NA	0.8	18.4	80.8	0.043
IDVMW-02	7/28/94	11:03	11:04	NR	265.0	7.6	50	NA	0.8	19.5	79.7	0.041
IDVMW-02	7/28/94	11:16	11:17	NR	310.0	9	50	NA	0.5	19.6	79.8	0.026
SVMW-01	5/25/94	14:53	14:53	29.34	5.5	0.16	50	NA	0.7	20.4	78.9	0.034
SVMW-01	5/25/94	14:53	15:06	29.34	5.5	-	20	NA	NA	NA	NA	
SVMW-01(X)	5/25/94	14:53	15:12	29.34	5.5	-	30	NA	0.5	20.1	79.4	0.025
SVMW-01	5/25/94	15:27	15:40	29.32	20.5	-	-	NA	NA	NA	NA	
SVMW-01	5/25/94	15:47	15:47	29.32	41.0	1.2	10	NA	NA	NA	NA	
SVMW-01	5/25/94	15:47	16:01	29.32	41.0	-	200	NA	NA	NA	NA	
SVMW-01	6/27/94	15:02	15:02	29.29	6.0	0.15	50	NA	0.9	19.8	79.3	0.045
SVMW-01	6/27/94	15:02	15:12	29.29	6.0	-	10	NA	NA	NA	NA	
SVMW-01	6/27/94	15:02	15:18	29.29	6.0	-	50	NA	NA	NA	NA	
SVMW-01	6/27/94	15:27	15:28	29.29	20.0	0.6	10	NA	0.9	19.1	80	0.047
SVMW-01	6/27/94	15:45	15:45	29.29	42.0	1.2	10	NA	2.1	17.2	80.8	0.122
SVMW-01	6/27/94	15:45	15:59	29.29	42.0	-	100	NA	NA	NA	NA	
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	
SVMW-02	6/16/93	13:45	13:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-02	6/16/93	13:45	13:55	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	1.7	14.8	83.5	0.115
SVMW-02	6/16/93	14:07	14:07	NR	20.0	0.6	18	NA	NA	NA	NA	0.11
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	1.5	15.1	83.4	0.099
SVMW-02	6/16/93	14:25	14:25	NR	39.0	1.2	12	NA	NA	NA	NA	0.1
SVMW-02	6/28/94	08:40	08:40	29.34	5.0	0.15	50	NA	1.2	20	78.8	0.060

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-02	6/28/94	08:40	08:51	29.34	5.0	-	10	NA	NA	NA	^0.40	0.17	NA	NA
SVMW-02	6/28/94	08:40	09:00	29.34	5.0	-	100	2.9	NA	NA	NA	NA	3.7	NA
SVMW-02	6/28/94	09:08	09:09	29.35	20.0	0.6	200	4.7	(100)	(100)	(1)	2	6	(100)
SVMW-02	6/28/94	09:22	09:23	29.35	39.0	1.1	100	6.8	(100)	(100)	(1)	(1)	8.2	(100)
SVMW-02	7/28/94	16:05	16:05	NR	39.0	1.1	100	8.9	(100)	(100)	(1)	(1)	15	(100)
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	3.1	NA	(100)	NA	1.8	2.5	(100)
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	5.6	NA	(1000)	NA	1.4	5.2	(1000)
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:11	29.34	5.0	150	50	NA	(1)	(1)	0.15	0.085	NA	(1)
SVMW-04	6/20/94	16:11	16:20	29.34	5.0	-	100	3	NA	NA	NA	NA	2.7	NA
SVMW-04	6/20/94	16:11	16:30	29.34	5.0	-	50	NA	NA	NA	NA	NA	NA	(1)
SVMW-04	6/20/94	16:43	16:43	29.33	20.0	0.6	100	6	(100)	(100)	(1)	(0.1)	7	(100)
SVMW-04(X)	6/20/94	16:43	16:53	29.33	20.0	-	100	6	(100)	(100)	(1)	(0.1)	7.6	(100)
SVMW-05	5/25/94	13:46	13:46	29.34	6.0	0.16	50	NA	(1)	(1)	^0.023	(0.001)	NA	(1)
SVMW-05	5/25/94	13:46	14:00	29.34	6.0	-	10	0.94	NA	NA	NA	NA	0.97	NA
SVMW-05	5/25/94	14:09	14:09	29.34	21.0	0.6	20	1.2	(10)	(10)	(0.1)	(0.01)	*1.1	(10)
SVMW-05	5/25/94	14:25	14:25	29.34	41.5	1.2	10	0.014	(1)	(1)	(0.01)	0.32	(0.001)	(1)
SVMW-05	5/25/94	14:25	14:38	29.34	41.5	-	100	5.2	NA	NA	NA	NA	4.6	NA
SVMW-05	6/27/94	10:48	10:48	29.34	6.0	0.17	50	NA	(1)	(1)	^0.038	(0.001)	NA	NA
SVMW-05	6/27/94	10:48	10:57	29.34	6.0	-	10	1.8	NA	NA	NA	NA	1.9	(10)
SVMW-05	6/27/94	10:48	11:04	29.34	6.0	-	50	NA	NA	NA	NA	NA	NA	(1)
SVMW-05	6/27/94	11:15	11:16	29.34	21.0	0.6	100	2.7	(100)	(100)	(1)	(1)	1.9	(100)
SVMW-05	6/27/94	11:28	11:28	29.34	42.0	1.2	10	NA	(10)	(10)	(0.1)	(0.1)	NA	(10)
SVMW-05	6/27/94	11:28	11:37	29.34	42.0	-	100	11	NA	NA	NA	NA	9.8	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	(10)	NA	1.8	NA	(10)
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	3.1	NA	NA	NA	NA	0.75	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-02	6/28/94	08:40	08:51	29.34	5.0	-	10	61	(1)	0.76	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	09:00	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	09:08	09:09	29.35	20.0	0.6	200	56	(10)	0.6	NA	(1)	(1)	(1)
SVMW-02	6/28/94	09:22	09:23	29.35	39.0	1.1	100	75	(10)	^0.83	NA	(1)	(1)	(1)
SVMW-02	7/28/94	16:05	16:05	NR	39.0	1.1	100	340	(10)	3.2	NA	(1)	2.7	(1)
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	25	NA	2.6	NA	(1)	(1)	(100)
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	56	NA	3.2	NA	(1)	(1)	(1000)
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:11	29.34	5.0	150	50	NA	(0.1)	1.5	NA	(1)	^1.4	(1)
SVMW-04	6/20/94	16:11	16:20	29.34	5.0	-	100	16	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:30	29.34	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:43	16:43	29.33	20.0	0.6	100	39	(10)	2.4	NA	(1)	1.8	(1)
SVMW-04(X)	6/20/94	16:43	16:53	29.33	20.0	-	100	44	(10)	2.2	NA	(1)	2.1	(1)
SVMW-05	5/25/94	13:46	13:46	29.34	6.0	0.16	50	2.4	(0.1)	0.24	(0.1)	(1)	(1)	(1)
SVMW-05	5/25/94	13:46	14:00	29.34	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-05	5/25/94	14:09	14:09	29.34	21.0	0.6	20	2.5	(1)	0.2	(1)	(1)	(1)	(1)
SVMW-05	5/25/94	14:25	14:25	29.34	41.5	1.2	10	(0.01)	(0.1)	0.026	(0.1)	(1)	9	(1)
SVMW-05	5/25/94	14:25	14:38	29.34	41.5	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	10:48	10:48	29.34	6.0	0.17	50	4.2	(0.1)	0.46	NA	(1)	2.8	(1)
SVMW-05	6/27/94	10:48	10:57	29.34	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	10:48	11:04	29.34	6.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	11:15	11:16	29.34	21.0	0.6	100	4.1	(10)	(0.1)	NA	(1)	4.5	(1)
SVMW-05	6/27/94	11:28	11:28	29.34	42.0	1.2	10	27	(1)	1.9	NA	(1)	(1)	(1)
SVMW-05	6/27/94	11:28	11:37	29.34	42.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	(1)	2.5	(10)
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	98	NA	11	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-02	6/28/94	08:40	08:51	29.34	5.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	09:00	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	09:08	09:09	29.35	20.0	0.6	200	(1)	(1)	(1)	(1)	(1)	(1)	9.4
SVMW-02	6/28/94	09:22	09:23	29.35	39.0	1.1	100	(1)	(1)	(1)	(1)	(1)	(1)	14
SVMW-02	7/28/94	16:05	16:05	NR	39.0	1.1	100	(1)	(1)	(1)	(1)	(1)	(1)	21
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	(100)	(1)	(1)	(1)	(1)	(1)	5.2
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	11
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:11	29.34	5.0	150	50	(1)	(1)	(1)	(1)	(1)	(1)	6
SVMW-04	6/20/94	16:11	16:20	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:30	29.34	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:43	16:43	29.33	20.0	0.6	100	(1)	(1)	(1)	(1)	(1)	(1)	9
SVMW-04(X)	6/20/94	16:43	16:53	29.33	20.0	-	100	(1)	(1)	(1)	(1)	(1)	(1)	7.4
SVMW-05	5/25/94	13:46	13:46	29.34	6.0	0.16	50	(1)	(1)	(1)	(1)	(1)	(1)	1.8
SVMW-05	5/25/94	13:46	14:00	29.34	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-05	5/25/94	14:09	14:09	29.34	21.0	0.6	20	(1)	(1)	(1)	(1)	(1)	(1)	1.5
SVMW-05	5/25/94	14:25	14:25	29.34	41.5	1.2	10	(1)	(1)	(1)	(1)	(1)	(1)	7
SVMW-05	5/25/94	14:25	14:38	29.34	41.5	-	100	NA	NA	NA	NA	NA	NA	12
SVMW-05	6/27/94	10:48	10:48	29.34	6.0	0.17	50	(1)	(1)	(1)	(1)	(1)	(1)	3.4
SVMW-05	6/27/94	10:48	10:57	29.34	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	10:48	11:04	29.34	6.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	11:15	11:16	29.34	21.0	0.6	100	^1.5	(1)	(1)	(1)	(1)	(1)	4.2
SVMW-05	6/27/94	11:28	11:28	29.34	42.0	1.2	10	(1)	(1)	(1)	(1)	(1)	(1)	18
SVMW-05	6/27/94	11:28	11:37	29.34	42.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	14
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-02	6/28/94	08:40	08:51	29.34	5.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	08:40	09:00	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-02	6/28/94	09:08	09:09	29.35	20.0	0.6	200	(1)	(1)	NA	NA	NA	NA	NA
SVMW-02	6/28/94	09:22	09:23	29.35	39.0	1.1	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-02	7/28/94	16:05	16:05	NR	39.0	1.1	100	NA	(1)	NA	NA	NA	NA	NA
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:11	29.34	5.0	150	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:20	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:11	16:30	29.34	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-04	6/20/94	16:43	16:43	29.33	20.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-04(X)	6/20/94	16:43	16:53	29.33	20.0	-	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	5/25/94	13:46	13:46	29.34	6.0	0.16	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	5/25/94	13:46	14:00	29.34	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-05	5/25/94	14:09	14:09	29.34	21.0	0.6	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	5/25/94	14:25	14:25	29.34	41.5	1.2	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	5/25/94	14:25	14:38	29.34	41.5	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	10:48	10:48	29.34	6.0	0.17	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	6/27/94	10:48	10:57	29.34	6.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	10:48	11:04	29.34	6.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-05	6/27/94	11:15	11:16	29.34	21.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	6/27/94	11:28	11:28	29.34	42.0	1.2	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-05	6/27/94	11:28	11:37	29.34	42.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-02	6/28/94	08:40	08:51	29.34	5.0	-	10	NA	NA	NA	NA	
SVMW-02	6/28/94	08:40	09:00	29.34	5.0	-	100	NA	NA	NA	NA	
SVMW-02	6/28/94	09:08	09:09	29.35	20.0	0.6	200	NA	1.2	17.9	80.8	0.067
SVMW-02	6/28/94	09:22	09:23	29.35	39.0	1.1	100	NA	1.1	17.5	81.4	0.063
SVMW-02	7/28/94	16:05	16:05	NR	39.0	1.1	100	NA	1.9	16.6	81.5	0.114
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	0.9	18.1	80.7	0.05
SVMW-04	6/15/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	0.050
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	1.2	17.3	81.5	0.07
SVMW-04	6/15/93	10:46	10:46	NR	20.0	-	-	NA	NA	NA	NA	0.069
SVMW-04	6/20/94	16:11	16:11	29.34	5.0	150	50	NA	1.3	19.1	79.6	0.068
SVMW-04	6/20/94	16:11	16:20	29.34	5.0	-	100	NA	NA	NA	NA	
SVMW-04	6/20/94	16:11	16:30	29.34	5.0	-	50	NA	NA	NA	NA	
SVMW-04	6/20/94	16:43	16:43	29.33	20.0	0.6	100	NA	1.8	18.4	79.8	0.098
SVMW-04(X)	6/20/94	16:43	16:53	29.33	20.0	-	100	NA	1.9	19.1	79	0.099
SVMW-05	5/25/94	13:46	13:46	29.34	6.0	0.16	50	NA	0.5	19.8	79.6	0.025
SVMW-05	5/25/94	13:46	14:00	29.34	6.0	-	10	NA	NA	NA	NA	
SVMW-05	5/25/94	14:09	14:09	29.34	21.0	0.6	20	NA	(0.1)	20.1	79.9	
SVMW-05	5/25/94	14:25	14:25	29.34	41.5	1.2	10	NA	1.2	19.7	79.1	0.061
SVMW-05	5/25/94	14:25	14:38	29.34	41.5	-	100	NA	NA	NA	NA	
SVMW-05	6/27/94	10:48	10:48	29.34	6.0	0.17	50	NA	0.5	21	78.6	0.024
SVMW-05	6/27/94	10:48	10:57	29.34	6.0	-	10	NA	NA	NA	NA	
SVMW-05	6/27/94	10:48	11:04	29.34	6.0	-	50	NA	NA	NA	NA	
SVMW-05	6/27/94	11:15	11:16	29.34	21.0	0.6	100	NA	0.5	21.1	78.4	0.024
SVMW-05	6/27/94	11:28	11:28	29.34	42.0	1.2	10	NA	0.7	19.1	80.2	0.037
SVMW-05	6/27/94	11:28	11:37	29.34	42.0	-	100	NA	NA	NA	NA	
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	NA	NA	NA	0.085
SVMW-06	6/16/93	14:44	14:44	NR	5.0	150 ml	-	NA	1.5	17.7	80.8	0.08
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	3.9	NA	(1000)	NA	3.4	1.1	(1000)
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	5.4	NA	(1000)	NA	3.9	1.4	(1000)
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	5.2	NA	(1000)	NA	3.8	1.3	(1000)
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/20/94	11:33	11:33	29.38	34.0	1	100	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/20/94	11:33	11:42	29.38	34.0	-	50	0.71	(1)	(1)	(0.01)	0.48	0.26	(1)
SVMW-06	6/28/94	12:05	12:05	29.34	5.0	0.15	50	NA	(1)	(1)	ˆ0.043	0.54	0.31	(1)
SVMW-06	6/28/94	12:05	12:16	29.34	5.0	-	10	0.73	NA	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:23	12:24	29.34	20.0	0.6	10	1.1	(10)	(10)	(0.1)	0.82	0.43	(10)
SVMW-06	6/28/94	12:35	12:36	29.34	34.0	1	10	1.4	(10)	(10)	(0.1)	1.1	0.52	(10)
SVMW-06	7/28/94	14:34	14:34	NR	34.0	1	100	2.3	(100)	(100)	(1)	3.1	0.7	(100)
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	8.3	NA	(1000)	NA	300	1.4	(1000)
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	11	NA	(10000)	NA	NA	(10)	(10000)
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	1600	NA	NA
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	11	NA	(10000)	NA	1900	(10)	(10000)
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	5/17/94	09:57	09:58	NR	5.0	140	30	5	(1000)	(1000)	(10)	250	1.4	(1000)
SVMW-08	5/17/94	10:24	10:24	29.35	20.0	500	10	6.5	(1000)	(1000)	(10)	570	3.5	(1000)
SVMW-08	5/17/94	10:24	11:27	29.35	20.0	-	50	NA	(1)	(1)	(0.01)	NA	NA	(1)
SVMW-08	6/20/94	12:56	12:57	29.36	5.0	0.15	50	6.5	NA	NA	(1)	310	1.5	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ˆ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	170	NA	18	NA	(1)	(1)	(1000)
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	310	NA	25	NA	(1)	(1)	(1000)
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	300	NA	22	NA	(1)	(1)	(1000)
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/20/94	11:33	11:33	29.38	34.0	1	100	25	(10)	3	NA	(1)	(1)	(1)
SVMW-06	6/20/94	11:33	11:42	29.38	34.0	-	50	NA	(0.1)	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:05	12:05	29.34	5.0	0.15	50	NA	(0.1)	NA	NA	(1)	(1)	(1)
SVMW-06	6/28/94	12:05	12:16	29.34	5.0	-	10	22	NA	4.6	NA	NA	NA	NA
SVMW-06	6/28/94	12:23	12:24	29.34	20.0	0.6	10	30	(1)	3.9	NA	(1)	(1)	(1)
SVMW-06	6/28/94	12:35	12:36	29.34	34.0	1	10	43	(1)	5.6	NA	(1)	(1)	(1)
SVMW-06	7/28/94	14:34	14:34	NR	34.0	1	100	100	(10)	9	NA	(1)	4.8	(1)
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	15	NA	30	NA	(1)	3.5	(1000)
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	72	NA	71	NA	(1)	8.5	(10000)
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	75	NA	69	NA	(1)	NA	(10000)
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	42	NA
SVMW-08	5/17/94	09:57	09:58	NR	5.0	140	30	12	(100)	16	(100)	(1)	26	(1)
SVMW-08	5/17/94	10:24	10:24	29.35	20.0	500	10	^30	(100)	47	(100)	(1)	33	(1)
SVMW-08	5/17/94	10:24	11:27	29.35	20.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/20/94	12:56	12:57	29.36	5.0	0.15	50	16	(10)	25	NA	(1)	20	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	(1000)	(1)	(1)	(1)	(1)	(1)	28
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	(1000)	(1)	(1)	(1)	(1)	(1)	19
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	18
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/20/94	11:33	11:33	29.38	34.0	1	100	(1)	(1)	(1)	(1)	(1)	(1)	5.3
SVMW-06	6/20/94	11:33	11:42	29.38	34.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:05	12:05	29.34	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	5.4
SVMW-06	6/28/94	12:05	12:16	29.34	5.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:23	12:24	29.34	20.0	0.6	10	(1)	(1)	(1)	(1)	(1)	(1)	7.7
SVMW-06	6/28/94	12:35	12:36	29.34	34.0	1	10	(1)	(1)	(1)	(1)	(1)	(1)	7.7
SVMW-06	7/28/94	14:34	14:34	NR	34.0	1	100	(1)	(1)	(1)	(1)	(1)	(1)	12
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	(1000)	(1)	(1)	(1)	(1)	(1)	110
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	(10000)	(1)	(1)	(1)	(1)	(1)	160
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	(10000)	(1)	(1)	(1)	(1)	(1)	170
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	5/17/94	09:57	09:58	NR	5.0	140	30	5.2	(1)	(1)	(1)	(1)	(1)	140
SVMW-08	5/17/94	10:24	10:24	29.35	20.0	500	10	(1)	(1)	(1)	(1)	(1)	(1)	230
SVMW-08	5/17/94	10:24	11:27	29.35	20.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/20/94	12:56	12:57	29.36	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	330

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=di[illegible]oethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/20/94	11:33	11:33	29.38	34.0	1	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-06	6/20/94	11:33	11:42	29.38	34.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:05	12:05	29.34	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:05	12:16	29.34	5.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:23	12:24	29.34	20.0	0.6	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-06	6/28/94	12:35	12:36	29.34	34.0	1	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-06	7/28/94	14:34	14:34	NR	34.0	1	100	NA	(1)	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-08	5/17/94	09:57	09:58	NR	5.0	140	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-08	5/17/94	10:24	10:24	29.35	20.0	500	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-08	5/17/94	10:24	11:27	29.35	20.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/20/94	12:56	12:57	29.36	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-06	6/16/93	14:44	14:55	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	1.0	17.7	81.2	0.06
SVMW-06	6/16/93	15:08	15:08	NR	20.0	0.6	18	NA	NA	NA	NA	0.056
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	1.3	16.9	81.7	0.08
SVMW-06	6/16/93	15:32	15:32	NR	34.0	1.0	20	NA	NA	NA	NA	0.077
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	1.5	17.3	81.2	0.087
SVMW-06(X)	6/16/93	15:35	15:44	NR	34.0	-	-	NA	NA	NA	NA	0.09
SVMW-06	6/20/94	11:33	11:33	29.38	34.0	1	100	NA	1.1	19.9	79	0.055
SVMW-06	6/20/94	11:33	11:42	29.38	34.0	-	50	NA	NA	NA	NA	
SVMW-06	6/28/94	12:05	12:05	29.34	5.0	0.15	50	NA	1.2	19.5	79.3	0.062
SVMW-06	6/28/94	12:05	12:16	29.34	5.0	-	10	NA	NA	NA	NA	
SVMW-06	6/28/94	12:23	12:24	29.34	20.0	0.6	10	NA	1.3	19.3	79.4	0.067
SVMW-06	6/28/94	12:35	12:36	29.34	34.0	1	10	NA	1.1	19.4	79.5	0.057
SVMW-06	7/28/94	14:34	14:34	NR	34.0	1	100	NA	1.4	18.8	79.8	0.074
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	0.6	17.4	82	0.03
SVMW-08	6/17/93	13:05	13:05	NR	5.0	150 ml	-	NA	NA	NA	NA	0.034
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	0.7	16.7	82.7	0.04
SVMW-08	6/17/93	13:23	13:23	NR	20.0	0.6	18	NA	NA	NA	NA	0.042
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	
SVMW-08	6/17/93	13:23	13:33	NR	20.0	-	-	NA	NA	NA	NA	NA
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	0.8	16.2	82.9	0.05
SVMW-08	6/17/93	13:45	13:45	NR	33.5	1.0	15	NA	NA	NA	NA	0.049
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	
SVMW-08	6/17/93	13:45	14:00	NR	33.5	-	-	NA	NA	NA	NA	NA
SVMW-08	5/17/94	09:57	09:58	NR	5.0	140	30	NA	1	18.3	80.6	0.055
SVMW-08	5/17/94	10:24	10:24	29.35	20.0	500	10	NA	0.8	19.7	79.5	0.041
SVMW-08	5/17/94	10:24	11:27	29.35	20.0	-	50	NA	NA	NA	NA	
SVMW-08	6/20/94	12:56	12:57	29.36	5.0	0.15	50	NA	1.2	19.2	79.7	0.062

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-08	6/20/94	12:56	13:09	29.36	5.0	-	50	NA	(1)	(1)	NA	NA	NA	(1)
SVMW-08	6/20/94	13:23	13:23	29.35	33.0	1	30	4.2	(1000)	(1000)	(10)	350	2.1	(1000)
SVMW-08	6/20/94	13:35	13:36	29.35	20.0	0.6	30	5.2	(1000)	(1000)	(10)	380	2.3	(1000)
SVMW-08	7/28/94	14:58	14:58	NR	20.0	0.6	20	7.7	(1000)	(1000)	(10)	660	6.2	(1000)
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	2.9	NA	(1000)	NA	31	3.8	(1000)
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	17	NA	(1000)	NA	26	23	(1000)
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	8.7	NA	(1000)	NA	43	14	(1000)
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-10	5/17/94	09:20	09:20	NR	5.0	140	50	NA	MI	(1)	NA	NA	NA	MI
SVMW-10	5/17/94	09:20	09:34	NR	5.0	-	200	2.4	(100)	NA	(1)	30	3.3	(100)
SVMW-10	6/20/94	13:55	13:56	29.34	5.0	0.15	200	2.8	NA	NA	NA	33	3.4	NA
SVMW-10	6/20/94	13:55	14:07	29.34	5.0	-	40	NA	(1)	(1)	(0.01)	NA	NA	(1)
SVMW-10	6/20/94	14:17	14:18	29.34	20.0	0.6	100	14	(100)	(100)	(1)	28	17	(100)
SVMW-10	6/20/94	14:34	14:34	29.34	30.0	0.8	50	14	(100)	(100)	(1)	27	16	(100)
SVMW-11	5/25/94	10:52	10:52	29.35	20.5	0.6	50	0.015	(1)	(1)	(0.01)	0.11	(0.001)	(1)
SVMW-11	5/25/94	11:07	11:07	29.34	30.5	0.9	50	0.052	(1)	(1)	(0.01)	0.19	0.01	(1)
SVMW-11	6/27/94	13:04	13:05	29.33	5.0	0.15	50	0.018	(1)	(1)	(0.01)	0.52	(0.001)	(1)
SVMW-11	6/27/94	13:29	13:29	29.32	20.0	0.6	50	0.027	(1)	(1)	(0.01)	0.3	(0.001)	(1)
SVMW-11	6/27/94	13:43	13:43	29.32	32.0	0.9	50	0.12	(1)	(1)	(0.01)	0.32	0.018	(1)
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	0.21	NA	(10)	NA	0.3	0.023	(10)
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	1.4	NA	(10)	NA	1.8	0.5	(10)
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	0.57	NA	(10)	NA	0.95	0.15	(10)
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:33	10:33	29.35	5.0	0.15	50	0.098	(1)	(1)	(0.01)	0.33	0.012	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-08	6/20/94	12:56	13:09	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/20/94	13:23	13:23	29.35	33.0	1	30	21	(100)	30	NA	(1)	25	(1)
SVMW-08	6/20/94	13:35	13:36	29.35	20.0	0.6	30	24	(100)	32	NA	(1)	29	(1)
SVMW-08	7/28/94	14:58	14:58	NR	20.0	0.6	20	84	(100)	54	NA	(1)	30	(1)
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	27	NA	28	NA	(1)	10	(1000)
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	160	NA	98	NA	(1)	13	(1000)
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	97	NA	74	NA	(1)	7.3	(1000)
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-10	5/17/94	09:20	09:20	NR	5.0	140	50	NA	(0.1)	NA	(0.1)	(1)	10	(1)
SVMW-10	5/17/94	09:20	09:34	NR	5.0	-	200	12	NA	13	NA	NA	NA	NA
SVMW-10	6/20/94	13:55	13:56	29.34	5.0	0.15	200	13	NA	15	NA	(1)	9.7	(1)
SVMW-10	6/20/94	13:55	14:07	29.34	5.0	-	40	NA	(0.1)	NA	NA	NA	NA	NA
SVMW-10	6/20/94	14:17	14:18	29.34	20.0	0.6	100	54	(10)	40	NA	(1)	12	(1)
SVMW-10	6/20/94	14:34	14:34	29.34	30.0	0.8	50	50	(10)	36	NA	(1)	12	(1)
SVMW-11	5/25/94	10:52	10:52	29.35	20.5	0.6	50	(0.01)	(0.1)	0.027	(0.1)	(1)	(1)	(1)
SVMW-11	5/25/94	11:07	11:07	29.34	30.5	0.9	50	^0.061	(0.1)	0.076	(0.1)	(1)	^1.6	(1)
SVMW-11	6/27/94	13:04	13:05	29.33	5.0	0.15	50	(0.01)	(0.1)	0.05	NA	(1)	6.6	(1)
SVMW-11	6/27/94	13:29	13:29	29.32	20.0	0.6	50	^0.022	(0.1)	0.05	NA	(1)	2.6	(1)
SVMW-11	6/27/94	13:43	13:43	29.32	32.0	0.9	50	0.096	(0.1)	0.13	NA	(1)	2.6	(1)
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	2.3	NA	0.29	NA	(1)	(1)	(10)
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	15	NA	0.55	NA	(1)	(1)	(10)
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	5.3	NA	0.35	NA	(1)	(1)	(10)
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:33	10:33	29.35	5.0	0.15	50	1.6	(0.1)	0.26	NA	(1)	(1)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-08	6/20/94	12:56	13:09	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/20/94	13:23	13:23	29.35	33.0	1	30	^1.3	(1)	(1)	(1)	(1)	(1)	410
SVMW-08	6/20/94	13:35	13:36	29.35	20.0	0.6	30	(1)	(1)	(1)	(1)	(1)	(1)	620
SVMW-08	7/28/94	14:58	14:58	NR	20.0	0.6	20	1.7	(1)	(1)	(1)	(1)	(1)	1000
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	(1000)	(1)	(1)	(1)	(1)	(1)	46
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	340
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	(1000)	(1)	(1)	(1)	(1)	(1)	160
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-10	5/17/94	09:20	09:20	NR	5.0	140	50	2.2	(1)	(1)	(1)	(1)	(1)	NA
SVMW-10	5/17/94	09:20	09:34	NR	5.0	-	200	NA	NA	NA	NA	NA	NA	37
SVMW-10	6/20/94	13:55	13:56	29.34	5.0	0.15	200	2.5	(1)	(1)	(1)	(1)	(1)	44
SVMW-10	6/20/94	13:55	14:07	29.34	5.0	-	40	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/20/94	14:17	14:18	29.34	20.0	0.6	100	6.5	(1)	(1)	(1)	(1)	(1)	150
SVMW-10	6/20/94	14:34	14:34	29.34	30.0	0.8	50	6.7	(1)	(1)	(1)	(1)	(1)	210
SVMW-11	5/25/94	10:52	10:52	29.35	20.5	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	4.8
SVMW-11	5/25/94	11:07	11:07	29.34	30.5	0.9	50	(1)	(1)	(1)	(1)	(1)	(1)	11
SVMW-11	6/27/94	13:04	13:05	29.33	5.0	0.15	50	3.9	(1)	(1)	(1)	(1)	(1)	4.1
SVMW-11	6/27/94	13:29	13:29	29.32	20.0	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	8.2
SVMW-11	6/27/94	13:43	13:43	29.32	32.0	0.9	50	(1)	(1)	(1)	(1)	(1)	(1)	20
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	54
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	(10)	(1)	(1)	(1)	(1)	(1)	140
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	(10)	(1)	(1)	(1)	(1)	(1)	93
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:33	10:33	29.35	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-08	6/20/94	12:56	13:09	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-08	6/20/94	13:23	13:23	29.35	33.0	1	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-08	6/20/94	13:35	13:36	29.35	20.0	0.6	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-08	7/28/94	14:58	14:58	NR	20.0	0.6	20	NA	(1)	NA	NA	NA	NA	NA
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-10	5/17/94	09:20	09:20	NR	5.0	140	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-10	5/17/94	09:20	09:34	NR	5.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/20/94	13:55	13:56	29.34	5.0	0.15	200	(1)	(1)	NA	NA	NA	NA	NA
SVMW-10	6/20/94	13:55	14:07	29.34	5.0	-	40	NA	NA	NA	NA	NA	NA	NA
SVMW-10	6/20/94	14:17	14:18	29.34	20.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-10	6/20/94	14:34	14:34	29.34	30.0	0.8	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-11	5/25/94	10:52	10:52	29.35	20.5	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-11	5/25/94	11:07	11:07	29.34	30.5	0.9	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-11	6/27/94	13:04	13:05	29.33	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-11	6/27/94	13:29	13:29	29.32	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-11	6/27/94	13:43	13:43	29.32	32.0	0.9	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:33	10:33	29.35	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-08	6/20/94	12:56	13:09	29.36	5.0	-	50	NA	NA	NA	NA	
SVMW-08	6/20/94	13:23	13:23	29.35	33.0	1	30	NA	0.6	18.5	80.8	0.032
SVMW-08	6/20/94	13:35	13:36	29.35	20.0	0.6	30	NA	1	18	81	0.056
SVMW-08	7/28/94	14:58	14:58	NR	20.0	0.6	20	NA	0.9	18.5	80.6	0.049
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	0.4	18.9	80.7	0.02
SVMW-10	6/15/93	11:06	11:06	NR	5.0	150 ml	-	NA	NA	NA	NA	0.021
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	0.6	15.2	84.2	0.039
SVMW-10	6/15/93	11:23	11:23	NR	30.0	-	-	NA	NA	NA	NA	0.04
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	0.4	16.9	82.7	0.02
SVMW-10	6/17/93	12:47	12:47	NR	20.0	0.6	18	NA	NA	NA	NA	0.024
SVMW-10	5/17/94	09:20	09:20	NR	5.0	140	50	NA	0.5	20.2	79.3	0.025
SVMW-10	5/17/94	09:20	09:34	NR	5.0	-	200	NA	NA	NA	NA	
SVMW-10	6/20/94	13:55	13:56	29.34	5.0	0.15	200	NA	0.6	19.7	79.7	0.030
SVMW-10	6/20/94	13:55	14:07	29.34	5.0	-	40	NA	NA	NA	NA	
SVMW-10	6/20/94	14:17	14:18	29.34	20.0	0.6	100	NA	1	16.8	82.2	0.060
SVMW-10	6/20/94	14:34	14:34	29.34	30.0	0.8	50	NA	1	16.1	82.9	0.062
SVMW-11	5/25/94	10:52	10:52	29.35	20.5	0.6	50	NA	1	19.2	79.8	0.052
SVMW-11	5/25/94	11:07	11:07	29.34	30.5	0.9	50	NA	2.8	15.8	81.3	0.177
SVMW-11	6/27/94	13:04	13:05	29.33	5.0	0.15	50	NA	1.8	19.5	78.8	0.092
SVMW-11	6/27/94	13:29	13:29	29.32	20.0	0.6	50	NA	1.8	17.9	80.3	0.101
SVMW-11	6/27/94	13:43	13:43	29.32	32.0	0.9	50	NA	4.2	15.3	80.4	0.275
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	2.7	16.6	80.7	0.163
SVMW-13	6/14/93	10:37	10:37	NR	5.0	150 ml	-	NA	NA	NA	NA	0.16
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	1.8	16.1	82.1	0.11
SVMW-13	6/14/93	10:55	10:55	NR	20.0	0.6	18	NA	NA	NA	NA	0.112
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	2	16.5	81.5	0.12
SVMW-13	6/14/93	11:24	11:24	NR	33.0	1.0	20	NA	NA	NA	NA	0.121
SVMW-13	6/22/94	10:33	10:33	29.35	5.0	0.15	50	NA	4.1	16.4	79.6	0.250

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-13	6/22/94	10:33	10:43	29.35	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:50	10:50	29.35	20.0	0.6	20	0.72	(10)	(10)	(0.1)	1	0.27	(10)
SVMW-13	6/22/94	11:06	11:06	29.35	30.0	1	10	0.21	(10)	(10)	(0.1)	0.7	0.066	(10)
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	NA	(1)	NA	0.069	NA	(1)
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	0.32	NA	NA	NA	NA	0.084	NA
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	0.8	NA	(10)	NA	0.073	0.3	(10)
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	NA	(10)	NA	0.067	NA	(10)
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	2.6	NA	NA	NA	NA	0.86	NA
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:08	09:11	29.36	8.0	0.2	50	0.14	(1)	(1)	(0.01)	0.052	0.024	(1)
SVMW-14	6/22/94	09:21	09:22	29.36	20.0	0.6	50	0.67	(1)	(1)	(0.01)	0.034	0.24	(1)
SVMW-14	6/22/94	09:32	09:32	29.36	30.0	0.9	20	NA	(10)	(10)	(0.1)	0.082	NA	(10)
SVMW-14	6/22/94	09:32	09:43	29.36	30.0	-	10	2.7	NA	NA	NA	NA	1.4	NA
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	0.19	NA	(10)	NA	0.2	(0.01)	(10)
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	NA	(10)	NA	0.18	0.18	(10)
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	0.96	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	0.43	NA	(10)	NA	0.11	0.027	(10)
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/22/94	09:51	09:51	29.36	5.0	0.15	50	0.093	(1)	(1)	(0.01)	0.046	(0.001)	(1)
SVMW-15	6/22/94	10:01	10:02	29.36	20.0	0.6	20	0.55	(10)	(10)	(0.1)	0.18	0.098	(10)
SVMW-15	6/22/94	10:19	10:19	29.36	30.0	0.9	10	0.13	(10)	(10)	(0.1)	(0.01)	(0.01)	(10)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-13	6/22/94	10:33	10:43	29.35	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:50	10:50	29.35	20.0	0.6	20	9.4	(1)	0.28	NA	(1)	(1)	(1)
SVMW-13	6/22/94	11:06	11:06	29.35	30.0	1	10	2.9	(1)	0.21	NA	(1)	(1)	(1)
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	1.3	NA	0.08	NA	(1)	(1)	(1)
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	3.1	NA	0.13	NA	(1)	(1)	(10)
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	9.8	NA	0.21	NA	(1)	(1)	(10)
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:08	09:11	29.36	8.0	0.2	50	0.42	(0.1)	0.032	NA	(1)	(1)	(1)
SVMW-14	6/22/94	09:21	09:22	29.36	20.0	0.6	50	0.98	(0.1)	0.039	NA	(1)	(1)	(1)
SVMW-14	6/22/94	09:32	09:32	29.36	30.0	0.9	20	6.9	(1)	0.21	NA	(1)	(1)	(1)
SVMW-14	6/22/94	09:32	09:43	29.36	30.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	0.06	NA	0.29	NA	(1)	(1)	(10)
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	1.2	NA	0.17	NA	(1)	(1)	(10)
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	0.25	NA	0.076	NA	(1)	(1)	(10)
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/22/94	09:51	09:51	29.36	5.0	0.15	50	^0.055	(0.1)	0.083	NA	(1)	(1)	(1)
SVMW-15	6/22/94	10:01	10:02	29.36	20.0	0.6	20	0.49	(1)	0.1	NA	(1)	(1)	(1)
SVMW-15	6/22/94	10:19	10:19	29.36	30.0	0.9	10	^0.18	(1)	^0.058	NA	(1)	(1)	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichl[illegible]ethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroeth[illegible]

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-13	6/22/94	10:33	10:43	29.35	5.0	-	-	NA	NA	NA	NA	NA	NA	22
SVMW-13	6/22/94	10:50	10:50	29.35	20.0	0.6	20	(1)	(1)	(1)	(1)	(1)	(1)	67
SVMW-13	6/22/94	11:06	11:06	29.35	30.0	1	10	(1)	(1)	(1)	(1)	(1)	(1)	32
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	(1)	(1)	(1)	(1)	(1)	(1)	2.4
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	(10)	(1)	(1)	(1)	(1)	(1)	5.7
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	(10)	(1)	(1)	(1)	(1)	(1)	5.8
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:08	09:11	29.36	8.0	0.2	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-14	6/22/94	09:21	09:22	29.36	20.0	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	2.6
SVMW-14	6/22/94	09:32	09:32	29.36	30.0	0.9	20	(1)	(1)	(1)	(1)	(1)	(1)	8.6
SVMW-14	6/22/94	09:32	09:43	29.36	30.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	3.1
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	(10)	(1)	(1)	(1)	(1)	(1)	NA
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	14
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	(10)	(1)	(1)	(1)	(1)	(1)	5
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/22/94	09:51	09:51	29.36	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	3.6
SVMW-15	6/22/94	10:01	10:02	29.36	20.0	0.6	20	(1)	(1)	(1)	(1)	(1)	(1)	15
SVMW-15	6/22/94	10:19	10:19	29.36	30.0	0.9	10	(1)	(1)	(1)	(1)	(1)	(1)	3.7

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-13	6/22/94	10:33	10:43	29.35	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-13	6/22/94	10:50	10:50	29.35	20.0	0.6	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-13	6/22/94	11:06	11:06	29.35	30.0	1	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:08	09:11	29.36	8.0	0.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:21	09:22	29.36	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:32	09:32	29.36	30.0	0.9	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-14	6/22/94	09:32	09:43	29.36	30.0	-	10	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-15	6/22/94	09:51	09:51	29.36	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-15	6/22/94	10:01	10:02	29.36	20.0	0.6	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-15	6/22/94	10:19	10:19	29.36	30.0	0.9	10	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-13	6/22/94	10:33	10:43	29.35	5.0	-	-	NA	NA	NA	NA	
SVMW-13	6/22/94	10:50	10:50	29.35	20.0	0.6	20	NA	2.6	17.4	80	0.149
SVMW-13	6/22/94	11:06	11:06	29.35	30.0	1	10	NA	2.8	17	80.2	0.165
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	NA	NA	NA	0.750
SVMW-14	6/15/93	09:09	09:09	NR	7.5	225 ml	-	NA	7.8	10.4	81.9	0.75
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	
SVMW-14	6/15/93	09:09	09:24	NR	7.5	-	-	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	5.7	11.9	82.4	0.48
SVMW-14	6/15/93	09:33	09:33	NR	20.0	-	-	NA	NA	NA	NA	0.479
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	NA	NA	NA	0.407
SVMW-14	6/15/93	09:50	09:50	NR	30.0	-	-	NA	5.0	12.3	82.6	0.41
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	NA
SVMW-14	6/15/93	09:50	10:06	NR	30.0	-	-	NA	NA	NA	NA	
SVMW-14	6/22/94	09:08	09:11	29.36	8.0	0.2	50	NA	7.3	13.2	79.5	0.553
SVMW-14	6/22/94	09:21	09:22	29.36	20.0	0.6	50	NA	6	13.9	80.1	0.432
SVMW-14	6/22/94	09:32	09:32	29.36	30.0	0.9	20	NA	5	14.9	80.1	0.336
SVMW-14	6/22/94	09:32	09:43	29.36	30.0	-	10	NA	NA	NA	NA	
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	3.6	16.8	79.7	0.21
SVMW-15	6/14/93	09:30	09:30	NR	5.0	150 ml	-	NA	NA	NA	NA	0.214
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	NA	NA	NA	0.123
SVMW-15	6/14/93	09:49	09:49	NR	20.0	0.6	18	NA	1.9	15.4	82.7	0.12
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	NA
SVMW-15	6/14/93	09:49	10:04	NR	20.0	-	-	NA	NA	NA	NA	
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	3.5	16.1	80.4	0.22
SVMW-15	6/14/93	10:12	10:12	NR	30.0	0.9	18	NA	NA	NA	NA	0.217
SVMW-15	6/22/94	09:51	09:51	29.36	5.0	0.15	50	NA	5.8	15.7	78.5	0.369
SVMW-15	6/22/94	10:01	10:02	29.36	20.0	0.6	20	NA	3.2	17	79.8	0.188
SVMW-15	6/22/94	10:19	10:19	29.36	30.0	0.9	10	NA	3.1	16.1	80.8	0.193

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	NA	(10)	NA	0.26	0.15	(10)
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	0.99	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	(10)	NA	0.4	NA	(10)
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	1.3	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	3.3	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	NA	(100)	NA	2.6	3.9	(100)
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	19	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:21	15:21	29.34	5.0	0.15	50	0.14	(1)	(1)	(0.01)	0.068	0.008	(1)
SVMW-16	6/20/94	15:35	15:35	29.34	20.0	0.6	50	0.51	(1)	(1)	0.089	0.098	0.37	(1)
SVMW-16	6/20/94	15:51	15:51	29.34	40.0	1	30	NA	(10)	(10)	0.39	0.29	NA	(10)
SVMW-16	6/20/94	15:51	16:02	29.34	40.0	-	200	3.4	NA	NA	NA	NA	1.8	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	NA	(10)	NA	0.19	NA	(10)
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	2.2	NA	NA	NA	NA	0.51	NA
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	4.4	NA	(100)	NA	2	1.5	(100)
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	14:49	14:49	29.34	5.0	0.15	50	NA	(1)	(1)	0.14	0.18	NA	(1)
SVMW-17	6/20/94	14:49	15:01	29.34	5.0	-	20	1.3	NA	NA	NA	NA	0.51	NA
SVMW-17	6/20/94	15:09	15:10	29.34	20.0	0.6	10	3.4	(10)	(10)	^0.17	0.28	1.7	(10)
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	8.9	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	1.5	NA	0.1	NA	(1)	(1)	(10)
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	0.85	NA	(1)	(1)	(10)
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	20	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	64	NA	2.6	NA	(1)	(1)	(100)
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:21	15:21	29.34	5.0	0.15	50	0.11	(0.1)	0.021	NA	(1)	2.8	(1)
SVMW-16	6/20/94	15:35	15:35	29.34	20.0	0.6	50	3.3	(0.1)	0.17	NA	(1)	2.7	(1)
SVMW-16	6/20/94	15:51	15:51	29.34	40.0	1	30	15	(1)	0.79	NA	(1)	2.4	(1)
SVMW-16	6/20/94	15:51	16:02	29.34	40.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	3.4	NA	0.71	NA	(1)	(1)	(10)
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	14	NA	1.9	NA	(1)	(1)	(100)
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	14:49	14:49	29.34	5.0	0.15	50	2.8	(0.1)	0.72	NA	(1)	5.4	(1)
SVMW-17	6/20/94	14:49	15:01	29.34	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	15:09	15:10	29.34	20.0	0.6	10	9.7	(1)	1.2	NA	(1)	3.4	(1)
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	NA	NA	NA	(1)	(1)	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	0.29
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	(10)	(1)	(1)	(1)	(1)	(1)	1.8
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	(100)	(1)	(1)	(1)	(1)	(1)	2.6
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:21	15:21	29.34	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-16	6/20/94	15:35	15:35	29.34	20.0	0.6	50	2.5	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-16	6/20/94	15:51	15:51	29.34	40.0	1	30	(1)	(1)	(1)	(1)	(1)	(1)	2.9
SVMW-16	6/20/94	15:51	16:02	29.34	40.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	2.8
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	(100)	(1)	(1)	(1)	(1)	(1)	6.9
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	14:49	14:49	29.34	5.0	0.15	50	9.7	(1)	(1)	(1)	(1)	(1)	2.4
SVMW-17	6/20/94	14:49	15:01	29.34	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	15:09	15:10	29.34	20.0	0.6	10	(1)	(1)	(1)	(1)	(1)	(1)	4.6
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	(1)	(1)	(1)	(1)	(1)	0.3

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=[illegible]loroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:21	15:21	29.34	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:35	15:35	29.34	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:51	15:51	29.34	40.0	1	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-16	6/20/94	15:51	16:02	29.34	40.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	14:49	14:49	29.34	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-17	6/20/94	14:49	15:01	29.34	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-17	6/20/94	15:09	15:10	29.34	20.0	0.6	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	(50)	NA	NA	(0.1)	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	NA	NA	NA	0.049
SVMW-16	6/14/93	13:19	13:19	NR	5.0	150 ml	-	NA	0.9	18.4	80.7	0.05
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:19	13:35	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	NA	NA	NA	0.063
SVMW-16	6/14/93	13:45	13:45	NR	20.0	0.6	18	NA	1.1	17.4	81.5	0.06
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	NA
SVMW-16	6/14/93	13:45	14:00	NR	20.0	-	-	NA	NA	NA	NA	
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	
SVMW-16	6/14/93	13:45	14:08	NR	20.0	-	-	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	NA	NA	NA	0.101
SVMW-16	6/14/93	14:16	14:16	NR	40.0	1.2	24	NA	1.6	15.8	82.7	0.1
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	NA
SVMW-16	6/14/93	14:16	14:31	NR	40.0	-	-	NA	NA	NA	NA	
SVMW-16	6/20/94	15:21	15:21	29.34	5.0	0.15	50	NA	1.1	20.3	78.6	0.054
SVMW-16	6/20/94	15:35	15:35	29.34	20.0	0.6	50	NA	0.8	20	79.1	0.040
SVMW-16	6/20/94	15:51	15:51	29.34	40.0	1	30	NA	1.3	18.8	79.9	0.069
SVMW-16	6/20/94	15:51	16:02	29.34	40.0	-	200	NA	NA	NA	NA	
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	NA	NA	NA	0.14
SVMW-17	6/14/93	14:38	14:38	NR	5.0	150 ml	-	NA	2.3	16.3	81.4	0.141
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-17	6/14/93	14:38	14:53	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	2.3	15.6	82.1	0.15
SVMW-17	6/14/93	15:04	15:04	NR	20.0	0.6	18	NA	NA	NA	NA	0.147
SVMW-17	6/20/94	14:49	14:49	29.34	5.0	0.15	50	NA	2.7	18.6	78.7	0.145
SVMW-17	6/20/94	14:49	15:01	29.34	5.0	-	20	NA	NA	NA	NA	
SVMW-17	6/20/94	15:09	15:10	29.34	20.0	0.6	10	NA	2.4	18.3	79.3	0.131
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	1.9	17.2	80.9	0.110

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ' = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	(10)	NA	1.7	(0.01)	(10)
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	2.8	NA	(100)	NA	7.3	0.15	(100)
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	3.1	NA	(100)	NA	9.1	0.23	(100)
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	3.3	NA	(100)	NA	9.8	0.25	(100)
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:31	12:31	29.34	5.0	0.15	50	NA	(1)	(1)	(0.01)	0.26	(0.001)	(1)
SVMW-18	6/22/94	12:31	12:41	29.34	5.0	-	100	12	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:49	12:49	29.34	20.0	0.6	10	NA	(10)	(10)	(0.1)	1.4	0.056	(10)
SVMW-18	6/22/94	12:49	12:58	29.34	20.0	-	200	5.2	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	13:07	13:08	29.34	30.0	0.9	10	2.8	(10)	(10)	(0.1)	1.1	0.048	(10)
SVMW-19	5/25/94	13:13	13:13	29.34	19.5	0.6	50	0.046	(1)	(1)	(0.01)	0.029	0.008	(1)
SVMW-19	5/25/94	13:27	13:27	29.34	40.5	1.2	50	0.42	(10)	(10)	(0.1)	3.3	0.96	(10)
SVMW-19	6/27/94	13:58	13:58	29.31	5.0	0.15	50	0.088	(1)	(1)	(0.01)	0.028	0.005	(1)
SVMW-19	6/27/94	14:15	14:15	29.31	20.0	0.6	50	0.07	(1)	(1)	^0.024	0.034	0.012	(1)
SVMW-19	6/27/94	14:30	14:30	29.3	42.0	1.2	50	0.3	(1)	(1)	0.12	0.11	0.083	(1)
SVMW-19(X)	6/27/94	14:30	14:47	29.3	42.0	-	50	0.27	(1)	(1)	0.12	0.1	0.074	(1)
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	0.039	NA	(1)	NA	0.061	0.005	(1)
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	0.06	NA	(10)	NA	0.075	0.016	(10)
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/22/94	14:12	14:14	29.31	5.0	0.15	50	0.037	(1)	(1)	(0.01)	0.077	0.006	(1)
SVMW-20	6/22/94	14:26	14:27	29.31	20.0	0.6	50	0.075	(1)	(1)	(0.01)	0.094	0.026	(1)
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	0.44	NA	(100)	NA	2.6	(0.1)	(100)
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	0.66	NA	0.056	NA	NA	NA	(10)
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	9.5	NA	0.7	NA	(1)	(1)	(100)
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	15	NA	0.72	NA	(1)	(1)	(100)
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	17	NA	0.86	NA	(1)	(1)	(100)
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:31	12:31	29.34	5.0	0.15	50	^0.058	(0.1)	^0.017	NA	(1)	4	(1)
SVMW-18	6/22/94	12:31	12:41	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:49	12:49	29.34	20.0	0.6	10	1.6	(1)	0.12	NA	(1)	^1.4	(1)
SVMW-18	6/22/94	12:49	12:58	29.34	20.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	13:07	13:08	29.34	30.0	0.9	10	1	(1)	^0.085	NA	(1)	(1)	(1)
SVMW-19	5/25/94	13:13	13:13	29.34	19.5	0.6	50	0.18	(0.1)	0.21	(0.1)	(1)	(1)	(1)
SVMW-19	5/25/94	13:27	13:27	29.34	40.5	1.2	50	1.9	(1)	0.34	(1)	(1)	2.6	(1)
SVMW-19	6/27/94	13:58	13:58	29.31	5.0	0.15	50	0.13	(0.1)	0.25	NA	(1)	2	(1)
SVMW-19	6/27/94	14:15	14:15	29.31	20.0	0.6	50	0.3	(0.1)	0.35	NA	(1)	(1)	(1)
SVMW-19	6/27/94	14:30	14:30	29.3	42.0	1.2	50	2.2	(0.1)	1.2	NA	(1)	2.1	(1)
SVMW-19(X)	6/27/94	14:30	14:47	29.3	42.0	-	50	1.9	(0.1)	1	NA	(1)	2.6	(1)
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	0.39	NA	0.31	NA	(1)	3.8	(1)
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	1.1	NA	0.46	NA	(1)	(1)	(10)
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/22/94	14:12	14:14	29.31	5.0	0.15	50	0.12	(0.1)	0.2	NA	(1)	(1)	(1)
SVMW-20	6/22/94	14:26	14:27	29.31	20.0	0.6	50	0.77	(0.1)	0.44	NA	(1)	(1)	(1)
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	47	NA	1.2	NA	(1)	(1)	(100)
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trich[illegible]ethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroeth[illegible]

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	(10)	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	(100)	(1)	(1)	(1)	(1)	(1)	0.88
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	(100)	(1)	(1)	(1)	(1)	(1)	1.2
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	(100)	(1)	(1)	(1)	(1)	(1)	1
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:31	12:31	29.34	5.0	0.15	50	2.3	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-18	6/22/94	12:31	12:41	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:49	12:49	29.34	20.0	0.6	10	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-18	6/22/94	12:49	12:58	29.34	20.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	13:07	13:08	29.34	30.0	0.9	10	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-19	5/25/94	13:13	13:13	29.34	19.5	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-19	5/25/94	13:27	13:27	29.34	40.5	1.2	50	(1)	(1)	(1)	(1)	(1)	(1)	NA
SVMW-19	6/27/94	13:58	13:58	29.31	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-19	6/27/94	14:15	14:15	29.31	20.0	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-19	6/27/94	14:30	14:30	29.3	42.0	1.2	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-19(X)	6/27/94	14:30	14:47	29.3	42.0	-	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	(10)	(1)	(1)	(1)	(1)	(1)	0.14
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/22/94	14:12	14:14	29.31	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-20	6/22/94	14:26	14:27	29.31	20.0	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	(100)	(1)	(1)	(1)	(1)	(1)	45
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	(50)	NA	NA	(0.1)	NA	NA
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:31	12:31	29.34	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:31	12:41	29.34	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:49	12:49	29.34	20.0	0.6	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-18	6/22/94	12:49	12:58	29.34	20.0	-	200	NA	NA	NA	NA	NA	NA	NA
SVMW-18	6/22/94	13:07	13:08	29.34	30.0	0.9	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-19	5/25/94	13:13	13:13	29.34	19.5	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-19	5/25/94	13:27	13:27	29.34	40.5	1.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-19	6/27/94	13:58	13:58	29.31	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-19	6/27/94	14:15	14:15	29.31	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-19	6/27/94	14:30	14:30	29.3	42.0	1.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-19(X)	6/27/94	14:30	14:47	29.3	42.0	-	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-20	6/22/94	14:12	14:14	29.31	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-20	6/22/94	14:26	14:27	29.31	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-18	6/14/93	15:30	15:30	NR	5.0	150 ml	-	NA	NA	NA	NA	0.11
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-18	6/14/93	15:30	15:39	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	1.9	17.2	80.8	0.11
SVMW-18	6/14/93	15:56	15:56	NR	20.0	0.6	18	NA	NA	NA	NA	0.110
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	1.7	18	80.3	0.09
SVMW-18	6/14/93	16:19	16:19	NR	30.0	0.9	18	NA	NA	NA	NA	0.094
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	1.6	17.6	80.8	0.91
SVMW-18(X)	6/14/93	16:23	16:34	NR	30.0	-	-	NA	NA	NA	NA	0.091
SVMW-18	6/22/94	12:31	12:31	29.34	5.0	0.15	50	NA	2.9	19	78	0.153
SVMW-18	6/22/94	12:31	12:41	29.34	5.0	-	100	NA	NA	NA	NA	
SVMW-18	6/22/94	12:49	12:49	29.34	20.0	0.6	10	NA	2	19.2	78.8	0.104
SVMW-18	6/22/94	12:49	12:58	29.34	20.0	-	200	NA	NA	NA	NA	
SVMW-18	6/22/94	13:07	13:08	29.34	30.0	0.9	10	NA	2.4	18.2	79.4	0.132
SVMW-19	5/25/94	13:13	13:13	29.34	19.5	0.6	50	NA	0.7	21.1	78.2	0.033
SVMW-19	5/25/94	13:27	13:27	29.34	40.5	1.2	50	NA	0.7	19.8	79.5	0.035
SVMW-19	6/27/94	13:58	13:58	29.31	5.0	0.15	50	NA	0.9	19.9	79.2	0.045
SVMW-19	6/27/94	14:15	14:15	29.31	20.0	0.6	50	NA	0.7	20	79.3	0.035
SVMW-19	6/27/94	14:30	14:30	29.3	42.0	1.2	50	NA	1.3	19.8	78.9	0.066
SVMW-19(X)	6/27/94	14:30	14:47	29.3	42.0	-	50	NA	1.4	18.7	79.9	0.075
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	1.2	18.6	80.2	0.065
SVMW-20	6/15/93	14:45	14:45	NR	5.0	150 ml	-	NA	NA	NA	NA	0.06
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	1.2	18.6	80.2	0.065
SVMW-20	6/15/93	15:00	15:00	NR	20.0	-	-	NA	NA	NA	NA	0.06
SVMW-20	6/22/94	14:12	14:14	29.31	5.0	0.15	50	NA	1.3	18	80.7	0.072
SVMW-20	6/22/94	14:26	14:27	29.31	20.0	0.6	50	NA	1.7	19	79.3	0.089
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	1.6	17.8	80.7	0.09
SVMW-21	6/16/93	09:48	09:48	NR	5.0	150 ml	-	NA	NA	NA	NA	0.090

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	0.42	NA	(100)	NA	1.4	(0.1)	(100)
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:30	09:30	29.38	5.0	0.15	50	0.038	(1)	(1)	NA	NA	NA	(1)
SVMW-21	6/21/94	09:30	09:39	29.38	5.0	-	100	NA	NA	NA	36	2.1	(0.1)	NA
SVMW-21	6/21/94	09:47	09:47	29.37	20.0	0.6	100	^0.44	(100)	(100)	44	2.3	(0.1)	(100)
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	(1)	NA	0.027	NA	(1)
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	0.52	NA	NA	NA	NA	0.098	NA
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	0.92	NA	(10)	NA	0.067	0.22	(10)
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	(10)	NA	0.27	NA	(10)
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	2.6	NA	NA	NA	NA	0.63	NA
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:02	10:02	29.38	5.0	0.15	50	0.4	(1)	(1)	(0.01)	0.039	0.082	(1)
SVMW-22	6/21/94	10:22	10:22	29.39	18.0	0.5	20	0.61	(10)	(10)	(0.1)	0.075	0.16	(10)
SVMW-22	6/21/94	10:35	10:35	29.39	26.0	0.8	20	1.4	(10)	(10)	(0.1)	0.17	0.42	(10)
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	4	NA	(100)	NA	4.7	NA	(100)
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	72	NA
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	5.6	NA	(1000)	NA	2.1	16	(1000)
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	5.9	NA	(1000)	NA	1.8	15	(1000)
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/21/94	08:37	08:37	29.38	5.0	0.15	50	3.8	NA	NA	26	2.6	34	(100)
SVMW-24	6/21/94	08:37	08:48	29.38	5.0	-	50	NA	(1)	(1)	NA	NA	NA	MI

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freo[illegible]CA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	54	NA	1.5	NA	(1)	(1)	(100)
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:30	09:30	29.38	5.0	0.15	50	NA	(0.1)	0.32	NA	(1)	(1)	(1)
SVMW-21	6/21/94	09:30	09:39	29.38	5.0	-	100	33	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:47	09:47	29.37	20.0	0.6	100	40	(10)	^1	NA	(1)	(1)	(1)
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	0.2	NA	0.13	NA	(1)	(1)	(1)
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	0.62	NA	0.39	NA	(1)	(1)	(10)
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	4.4	NA	1.7	NA	(1)	(1)	(10)
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:02	10:02	29.38	5.0	0.15	50	0.14	(0.1)	0.14	NA	(1)	(1)	(1)
SVMW-22	6/21/94	10:22	10:22	29.39	18.0	0.5	20	0.3	(1)	0.23	NA	(1)	(1)	(1)
SVMW-22	6/21/94	10:35	10:35	29.39	26.0	0.8	20	1.3	(1)	0.69	NA	(1)	(1)	(1)
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	30	NA	8	NA	(1)	16	(100)
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	7.8	NA	5.8	NA	(1)	(1)	(1000)
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	8.4	NA	6.1	NA	(1)	(1)	(1000)
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/21/94	08:37	08:37	29.38	5.0	0.15	50	10	(10)	3.5	NA	(1)	4	(1)
SVMW-24	6/21/94	08:37	08:48	29.38	5.0	-	50	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	(100)	(1)	(1)	(1)	(1)	(1)	45
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:30	09:30	29.38	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-21	6/21/94	09:30	09:39	29.38	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:47	09:47	29.37	20.0	0.6	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	(1)	(1)	(1)	(1)	(1)	(1)	3.2
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	(10)	(1)	(1)	(1)	(1)	(1)	4.9
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	(10)	(1)	(1)	(1)	(1)	(1)	10
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:02	10:02	29.38	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	3.3
SVMW-22	6/21/94	10:22	10:22	29.39	18.0	0.5	20	(1)	(1)	(1)	(1)	(1)	(1)	4.9
SVMW-22	6/21/94	10:35	10:35	29.39	26.0	0.8	20	(1)	(1)	(1)	(1)	(1)	(1)	8.3
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	(100)	(1)	(1)	(1)	(1)	(1)	21
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	(1000)	(1)	(1)	(1)	(1)	(1)	39
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	(1000)	(1)	(1)	(1)	(1)	(1)	37
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/21/94	08:37	08:37	29.38	5.0	0.15	50	3	(1)	(1)	(1)	(1)	(1)	24
SVMW-24	6/21/94	08:37	08:48	29.38	5.0	-	50	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:30	09:30	29.38	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:30	09:39	29.38	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-21	6/21/94	09:47	09:47	29.37	20.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:02	10:02	29.38	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:22	10:22	29.39	18.0	0.5	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:35	10:35	29.39	26.0	0.8	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-24	6/21/94	08:37	08:37	29.38	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-24	6/21/94	08:37	08:48	29.38	5.0	-	50	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	1.2	17.8	81	0.07
SVMW-21	6/16/93	10:02	10:02	NR	20.0	0.6	18	NA	NA	NA	NA	0.067
SVMW-21	6/21/94	09:30	09:30	29.38	5.0	0.15	50	NA	1.8	19.4	78.7	0.093
SVMW-21	6/21/94	09:30	09:39	29.38	5.0	-	100	NA	NA	NA	NA	
SVMW-21	6/21/94	09:47	09:47	29.37	20.0	0.6	100	NA	1.4	19.1	79.4	0.073
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	NA	NA	NA	0.11
SVMW-22	6/16/93	10:25	10:25	NR	5.0	150 ml	-	NA	1.9	17.1	81	0.111
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-22	6/16/93	10:25	10:35	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	2.4	16.3	81.4	0.147
SVMW-22	6/16/93	10:47	10:47	NR	18.0	0.5	15	NA	NA	NA	NA	0.15
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	NA	NA	NA	0.114
SVMW-22	6/16/93	11:03	11:03	NR	26.5	0.8	24	NA	1.8	15.8	82.4	0.11
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	
SVMW-22	6/16/93	11:03	11:12	NR	26.5	-	-	NA	NA	NA	NA	NA
SVMW-22	6/21/94	10:02	10:02	29.38	5.0	0.15	50	NA	2.4	18.4	79.2	0.130
SVMW-22	6/21/94	10:22	10:22	29.39	18.0	0.5	20	NA	2.8	18.3	78.9	0.153
SVMW-22	6/21/94	10:35	10:35	29.39	26.0	0.8	20	NA	2.6	16.5	80.9	0.158
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	2.2	13.4	84.3	0.164
SVMW-24	6/16/93	13:17	13:17	NR	5.0	150 ml	-	NA	NA	NA	NA	0.16
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-24	6/16/93	13:17	13:28	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	2	12.4	85.7	0.16
SVMW-24	6/17/93	14:27	14:27	NR	20.0	0.6	18	NA	NA	NA	NA	0.161
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	1.6	13.8	84.6	0.12
SVMW-24(X)	6/17/93	14:30	14:36	NR	20.0	-	-	NA	NA	NA	NA	0.116
SVMW-24	6/21/94	08:37	08:37	29.38	5.0	0.15	50	NA	2.1	15.6	82.3	0.135
SVMW-24	6/21/94	08:37	08:48	29.38	5.0	-	50	NA	NA	NA	NA	

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-24	6/21/94	09:02	09:02	29.38	20.0	0.6	100	6	NA	NA	6.3	1.4	9.9	NA
SVMW-24	6/21/94	09:02	09:14	29.38	20.0	-	50	NA	(1)	(1)	NA	NA	NA	(1)
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	0.007	NA	(1)	NA	0.018	(0.001)	(1)
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	0.007	NA	(1)	NA	0.015	(0.001)	(1)
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/21/94	14:50	14:51	29.32	5.0	0.15	50	^0.01	(1)	(1)	(0.01)	^0.009	(0.001)	(1)
SVMW-26	6/21/94	15:05	15:05	29.32	23.0	0.7	50	^0.01	(1)	(1)	(0.01)	0.014	(0.001)	(1)
SVMW-26(X)	6/21/94	15:05	15:20	29.32	23.0	-	50	^0.01	(1)	(1)	(0.01)	0.014	(0.001)	(1)
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	(1)	NA	NA	NA	(1)
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	1.4	NA	NA	NA	0.64	(0.01)	NA
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	0.1	NA	(10)	NA	0.15	(0.01)	(10)
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	0.079	NA	(1)	NA	0.19	(0.01)	(1)
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	10:56	10:56	29.38	5.0	0.15	50	NA	(1)	(1)	(0.01)	0.75	(0.001)	(1)
SVMW-27	6/21/94	10:56	11:06	29.38	5.0	-	20	1.5	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	11:13	11:14	29.38	20.0	-	10	0.24	(10)	(10)	(0.1)	0.15	(0.01)	(10)
SVMW-27	6/21/94	11:27	11:27	29.37	30.0	1.2	50	0.16	(1)	(1)	(0.01)	0.1	(0.001)	(1)
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	(1)	NA	0.024	(0.001)	(1)
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	1.1	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	(1)	NA	0.017	(0.001)	(1)
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	0.44	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-24	6/21/94	09:02	09:02	29.38	20.0	0.6	100	^2.5	(10)	4.2	NA	(1)	1.8	(1)
SVMW-24	6/21/94	09:02	09:14	29.38	20.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	0.036	NA	0.062	NA	(1)	(1)	(1)
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	0.028	NA	0.022	NA	(1)	(1)	(1)
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/21/94	14:50	14:51	29.32	5.0	0.15	50	(0.01)	(0.1)	^0.008	NA	(1)	(1)	(1)
SVMW-26	6/21/94	15:05	15:05	29.32	23.0	0.7	50	(0.01)	(0.1)	^0.018	NA	(1)	4.2	(1)
SVMW-26(X)	6/21/94	15:05	15:20	29.32	23.0	-	50	(0.01)	(0.1)	^0.011	NA	(1)	4.6	(1)
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	(1)	(1)	(1)
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	9.7	NA	1.2	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	1.7	NA	0.3	NA	(1)	(1)	(10)
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	0.31	NA	0.41	NA	(1)	(1)	(1)
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	10:56	10:56	29.38	5.0	0.15	50	4.4	(0.1)	0.7	NA	(1)	^1.6	(1)
SVMW-27	6/21/94	10:56	11:06	29.38	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	11:13	11:14	29.38	20.0	-	10	0.97	(1)	0.19	NA	(1)	(1)	(1)
SVMW-27	6/21/94	11:27	11:27	29.37	30.0	1.2	50	0.088	(0.1)	0.17	NA	(1)	(1)	(1)
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	(0.01)	NA	0.004	NA	(1)	(1)	(1)
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	(0.01)	NA	0.003	NA	(1)	(1)	(1)
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trich[illegible]ethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroet[illegible]

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-24	6/21/94	09:02	09:02	29.38	20.0	0.6	100	2.6	(1)	(1)	(1)	(1)	(1)	50
SVMW-24	6/21/94	09:02	09:14	29.38	20.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/21/94	14:50	14:51	29.32	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-26	6/21/94	15:05	15:05	29.32	23.0	0.7	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-26(X)	6/21/94	15:05	15:20	29.32	23.0	-	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	(10)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	10:56	10:56	29.38	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-27	6/21/94	10:56	11:06	29.38	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	11:13	11:14	29.38	20.0	-	10	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-27	6/21/94	11:27	11:27	29.37	30.0	1.2	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-24	6/21/94	09:02	09:02	29.38	20.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-24	6/21/94	09:02	09:14	29.38	20.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-26	6/21/94	14:50	14:51	29.32	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-26	6/21/94	15:05	15:05	29.32	23.0	0.7	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-26(X)	6/21/94	15:05	15:20	29.32	23.0	-	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	10:56	10:56	29.38	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-27	6/21/94	10:56	11:06	29.38	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-27	6/21/94	11:13	11:14	29.38	20.0	-	10	(1)	(1)	NA	NA	NA	NA	NA
SVMW-27	6/21/94	11:27	11:27	29.37	30.0	1.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ˆ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=[illegible]rachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-24	6/21/94	09:02	09:02	29.38	20.0	0.6	100	NA	1.8	14.4	83.8	0.125
SVMW-24	6/21/94	09:02	09:14	29.38	20.0	-	50	NA	NA	NA	NA	
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	0.6	19.5	79.9	0.031
SVMW-26	6/17/93	09:43	09:43	NR	5.0	150 ml	-	NA	NA	NA	NA	0.03
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	0.6	19.7	79.7	0.03
SVMW-26	6/17/93	09:59	09:59	NR	23.5	0.7	21	NA	NA	NA	NA	0.030
SVMW-26	6/21/94	14:50	14:51	29.32	5.0	0.15	50	NA	0.8	21.5	77.7	0.037
SVMW-26	6/21/94	15:05	15:05	29.32	23.0	0.7	50	NA	0.9	20.1	79	0.045
SVMW-26(X)	6/21/94	15:05	15:20	29.32	23.0	-	50	NA	1.2	20.8	78	0.058
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	NA	NA	NA	0.226
SVMW-27	6/17/93	08:48	08:48	NR	5.0	150 ml	-	NA	2.6	11.5	85.9	0.23
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-27	6/17/93	08:48	08:56	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	1.3	17.2	81.5	0.076
SVMW-27	6/17/93	09:14	09:14	NR	20.0	0.6	18	NA	NA	NA	NA	0.08
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	1.8	17.2	81	0.1
SVMW-27	6/17/93	09:28	09:28	NR	40.0	0.9	18	NA	NA	NA	NA	0.105
SVMW-27	6/21/94	10:56	10:56	29.38	5.0	0.15	50	NA	3.7	15.7	80.6	0.236
SVMW-27	6/21/94	10:56	11:06	29.38	5.0	-	20	NA	NA	NA	NA	
SVMW-27	6/21/94	11:13	11:14	29.38	20.0	-	10	NA	1.9	17.9	80.2	0.106
SVMW-27	6/21/94	11:27	11:27	29.37	30.0	1.2	50	NA	2	19.3	78.7	0.104
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	NA	NA	NA	0.08
SVMW-28	6/16/93	12:36	12:36	NR	5.0	250 ml	-	NA	1.3	15.2	83.6	0.086
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	NA
SVMW-28	6/16/93	12:36	12:46	NR	5.0	-	-	NA	NA	NA	NA	
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	NA	NA	NA	0.042
SVMW-28	6/16/93	12:54	12:54	NR	19.0	0.7	21	NA	0.7	16.8	82.5	0.04
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/21/94	14:19	14:20	29.33	5.0	0.2	100	0.082	(1)	(1)	(0.01)	0.012	(0.001)	(1)
SVMW-28	6/21/94	14:35	14:36	29.32	19.0	0.6	100	0.01	(1)	(1)	(0.01)	0.012	(0.001)	(1)
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	(0.01)	NA	(10)	NA	(0.01)	(0.01)	(10)
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	0.007	NA	(10)	NA	0.03	(0.01)	(10)
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/21/94	13:45	13:46	29.37	5.0	0.2	50	0.017	(1)	(1)	(0.01)	0.071	(0.001)	(1)
SVMW-29	6/21/94	13:55	13:57	29.33	23.0	0.7	50	0.011	(1)	(1)	(0.01)	0.024	(0.001)	(1)
SVMW-30	5/18/93	10:02	10:02	29.40	21.0	0.60	36	0.55	NA	(1000)	NA	(1)	(1)	(1000)
SVMW-30	5/18/93	10:26	10:32	29.40	39.0	1.20	36	0.087	NA	(100)	NA	0.024	(1)	(100)
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	(1)	NA	(1000)	NA	(1)	(1)	(1000)
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	(1)	NA	(1000)	NA	(1)	(1)	(1000)
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	0.12	NA	(10)	NA	(0.01)	(0.01)	(10)
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	.05	(10)	(10)	(0.1)	0.031^	(0.01)	(10)
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	12:56	12:57	29.37	5.0	0.2	50	0.065	(1)	(1)	0.4	0.14	0.014	(1)
SVMW-30	6/21/94	12:56	13:06	29.37	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	13:19	13:19	29.37	20.0	0.7	200	0.38	(100)	(100)	(1)	1.3	(0.1)	(100)
SVMW-30	6/21/94	13:32	13:33	29.37	39.0	1.1	30	^0.015	(10)	(10)	(0.1)	(0.01)	(0.01)	(10)
SVMW-30	6/24/94	09:46	09:46	29.29	5.0	0.2	20	0.039	(10)	(10)	0.3	0.12	0.012	(10)
SVMW-30	6/24/94	09:46	09:55	29.29	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	0.018	NA	(10)	NA	1	(0.01)	(10)
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	0.024	NA	(10)	NA	1	(0.01)	(10)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; [illegible]=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/21/94	14:19	14:20	29.33	5.0	0.2	100	^0.013	(0.1)	^0.004	NA	(1)	3.8	(1)
SVMW-28	6/21/94	14:35	14:36	29.32	19.0	0.6	100	(0.01)	(0.1)	(0.001)	NA	(1)	(1)	(1)
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	1.6	NA	0.34	NA	(1)	4.7	(10)
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	2	NA	0.096	NA	(1)	(1)	(10)
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/21/94	13:45	13:46	29.37	5.0	0.2	50	1.1	(0.1)	0.26	NA	(1)	3	(1)
SVMW-29	6/21/94	13:55	13:57	29.33	23.0	0.7	50	0.65	(0.1)	0.031	NA	(1)	2	(1)
SVMW-30	5/18/93	10:02	10:02	29.40	21.0	0.60	36	35	NA	(1)	NA	(1)	(1)	(1000)
SVMW-30	5/18/93	10:26	10:32	29.40	39.0	1.20	36	9	NA	0.026	NA	(1)	(1)	(100)
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	520	NA	(1)	NA	(1)	2.9	(1000)
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	48	NA	(1)	NA	(1)	(1)	(1000)
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	14	NA	0.021	NA	(1)	(1)	(10)
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	3.2	(1)	0.013^	NA	(1)	(1)	(1)
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	12:56	12:57	29.37	5.0	0.2	50	NA	(0.1)	0.34	NA	(1)	(1)	2.5
SVMW-30	6/21/94	12:56	13:06	29.37	5.0	-	20	190	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	13:19	13:19	29.37	20.0	0.7	200	14	(10)	^0.25	NA	(1)	(1)	(1)
SVMW-30	6/21/94	13:32	13:33	29.37	39.0	1.1	30	1.3	(1)	(0.01)	NA	(1)	(1)	(1)
SVMW-30	6/24/94	09:46	09:46	29.29	5.0	0.2	20	NA	(1)	0.26	NA	(1)	3	2.7
SVMW-30	6/24/94	09:46	09:55	29.29	5.0	-	100	160	NA	NA	NA	NA	NA	NA
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	0.12	NA	0.56	NA	(1)	4.9	(10)
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	0.28	NA	0.28	NA	(1)	(1)	(10)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/21/94	14:19	14:20	29.33	5.0	0.2	100	4	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-28	6/21/94	14:35	14:36	29.32	19.0	0.6	100	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	(10)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/21/94	13:45	13:46	29.37	5.0	0.2	50	3.4	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-29	6/21/94	13:55	13:57	29.33	23.0	0.7	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	5/18/93	10:02	10:02	29.40	21.0	0.60	36	(1000)	(1)	(1)	(1)	NA	NA	(0.1)
SVMW-30	5/18/93	10:26	10:32	29.40	39.0	1.20	36	(100)	(1)	(1)	(1)	NA	NA	(0.1)
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	(1000)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	(1000)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	(10)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	1.4	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	12:56	12:57	29.37	5.0	0.2	50	34	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	6/21/94	12:56	13:06	29.37	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	13:19	13:19	29.37	20.0	0.7	200	3	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	6/21/94	13:32	13:33	29.37	39.0	1.1	30	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	6/24/94	09:46	09:46	29.29	5.0	0.2	20	38	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-30	6/24/94	09:46	09:55	29.29	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	(10)	(1)	(1)	(1)	(1)	(1)	41
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	(10)	(1)	(1)	(1)	(1)	(1)	47

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=di[illegible]roethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-28	6/21/94	14:19	14:20	29.33	5.0	0.2	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-28	6/21/94	14:35	14:36	29.32	19.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	NA	NA	NA	NA	NA	NA
SVMW-29	6/21/94	13:45	13:46	29.37	5.0	0.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-29	6/21/94	13:55	13:57	29.33	23.0	0.7	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-30	5/18/93	10:02	10:02	29.40	21.0	0.60	36	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-30	5/18/93	10:26	10:32	29.40	39.0	1.20	36	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	NA	NA	NA	NA	NA	NA
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	12:56	12:57	29.37	5.0	0.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-30	6/21/94	12:56	13:06	29.37	5.0	-	20	NA	NA	NA	NA	NA	NA	NA
SVMW-30	6/21/94	13:19	13:19	29.37	20.0	0.7	200	(1)	(1)	NA	NA	NA	NA	NA
SVMW-30	6/21/94	13:32	13:33	29.37	39.0	1.1	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-30	6/24/94	09:46	09:46	29.29	5.0	0.2	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-30	6/24/94	09:46	09:55	29.29	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	NA	NA	NA	(0.1)	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-28	6/16/93	12:54	13:04	NR	19.0	-	-	NA	NA	NA	NA	
SVMW-28	6/21/94	14:19	14:20	29.33	5.0	0.2	100	NA	1.4	20	78.6	0.070
SVMW-28	6/21/94	14:35	14:36	29.32	19.0	0.6	100	NA	1.6	20.8	77.5	0.077
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	1.7	18.3	79.9	0.09
SVMW-29	6/17/93	10:22	10:22	NR	5.0	150 ml	-	NA	NA	NA	NA	0.093
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	0.8	19.7	79.5	0.041
SVMW-29	6/17/93	10:36	10:36	NR	20.0	0.7	21	NA	NA	NA	NA	0.04
SVMW-29	6/21/94	13:45	13:46	29.37	5.0	0.2	50	NA	1.7	18.4	79.8	0.092
SVMW-29	6/21/94	13:55	13:57	29.33	23.0	0.7	50	NA	1	20	79	0.050
SVMW-30	5/18/93	10:02	10:02	29.40	21.0	0.60	36	(1)	1.2	16.4	82.3	0.073
SVMW-30	5/18/93	10:26	10:32	29.40	39.0	1.20	36	(1)	0.9	19.1	80	0.047
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	3.4	16.4	80.2	0.21
SVMW-30	6/17/93	10:55	10:55	NR	5.0	150 ml	-	NA	NA	NA	NA	0.207
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	1.9	17.8	80.2	0.11
SVMW-30	6/17/93	11:15	11:15	NR	21.0	0.6	18	NA	NA	NA	NA	0.107
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	0.9	18	81.1	0.050
SVMW-30	6/17/93	11:29	11:29	NR	39.0	1.2	18	NA	NA	NA	NA	0.05
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	1.2	20.5	78.3	0.059
SVMW-30	2/14/94	17:25	17:27	NR	39.0	1.2	24	NA	NA	NA	NA	.06
SVMW-30	6/21/94	12:56	12:57	29.37	5.0	0.2	50	NA	4	17.5	78.5	0.229
SVMW-30	6/21/94	12:56	13:06	29.37	5.0	-	20	NA	NA	NA	NA	
SVMW-30	6/21/94	13:19	13:19	29.37	20.0	0.7	200	NA	1.9	19.4	78.7	0.098
SVMW-30	6/21/94	13:32	13:33	29.37	39.0	1.1	30	NA	1.2	20.1	78.6	0.060
SVMW-30	6/24/94	09:46	09:46	29.29	5.0	0.2	20	NA	4.2	17.5	78.2	0.240
SVMW-30	6/24/94	09:46	09:55	29.29	5.0	-	100	NA	NA	NA	NA	
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	1.9	18.2	80	0.104
SVMW-32	6/15/93	15:23	15:23	NR	5.0	150 ml	-	NA	NA	NA	NA	0.1
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	1.7	18.2	80.1	0.093

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ' = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	0.02	NA	(10)	NA	0.82	(0.01)	(10)
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/22/94	13:25	13:25	29.33	5.0	0.15	50	0.021	(1)	(1)	(0.01)	1.8	(0.001)	(1)
SVMW-32	6/22/94	13:41	13:41	29.33	20.0	0.6	20	^0.018	(10)	(10)	(0.1)	2.9	(0.01)	(10)
SVMW-32	6/22/94	13:55	13:56	29.32	30.0	0.9	20	^0.012	(10)	(10)	(0.1)	2.5	(0.01)	(10)
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	1.6	(1000)	(1000)	(10)	56	3.4	(1000)
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	2.9	(1000)	(1000)	(1)	160	9.4	(1000)
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:31	29.36	5.0	0.15	50	NA	NA	NA	0.38	NA	NA	NA
SVMW-33	6/23/94	08:31	08:41	29.36	5.0	-	50	2.3	(100)	(100)	NA	90	4.9	(100)
SVMW-33	6/23/94	08:31	08:52	29.36	5.0	-	50	NA	MI	(1)	NA	NA	NA	(1)
SVMW-33	6/23/94	09:08	09:09	29.36	20.0	0.6	30	3.4	(1000)	(1000)	(10)	120	8.8	(1000)
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	.19	(100)	(100)	0.23^	11	1.6	(100)
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	.8	(100)	(100)	(1)	21	4.3	(100)
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:25	29.35	5.0	0.15	50	0.24	NA	NA	0.33	NA	NA	NA
SVMW-34	6/23/94	10:24	10:35	29.35	5.0	-	100	NA	(100)	(100)	NA	11	2	(100)
SVMW-34	6/23/94	10:24	10:43	29.35	5.0	-	50	NA	(1)	(1)	NA	NA	NA	(1)
SVMW-34	6/23/94	11:00	11:00	29.35	20.0	0.6	100	1.2	(100)	(100)	(1)	22	5.3	(100)
SVMW-35	5/25/94	08:55	08:55	29.34		0.16	50	0.003	(1)	(1)	(0.01)	0.012	(0.001)	(1)
SVMW-35	5/25/94	08:55	09:10	29.34	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-35	5/25/94	09:17	09:17	29.35	20.0	0.6	50	^0.009	(1)	(1)	(0.01)	0.2	0.017	(1)
SVMW-35	5/25/94	09:32	09:32	29.35	41.0	1.2	50	^0.01	(1)	(1)	(0.01)	0.37	0.027	(1)
SVMW-35	6/23/94	12:48	12:49	29.33	5.0	0.15	50	0.011	(1)	(1)	(0.01)	0.18	0.009	(1)
SVMW-35	6/23/94	13:00	13:02	29.32	20.0	0.6	30	^0.013	(10)	(10)	(0.1)	0.34	0.03	(10)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	0.29	NA	0.21	NA	(1)	3.5	(10)
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/22/94	13:25	13:25	29.33	5.0	0.15	50	^0.037	(0.1)	0.32	NA	(1)	2.7	(1)
SVMW-32	6/22/94	13:41	13:41	29.33	20.0	0.6	20	^0.15	(1)	0.16	NA	(1)	(1)	(1)
SVMW-32	6/22/94	13:55	13:56	29.32	30.0	0.9	20	^0.16	(1)	0.1	NA	(1)	2	(1)
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	10	(10)	2.7	NA	(1)	12	(1)
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	28	(10)	5.8	NA	(1)	21	(1)
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:31	29.36	5.0	0.15	50	NA	(0.1)	NA	NA	(1)	11	(1)
SVMW-33	6/23/94	08:31	08:41	29.36	5.0	-	50	17	NA	4.4	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:52	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	09:08	09:09	29.36	20.0	0.6	30	29	(100)	5.7	NA	(1)	19	(1)
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	14	(1)	.47	NA	(1)	6.3	(1)
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	42	(10)	1.3	NA	(1)	17	(1)
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:25	29.35	5.0	0.15	50	NA	(0.1)	0.84	NA	(1)	6.8	(1)
SVMW-34	6/23/94	10:24	10:35	29.35	5.0	-	100	20	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:43	29.35	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	11:00	11:00	29.35	20.0	0.6	100	49	(10)	1.6	NA	(1)	17	(1)
SVMW-35	5/25/94	08:55	08:55	29.34		0.16	50	(0.01)	(0.1)	^0.002	(0.1)	(1)	(1)	(1)
SVMW-35	5/25/94	08:55	09:10	29.34	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-35	5/25/94	09:17	09:17	29.35	20.0	0.6	50	(0.01)	(0.1)	0.22	(0.1)	(1)	(1)	(1)
SVMW-35	5/25/94	09:32	09:32	29.35	41.0	1.2	50	(0.01)	(0.1)	0.22	(0.1)	(1)	(1)	(1)
SVMW-35	6/23/94	12:48	12:49	29.33	5.0	0.15	50	(0.01)	(0.1)	0.57	NA	(1)	1.8	(1)
SVMW-35	6/23/94	13:00	13:02	29.32	20.0	0.6	30	(0.1)	(1)	0.3	NA	(1)	2.7	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	(10)	(1)	(1)	(1)	(1)	(1)	59
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/22/94	13:25	13:25	29.33	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	14
SVMW-32	6/22/94	13:41	13:41	29.33	20.0	0.6	20	(1)	(1)	(1)	(1)	(1)	(1)	11
SVMW-32	6/22/94	13:55	13:56	29.32	30.0	0.9	20	(1)	(1)	(1)	(1)	(1)	(1)	12
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	(1)	(1)	(1)	(1)	(1)	(1)	1500
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	(1)	(1)	(1)	(1)	(1)	(1)	2700
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:31	29.36	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	NA
SVMW-33	6/23/94	08:31	08:41	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	3400
SVMW-33	6/23/94	08:31	08:52	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	09:08	09:09	29.36	20.0	0.6	30	(1)	(1)	(1)	(1)	(1)	(1)	1600
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	(1)	(1)	(1)	(1)	(1)	(1)	260
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	(1)	(1)	(1)	(1)	(1)	(1)	880
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:25	29.35	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	NA
SVMW-34	6/23/94	10:24	10:35	29.35	5.0	-	100	NA	NA	NA	NA	NA	NA	160
SVMW-34	6/23/94	10:24	10:43	29.35	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	11:00	11:00	29.35	20.0	0.6	100	(1)	(1)	(1)	(1)	(1)	(1)	320
SVMW-35	5/25/94	08:55	08:55	29.34		0.16	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-35	5/25/94	08:55	09:10	29.34	5.0	-	-	NA	NA	NA	NA	NA	NA	12
SVMW-35	5/25/94	09:17	09:17	29.35	20.0	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	20
SVMW-35	5/25/94	09:32	09:32	29.35	41.0	1.2	50	(1)	(1)	(1)	(1)	(1)	(1)	22
SVMW-35	6/23/94	12:48	12:49	29.33	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	17
SVMW-35	6/23/94	13:00	13:02	29.32	20.0	0.6	30	(1)	(1)	(1)	(1)	(1)	(1)	37

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	NA	NA	NA	(0.1)	NA	NA
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-32	6/22/94	13:25	13:25	29.33	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-32	6/22/94	13:41	13:41	29.33	20.0	0.6	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-32	6/22/94	13:55	13:56	29.32	30.0	0.9	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	(50)	(10)	(10)	NA	(10)	(0.1)
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	(50)	(10)	(10)	NA	(10)	(0.1)
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:31	29.36	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:41	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	08:31	08:52	29.36	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-33	6/23/94	09:08	09:09	29.36	20.0	0.6	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	(50)	(10)	(10)	NA	(10)	(0.1)
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:25	29.35	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:35	29.35	5.0	-	100	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	10:24	10:43	29.35	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-34	6/23/94	11:00	11:00	29.35	20.0	0.6	100	(1)	(1)	NA	NA	NA	NA	NA
SVMW-35	5/25/94	08:55	08:55	29.34		0.16	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-35	5/25/94	08:55	09:10	29.34	5.0	-	-	NA	NA	NA	NA	NA	NA	NA
SVMW-35	5/25/94	09:17	09:17	29.35	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-35	5/25/94	09:32	09:32	29.35	41.0	1.2	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-35	6/23/94	12:48	12:49	29.33	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-35	6/23/94	13:00	13:02	29.32	20.0	0.6	30	(1)	(1)	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=[illegible]achloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-32	6/16/93	08:45	08:45	NR	20.0	0.6	18	NA	NA	NA	NA	0.09
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	1.5	18.4	80	0.08
SVMW-32	6/16/93	09:07	09:07	NR	30.0	0.9	18	NA	NA	NA	NA	0.082
SVMW-32	6/22/94	13:25	13:25	29.33	5.0	0.15	50	NA	2.2	18.5	79.3	0.119
SVMW-32	6/22/94	13:41	13:41	29.33	20.0	0.6	20	NA	2	19.2	78.9	0.104
SVMW-32	6/22/94	13:55	13:56	29.32	30.0	0.9	20	NA	1.9	19.5	78.6	0.097
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	1	17.9	81.1	.06
SVMW-33	2/14/94	11:24	11:25	NR	5.0	.14	-	NA	NA	NA	NA	0.056
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	2.2	16.8	81	.13
SVMW-33	2/14/94	12:03	12:04	NR	20.0	.6	18	NA	NA	NA	NA	0.131
SVMW-33	6/23/94	08:31	08:31	29.36	5.0	0.15	50	NA	3	17.6	79.4	0.170
SVMW-33	6/23/94	08:31	08:41	29.36	5.0	-	50	NA	NA	NA	NA	
SVMW-33	6/23/94	08:31	08:52	29.36	5.0	-	50	NA	NA	NA	NA	
SVMW-33	6/23/94	09:08	09:09	29.36	20.0	0.6	30	NA	2.4	17.5	80.1	0.137
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	.8	19	80.2	.04
SVMW-34	2/14/94	09:04	09:04	NR	5.0	.14	-	NA	NA	NA	NA	0.042
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	1.7	18.2	80.1	.09
SVMW-34	2/14/94	09:27	09:27	NR	20.0	.6	18	NA	NA	NA	NA	0.093
SVMW-34	6/23/94	10:24	10:25	29.35	5.0	0.15	50	NA	1	19	80	0.053
SVMW-34	6/23/94	10:24	10:35	29.35	5.0	-	100	NA	NA	NA	NA	
SVMW-34	6/23/94	10:24	10:43	29.35	5.0	-	50	NA	NA	NA	NA	
SVMW-34	6/23/94	11:00	11:00	29.35	20.0	0.6	100	NA	1.1	19.1	79.8	0.058
SVMW-35	5/25/94	08:55	08:55	29.34		0.16	50	NA	(0.1)	21.2	78.8	
SVMW-35	5/25/94	08:55	09:10	29.34	5.0	-	-	NA	NA	NA	NA	
SVMW-35	5/25/94	09:17	09:17	29.35	20.0	0.6	50	NA	1.3	19	79.8	0.068
SVMW-35	5/25/94	09:32	09:32	29.35	41.0	1.2	50	NA	1.7	15.7	82.6	0.108
SVMW-35	6/23/94	12:48	12:49	29.33	5.0	0.15	50	NA	2	18.4	79.5	0.109
SVMW-35	6/23/94	13:00	13:02	29.32	20.0	0.6	30	NA	2.5	17.6	79.9	0.142

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-35	6/23/94	13:16	13:17	29.31	42.0	1.2	30	^0.012	(10)	(10)	(0.1)	0.47	0.038	(10)
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	.03	(10)	(10)	(0.1)	.98	.07	(10)
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	0.028^	(10)	(10)	(0.1)	.8	.14	(10)
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-36	6/23/94	11:25	11:25	29.34	5.0	0.15	50	0.027	(1)	(1)	(0.01)	1.2	0.12	(1)
SVMW-36	6/23/94	11:39	11:39	29.34	20.0	0.6	20	^0.024	(10)	(10)	(0.1)	0.88	0.18	(10)
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	.61	(1000)	(1000)	0.36^	290*	1.3	(1000)
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	(1)	(1000)	(1000)	(10)	490	4.2	(1000)
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	(1)	(1000)	(1000)	(10)	320	1.5	(1000)
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:22	09:23	29.35	5.0	0.15	50	1.7	(100)	(100)	(1)	380	0.56	(100)
SVMW-37	6/23/94	09:22	09:37	29.35	5.0	-	50	NA	(1)	(1)	NA	NA	NA	(1)
SVMW-37	6/23/94	09:51	09:52	29.35	20.0	0.6	30	2.4	(1000)	(1000)	(10)	650	2.3	(1000)
SVMW-37	6/23/94	10:08	10:08	29.35	32.0	0.9	30	2.5	(1000)	(1000)	(10)	320	9.6	(1000)
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	.06	(10)	(10)	(0.1)	3.2	(0.01)	(10)
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	.08	(10)	(10)	(0.1)	4.1	(0.01)	(10)
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	6/22/94	14:46	14:46	29.31	5.0	0.15	50	0.058	(1)	(1)	(0.01)	9.7	(0.001)	^6.2
SVMW-38	6/22/94	15:07	15:08	29.3	20.0	0.6	50	0.056	(1)	(1)	(0.01)	2.2	(0.001)	(1)
SVMW-38	6/22/94	15:24	15:24	29.3	30.0	0.9	50	0.042	(1)	(1)	(0.01)	1.2	(0.001)	(1)
SVMW-38(X)	6/22/94	15:24	15:35	29.3	30.0	-	50	0.034	(1)	(1)	(0.01)	1	(0.001)	(1)
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	0.019^	(10)	(10)	(0.1)	5.6*	(0.01)	(10)
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	0.033^	(10)	(10)	(0.1)	5.9	.02	(10)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon [illegible]A=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-35	6/23/94	13:16	13:17	29.31	42.0	1.2	30	(0.1)	(1)	0.3	NA	(1)	2	(1)
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	(0.1)	(1)	.78	NA	(1)	(1)	(1)
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	(0.1)	(1)	.24	NA	(1)	2.4	(1)
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-36	6/23/94	11:25	11:25	29.34	5.0	0.15	50	(0.01)	(0.1)	1.1	NA	(1)	3	(1)
SVMW-36	6/23/94	11:39	11:39	29.34	20.0	0.6	20	(0.1)	(1)	0.31	NA	(1)	^1.3	(1)
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	7.4	(1)	2.2	NA	(1)	9.9	(1)
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	26^	(100)	3.2^	NA	(1)	19	(1)
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	11^	(100)	3^	NA	(1)	10	(1)
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:22	09:23	29.35	5.0	0.15	50	8.2	(100)	3.3	NA	(1)	7.5	(1)
SVMW-37	6/23/94	09:22	09:37	29.35	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:51	09:52	29.35	20.0	0.6	30	22	(100)	^2.9	NA	(1)	14	(1)
SVMW-37	6/23/94	10:08	10:08	29.35	32.0	0.9	30	38	(100)	^3.4	NA	(1)	17	(1)
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	1.1	(1)	0.056^	NA	(1)	(1)	(1)
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	1.2	(1)	0.079^	NA	(1)	(1)	(1)
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	6/22/94	14:46	14:46	29.31	5.0	0.15	50	2.2	(0.1)	0.23	NA	(1)	(1)	(1)
SVMW-38	6/22/94	15:07	15:08	29.3	20.0	0.6	50	0.93	(0.1)	0.071	NA	(1)	(1)	(1)
SVMW-38	6/22/94	15:24	15:24	29.3	30.0	0.9	50	0.75	(0.1)	0.062	NA	(1)	^1.5	(1)
SVMW-38(X)	6/22/94	15:24	15:35	29.3	30.0	-	50	0.62	(0.1)	0.067	NA	(1)	^1.4	(1)
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	(0.1)	(1)	.23	NA	(1)	(1)	(1)
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	(0.1)	(1)	.3	NA	(1)	1.5	(1)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-35	6/23/94	13:16	13:17	29.31	42.0	1.2	30	(1)	(1)	(1)	(1)	(1)	(1)	32
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	(1)	(1)	(1)	(1)	(1)	(1)	20
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	(1)	(1)	(1)	(1)	(1)	(1)	41
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-36	6/23/94	11:25	11:25	29.34	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	41
SVMW-36	6/23/94	11:39	11:39	29.34	20.0	0.6	20	(1)	(1)	(1)	(1)	(1)	(1)	20
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	(1)	(1)	(1)	(1)	(1)	(1)	4000
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	(1)	(1)	(1)	(1)	(1)	(1)	5800
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	(1)	(1)	(1)	(1)	(1)	(1)	4700
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:22	09:23	29.35	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	360
SVMW-37	6/23/94	09:22	09:37	29.35	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:51	09:52	29.35	20.0	0.6	30	(1)	(1)	(1)	(1)	(1)	(1)	780
SVMW-37	6/23/94	10:08	10:08	29.35	32.0	0.9	30	(1)	(1)	(1)	(1)	(1)	(1)	860
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	(1)	(1)	(1)	(1)	(1)	(1)	55
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	(1)	(1)	(1)	(1)	(1)	(1)	87
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	6/22/94	14:46	14:46	29.31	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	0.83
SVMW-38	6/22/94	15:07	15:08	29.3	20.0	0.6	50	(1)	(1)	(1)	(1)	(1)	(1)	(1)
SVMW-38	6/22/94	15:24	15:24	29.3	30.0	0.9	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-38(X)	6/22/94	15:24	15:35	29.3	30.0	-	50	(1)	(1)	(1)	(1)	(1)	(1)	(0.1)
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	(1)	(1)	(1)	(1)	(1)	(1)	120
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	(1)	(1)	(1)	(1)	(1)	(1)	110

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ˆ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-35	6/23/94	13:16	13:17	29.31	42.0	1.2	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-36	6/23/94	11:25	11:25	29.34	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-36	6/23/94	11:39	11:39	29.34	20.0	0.6	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	(50)	(100)	(100)	NA	(100)	(1)
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	(50)	(100)	(100)	NA	(100)	(1)
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:22	09:23	29.35	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:22	09:37	29.35	5.0	-	50	NA	NA	NA	NA	NA	NA	NA
SVMW-37	6/23/94	09:51	09:52	29.35	20.0	0.6	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-37	6/23/94	10:08	10:08	29.35	32.0	0.9	30	(1)	(1)	NA	NA	NA	NA	NA
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-38	6/22/94	14:46	14:46	29.31	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-38	6/22/94	15:07	15:08	29.3	20.0	0.6	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-38	6/22/94	15:24	15:24	29.3	30.0	0.9	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-38(X)	6/22/94	15:24	15:35	29.3	30.0	-	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	(50)	(1)	(1)	NA	(1)	(0.01)

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-35	6/23/94	13:16	13:17	29.31	42.0	1.2	30	NA	3.2	16.4	80.4	0.195
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	3.5	15.8	80.7	.22
SVMW-36	2/14/94	12:51	12:53	NR	5.0	.14	-	NA	NA	NA	NA	0.222
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	3.8	15.8	80.4	0.241
SVMW-36	2/14/94	13:06	13:07	NR	20.0	.6	18	NA	NA	NA	NA	.24
SVMW-36	6/23/94	11:25	11:25	29.34	5.0	0.15	50	NA	4	16.2	79.8	0.247
SVMW-36	6/23/94	11:39	11:39	29.34	20.0	0.6	20	NA	3.4	16.5	80.1	0.206
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	2.6	17.6	79.8	0.148
SVMW-37	2/14/94	09:49	09:49	NR	5.0	.14	-	NA	NA	NA	NA	.15
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	3.3	15.9	80.8	0.208
SVMW-37	2/14/94	10:10	10:10	NR	20.0	.6	18	NA	NA	NA	NA	.21
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	2.4	16.2	81.4	0.148
SVMW-37	2/14/94	10:54	10:55	NR	32.0	1	20	NA	NA	NA	NA	.15
SVMW-37	6/23/94	09:22	09:23	29.35	5.0	0.15	50	NA	3.1	17.7	79.2	0.175
SVMW-37	6/23/94	09:22	09:37	29.35	5.0	-	50	NA	NA	NA	NA	
SVMW-37	6/23/94	09:51	09:52	29.35	20.0	0.6	30	NA	3	17.6	79.3	0.170
SVMW-37	6/23/94	10:08	10:08	29.35	32.0	0.9	30	NA	3.5	16.2	80.3	0.216
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	2.4	18.4	79.6	.13
SVMW-38	2/14/94	15:19	15:21	NR	30.0	.9	18	NA	NA	NA	NA	0.130
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	2.3	18.2	79.5	.13
SVMW-38	2/14/94	15:37	15:37	NR	20.0	.6	18	NA	NA	NA	NA	0.126
SVMW-38	6/22/94	14:46	14:46	29.31	5.0	0.15	50	NA	2.8	18.5	78.7	0.151
SVMW-38	6/22/94	15:07	15:08	29.3	20.0	0.6	50	NA	2.4	18	79.5	0.133
SVMW-38	6/22/94	15:24	15:24	29.3	30.0	0.9	50	NA	2.4	19.3	78.3	0.124
SVMW-38(X)	6/22/94	15:24	15:35	29.3	30.0	-	50	NA	2.1	19.5	78.4	0.108
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	3.7	16.6	79.7	0.223
SVMW-39	2/14/94	13:51	13:53	NR	5.0	.14	-	NA	NA	NA	NA	.22
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	3.9	16	80.1	0.244

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	CFC-11 µg/L	Methylene Chloride µg/L	1,1-DCA µg/L	Chloro-form	1,1,1-TCA µg/L	CCl4 µg/L	1,2-DCA µg/L
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	0.036^	(10)	(10)	(0.1)	5.3	.08	(10)
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	.05	(10)	(10)	(0.1)	12	(0.01)	(10)
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	6/23/94	13:41	13:41	29.31	5.0	0.15	50	0.023	(1)	(1)	(0.01)	9	(0.001)	(1)
SVMW-39	6/23/94	13:54	13:54	29.3	20.0	0.6	20	^0.024	(10)	(10)	(0.1)	4	0.023	(10)
SVMW-39	6/23/94	14:07	14:07	29.3	40.0	1.1	30	0.028	(10)	(10)	(0.1)	3.6	0.11	(10)
				NR		-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CFC-11=Freon; DCA=dichloroethane; TCA=trichloroethane; CCl4=carbon tetrachloride

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	TCE µg/L	1,1,2-TCA µg/L	PCE µg/L	Ethylene Dibromide µg/L	Vinyl Chloride µg/L	1,1-DCE µg/L	trans-1,2-DCE µg/L
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	(0.1)	(1)	.32	NA	(1)	1.8	(1)
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	1.5	(1)	.14	NA	(1)	(1)	(1)
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	6/23/94	13:41	13:41	29.31	5.0	0.15	50	(0.01)	(0.1)	0.55	NA	(1)	2.1	(1)
SVMW-39	6/23/94	13:54	13:54	29.3	20.0	0.6	20	(0.1)	(1)	0.34	NA	(1)	2.7	(1)
SVMW-39	6/23/94	14:07	14:07	29.3	40.0	1.1	30	(0.1)	(1)	0.29	NA	(1)	2.4	(1)
				NR		-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

TCE=trichloroethene; TCA=trichloroethane; PCE=tetrachloroethene; DCE=dichloroethene

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	cis-1,2-DCE µg/L	Benzene µg/L	Toluene µg/L	Ethyl Benzene µg/L	m,p Xylenes µg/L	p Xylenes µg/L	CFC-113 µg/L
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	(1)	(1)	(1)	(1)	(1)	(1)	120
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	(1)	(1)	(1)	(1)	(1)	(1)	150
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	6/23/94	13:41	13:41	29.31	5.0	0.15	50	(1)	(1)	(1)	(1)	(1)	(1)	5
SVMW-39	6/23/94	13:54	13:54	29.3	20.0	0.6	20	(1)	(1)	(1)	(1)	(1)	(1)	4.9
SVMW-39	6/23/94	14:07	14:07	29.3	40.0	1.1	30	(1)	(1)	(1)	(1)	(1)	(1)	4.2
				NR		-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

DCE=dichloroethene; CFC-113=Freon

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Acetone µg/L	Chloro-ethane µg/L	1,1,1,2-PCA µg/L	1,1,2,2-PCA µg/L	CH4 %	Chloro-benzene µg/L	Dibromo-chloro-methane µg/L
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	NA	NA	NA	NA	NA	NA
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	(50)	(1)	(1)	NA	(1)	(0.01)
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	NA	NA	NA	NA	NA	NA
SVMW-39	6/23/94	13:41	13:41	29.31	5.0	0.15	50	(1)	(1)	NA	NA	NA	NA	NA
SVMW-39	6/23/94	13:54	13:54	29.3	20.0	0.6	20	(1)	(1)	NA	NA	NA	NA	NA
SVMW-39	6/23/94	14:07	14:07	29.3	40.0	1.1	30	(1)	(1)	NA	NA	NA	NA	NA
				NR		-	-	NA	NA	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ^ = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

PCA=tetrachloroethane; CH4=methane

Table 14. Soil Vapor Sample Analytical Results
AISA Site Assessment

Sample #	Date Collected	Time	Time Injected	Barometric Pressure (in. Hg)	Depth (ft bgs)	Evacuation Volume (liter)	Flow Rate (L/min)	Total Xylenes µg/L	CO2 %	O2 %	N2 %	CO2/O2 Ratio
SVMW-39	2/14/94	14:22	14:22	NR	20.0	.6	18	NA	NA	NA	NA	.24
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	5.9	14.4	79.7	0.410
SVMW-39	2/14/94	14:36	14:36	NR	39.0	1.1	22	NA	NA	NA	NA	.41
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	1.8	19.1	79.1	0.094
SVMW-39	2/14/94	14:59	15:00	NR	5.0	.14	-	NA	NA	NA	NA	.09
SVMW-39	6/23/94	13:41	13:41	29.31	5.0	0.15	50	NA	4.2	16.5	79.3	0.255
SVMW-39	6/23/94	13:54	13:54	29.3	20.0	0.6	20	NA	3.3	17.8	78.9	0.185
SVMW-39	6/23/94	14:07	14:07	29.3	40.0	1.1	30	NA	4.3	16.5	79.2	0.261
				NR		-	-	NA	NA	NA	NA	NA

() Indicates compound not detected at or above enclosed reporting limit. NR = not reported.
NA = not analyzed. Hg = inches of mercury. µg/L = micrograms per liter in air. bgs = below ground surface. L/min = liters per minute.
MI = matrix interference. * = exceeds reporting limits. ` = below reporting limits. (X) = duplicate sample.
# = Headspace sample.

CO2=carbon dioxide; O2=oxygen; N2=nitrogen

Table 15
Aerojet AISA
Comparison of Soil Vapor Monitoring Well Results to the nearest
Soil Gas Survey Results

Well	Depth (ft)	Distance From VMW (ft)	PCE	TCE	1,1,1-TCA	CFC-11	CFC-113	CCl4
SG38	5	.65	1	150	0.2	19	29	16
SVMW-02	5		1.6	240	1.9	9.3	16	14
SG47	5	4.85	.7	14	0.07	3	6	3
SVMW-04	5		2.6	25	1.8	3.1	5.2	2.5
SG86B	5	.64	6	59	4	17	34	0.7
SVMW-06	5		11	98	1.8	3.1	14	.75
SG105	5	.37	.05	0.4	0.1	0.03	2	0.003
SVMW-13	5		0.29	2.3	0.3	0.21	54	0.023
SG174	5	.91	0.02	0.2	0.08	39	0.4	0.06
SVMW-16	5		0.1	1.5	0.26	0.99	0.29	0.15
SG156	5	1.14	0.01	0.4	11	13	0.8	0.02
SVMW-18	5		0.056	0.66	1.7	NA	NA	(0.01)
SG213	5	1.45	0.1	0.4	0.1	0.1	0.06	0.006
SVMW-20	5		0.31	0.39	0.061	0.039	(0.1)	0.005
SG1073	5	.88	1	29	110	0.6	8	(0.0004
SVMW-21	5		1.2	47	2.6	0.44	45	(0.1)
SG236	5	.44	0.2	0.6	0.1	2	16	0.5
SVMW-22	5		0.13	0.2	0.027	0.52	3.2	0.098
SG1069A	3	.81	1	6	3	6	12	26
SVMW-24	5		8	30	4.7	4	21	72
SG368	5	.02	0.003	(0.001)	0.01	0.01	0.004	(0.0001
SVMW-26	5		0.062	0.036	0.018	0.007	(0.1)	(0.001)
SG341	5	1.39	0.07	5	0.5	0.4	0.3	0.002
SVMW-27	5		1.2	9.7	0.64	1.4	(0.1)	(0.01)
SG462	5	1.23	.002	0.005	0.02	0.4	0.02	(0.0001
SVMW-28	5		0.004	(0.01)	0.024	1.1	(0.1)	(0.001)
SG705	5	3.4	0.3	220	1	0.8	(0.05)	0.03
SVMW-30	5		(1)	520	(1)	(1)	(1)	(1)
SG1055	5	.28	0.4	0.08	2	0.3	780	(0.002)
SVMW-32	5		0.56	0.12	1	0.018	41	(0.01)

Notes: Radial distance of soil gas sample location (SG) from vapor monitoring well location (SVMW).
() Indicates compound not detected at or above enclosed detection limit.
SVMW & Soil Gas sample concentrations reported in micrograms per liter (µg/l).
Soil Matrix sample (SVMW) concentrations reported in milligrams per kiliograms.
NA = Not analyzed or not available.

vmwrpt.1

Table 15
Aerojet AISA
Comparison of Soil Vapor Monitoring Well Results to the nearest
Soil Gas Survey Results

Well	Depth (ft)	Distance From VMW (ft)	PCE	TCE	1,1,1-TCA	CFC-11	CFC-113	CCl4
SG823	3	3.1	6	7	810	0.4	580	(0.005)
SVMW-37	5		2.2	7.4	290	.61	4000	1.3
SG851	3	3.61	0.62	(0.1)	110	0.044	23	(0.1)
SVMW-39	5		.23	1.5	5.6	0.019	120	(0.01)

Notes: Radial distance of soil gas sample location (SG) from vapor monitoring well location (SVMW).
() Indicates compound not detected at or above enclosed detection limit.
SVMW & Soil Gas sample concentrations reported in micrograms per liter (µg/l).
Soil Matrix sample (SVMW) concentrations reported in milligrams per kiliograms.
NA = Not analyzed or not available.

vmwrpt.1

Table 16. GROUNDWATER ELEVATION DATA
AISA SITE ASSESSMENT

Well No	Date	Time	Depth to Water (ft, BRM)	Top of Casing Elevation (ft, MSL)	Water Level Elevation (ft, MSL)	Comments
MW-1	3/31/93	10:19	286.40	559.77	273.37	
MW-1	5/04/93	13:32	276.77	559.77	283.00	
MW-1	5/28/93	07:25	271.91	559.77	287.86	
MW-1	6/25/93	09:35	274.25	559.77	285.52	
MW-1	7/28/93	09:43	279.52	559.77	280.25	
MW-1	8/27/93	07:25	283.20	559.44	276.24	Hydrostar Pump installed, reference mark resurveyed by HLA.
MW-1	9/27/93	12:45	285.86	559.44	273.58	
MW-1	10/29/93	08:10	284.99	559.44	274.45	
MW-1	11/30/93	07:48	284.27	559.44	275.17	
MW-1	12/29/93	14:09	287.09	559.44	272.35	
MW-1	1/27/94	08:38	289.57	559.47	269.90	Reference point resurveyed to MSL by licenced surveyor.
MW-1	2/23/94	08:50	291.80	559.47	267.67	
MW-1	3/24/94	08:50	293.67	559.47	265.80	
MW-1	4/28/94	11:50	296.24	559.47	263.23	
MW-1	5/25/94	08:25	296.08	559.47	263.39	
MW-1	6/21/94	08:51	294.01	559.47	265.46	
MW-1	7/28/94	09:00	296.61	559.47	262.86	
MW-2	10/29/93	07:05	278.31	553.53	275.22	
MW-2	11/30/93	08:10	278.59	553.53	274.94	
MW-2	12/29/93	14:25	281.88	553.53	271.65	
MW-2	1/27/94	09:03	284.60	552.29	267.69	Reference point resurveyed to MSL by licenced surveyor.
MW-2	2/23/94	09:33	286.85	552.29	265.44	
MW-2	3/24/94	09:03	288.84	552.29	263.45	
MW-2	4/28/94	11:20	291.38	552.29	260.91	
MW-2	5/25/94	08:40	290.43	552.29	261.86	
MW-2	6/21/94	11:14	287.99	552.29	264.30	
MW-2	7/28/94	09:10	291.70	552.29	260.59	
MW-3	3/31/93	10:45	300.42	574.21	273.79	
MW-3	5/04/93	14:06	290.60	574.21	283.61	
MW-3	5/28/93	07:45	285.70	574.21	288.51	
MW-3	6/25/93	10:00	287.57	574.21	286.64	
MW-3	7/28/93	09:59	293.15	574.21	281.06	
MW-3	8/27/93	08:00	297.09	574.21	277.12	Hydrostar Pump installed after monitoring; not yet resurveyed.
MW-3	9/27/93	11:30	300.22	574.45	274.23	Reference mark resurveyed by HLA following pump installation.
MW-3	10/29/93	08:28	299.19	574.45	275.26	
MW-3	11/30/93	09:00	298.34	574.45	276.11	

Notes: 1) ft, BRM indicates feet below reference mark.
2) ft, MSL indicates feet referenced to mean sea level.

csarmon.r1

Table 16. GROUNDWATER ELEVATION DATA
AISA SITE ASSESSMENT

Well No	Date	Time	Depth to Water (ft, BRM)	Top of Casing Elevation (ft, MSL)	Water Level Elevation (ft, MSL)	Comments
MW-3	12/29/93	13:47	301.29	574.45	273.16	
MW-3	1/27/94	09:27	303.73	574.50	270.77	Reference mark resurveyed to MSL by licenced surveyor.
MW-3	2/23/94	10:24	306.02	574.50	268.48	
MW-3	3/24/94	09:28	307.99	574.50	266.51	
MW-3	4/28/94	15:00	310.40	574.50	264.10	
MW-3	5/25/94	09:28	310.54	574.50	263.96	
MW-3	6/21/94	12:01	308.47	574.50	266.03	
MW-3	7/28/94	09:35	311.22	574.50	263.28	
MW-4	3/31/93	10:28	280.55	557.83	277.28	
MW-4	5/04/93	13:56	270.41	557.83	287.42	
MW-4	5/28/93	07:10	265.87	557.83	291.96	
MW-4	6/25/93	09:27	270.18	557.83	287.65	
MW-4	7/28/93	09:28	277.01	557.83	280.82	
MW-4	8/27/93	07:36	281.22	558.12	276.90	Hydrostar Pump installed, reference point resurveyed by HLA.
MW-4	9/27/93	12:34	284.01	558.12	274.11	
MW-4	10/29/93	07:50	282.61	558.12	275.51	
MW-4	11/30/93	08:40	282.67	558.12	275.45	
MW-4	12/29/93	15:05	285.92	558.12	272.20	
MW-4	1/27/94	08:50	288.65	556.67	268.02	Reference point resurveyed to MSL by licenced surveyor.
MW-4	2/23/94	09:57	290.96	556.67	265.71	
MW-4	3/24/94	09:17	292.98	556.67	263.69	
MW-4	4/28/94	12:50	295.52	556.67	261.15	
MW-4	5/25/94	08:56	294.63	556.67	262.04	
MW-4	6/21/94	11:38	292.08	556.67	264.59	
MW-4	7/28/94	09:20	295.79	556.67	260.88	
MW-5	5/25/94	08:05	274.12	537.18	263.06	
MW-5	6/21/94	09:40	270.94	537.18	266.24	
MW-5	7/28/94	09:50	276.18	537.18	261.00	

Notes: 1) ft, BRM indicates feet below reference mark.
2) ft, MSL indicates feet referenced to mean sea level.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane
MW-01	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	8/27/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	11/30/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	2/23/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	11/30/93		(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	TR(5.0)	8.7	(5.0)	(5.0)	(5.0)
MW-02	11/30/93	Dup	(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	TR(5.0)	8.8	(5.0)	(5.0)	(5.0)
MW-02	2/23/94		(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	14.0	(5.0)	(5.0)	(5.0)
MW-02	5/26/94		(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	TR(5.0)	12.0	(5.0)	(5.0)	(5.0)
MW-03	5/28/93		TR(5.0)	15.0	(5.0)	TR(5.0)	TR(5.0)	5.1	19.0	(5.0)	(5.0)	10.0
MW-03	8/27/93		(5.0)	45.0	(5.0)	TR(5.0)	(5.0)	9.8	25.0	(5.0)	(5.0)	(5.0)
MW-03	8/27/93	Dup	(5.0)	43.0	(5.0)	TR(5.0)	(5.0)	9.2	24.0	(5.0)	(5.0)	(5.0)
MW-03	12/01/93		(5.0)	27.0	(5.0)	TR(5.0)	(5.0)	5.0	17.0	(5.0)	(5.0)	(5.0)
MW-03	2/24/94		(5.0)	8.5	(5.0)	TR(5.0)	(5.0)	TR(5.0)	5.5	(5.0)	(5.0)	(5.0)
MW-03	5/26/94		(5.0)	6.8	(5.0)	(5.0)	(5.0)	TR(5.0)	5.9	(5.0)	(5.0)	(5.0)
MW-04	5/28/93		(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	6.6	(5.0)	(5.0)	(5.0)
MW-04	5/28/93	Dup	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	7.5	(5.0)	(5.0)	(5.0)
MW-04	8/27/93		(5.0)	7.3	(5.0)	(5.0)	TR(5.0)	TR(5.0)	17.0	(5.0)	(5.0)	(5.0)
MW-04	12/01/93		(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	18.0	(5.0)	(5.0)	(5.0)
MW-04	2/24/94		(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)
MW-04	2/24/94	Dup	(5.0)	5.5	(5.0)	(5.0)	TR(5.0)	TR(5.0)	16.0	(5.0)	(5.0)	(5.0)
MW-04	5/26/94		(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	13.0	(5.0)	(5.0)	(5.0)
MW-05	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	5/25/94	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,2,4-Tri-chloro-benzene	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane
MW-01	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	8/27/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	11/30/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	2/23/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	11/30/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	91.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	11/30/93	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	89.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	2/23/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	44.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	5/26/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	33.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	44.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	8/27/93		(5.0)	(5.0)	(5.0)	19.0	(5.0)	25.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	8/27/93	Dup	(5.0)	(5.0)	(5.0)	18.0	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	12/01/93		(5.0)	(5.0)	(5.0)	8.9	(5.0)	9.9	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	2/24/94		(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	5/26/94		(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	6.7	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	5/28/93	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	5.3	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	8/27/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	24.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	12/01/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	20.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	2/24/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	33.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	2/24/94	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	33.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	5/26/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	5/25/94	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane
MW-01	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	8/27/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	11/30/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	2/23/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-01	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	11/30/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	11/30/93	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	2/23/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-02	5/26/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	8/27/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	8/27/93	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	12/01/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(5.0)	(5.0)	(5.0)
MW-03	2/24/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-03	5/26/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	5/28/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	17.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	5/28/93	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	12.0	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	8/27/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	12/01/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	2/24/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	2/24/94	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-04	5/26/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-05	5/25/94	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Bromoform	Bromo-methane	Carbon tetra-chloride	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane
MW-01	5/28/93		(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-01	8/27/93		(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-01	11/30/93		(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-01	2/23/94		(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-01	5/25/94		(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-02	11/30/93		(5.0)	(10.0)	12.0	(5.0)	(10.0)	97.0	(10.0)	18.0	(5.0)	(5.0)
MW-02	11/30/93	Dup	(5.0)	(10.0)	11.0	(5.0)	(10.0)	93.0	(10.0)	18.0	(5.0)	(5.0)
MW-02	2/23/94		(5.0)	(10.0)	33.0	(5.0)	(10.0)	66.0	(10.0)	26.0	(5.0)	(5.0)
MW-02	5/26/94		(5.0)	(10.0)	26.0	(5.0)	(10.0)	79.0	(10.0)	25.0	(5.0)	(5.0)
MW-03	5/28/93		(5.0)	(10.0)	6.0	(5.0)	(10.0)	6.0	(10.0)	4800.0	(5.0)	(5.0)
MW-03	8/27/93		(5.0)	(10.0)	11.0	(5.0)	(10.0)	TR(5.0)	(10.0)	4600.0	(5.0)	(5.0)
MW-03	8/27/93	Dup	(5.0)	(10.0)	10.0	(5.0)	(10.0)	TR(5.0)	(10.0)	4700.0	(5.0)	(5.0)
MW-03	12/01/93		(5.0)	(10.0)	9.6	(5.0)	(10.0)	TR(5.0)	(10.0)	2800.0	(5.0)	(5.0)
MW-03	2/24/94		(5.0)	(10.0)	5.6	(5.0)	(10.0)	(5.0)	(10.0)	1100.0	(5.0)	(5.0)
MW-03	5/26/94		(5.0)	(10.0)	TR(5.0)	(5.0)	(10.0)	TR(5.0)	(10.0)	1200.0	(5.0)	(5.0)
MW-04	5/28/93		(5.0)	(10.0)	19.0	(5.0)	(10.0)	11.0	(10.0)	12.0	(5.0)	(5.0)
MW-04	5/28/93	Dup	(5.0)	(10.0)	22.0	(5.0)	(10.0)	13.0	(10.0)	16.0	(5.0)	(5.0)
MW-04	8/27/93		(5.0)	(10.0)	44.0	(5.0)	(10.0)	66.0	(10.0)	13.0	(5.0)	(5.0)
MW-04	12/01/93		(5.0)	(10.0)	53.0	(5.0)	(10.0)	69.0	(10.0)	8.1	(5.0)	(5.0)
MW-04	2/24/94		(5.0)	(10.0)	15.0	(5.0)	(10.0)	91.0	(10.0)	7.1	(5.0)	(5.0)
MW-04	2/24/94	Dup	(5.0)	(10.0)	32.0	TR(5.0)	(10.0)	120.0	(10.0)	10.0	(5.0)	(5.0)
MW-04	5/26/94		(5.0)	(10.0)	66.0	(5.0)	(10.0)	23.0	(10.0)	7.9	(5.0)	(5.0)
MW-05	5/25/94		(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-05	5/25/94	Dup	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene
MW-01	5/28/93		(10.0)	(5.0)	(5.0)	(5.0)	8.7	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-01	8/27/93		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-01	11/30/93		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-01	2/23/94		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-01	5/25/94		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-02	11/30/93		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-02	11/30/93	Dup	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-02	2/23/94		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-02	5/26/94		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-03	5/28/93		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-03	8/27/93		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-03	8/27/93	Dup	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-03	12/01/93		(10.0)	(5.0)	(5.0)	(5.0)	5.6B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-03	2/24/94		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-03	5/26/94		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	5/28/93		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	5/28/93	Dup	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	8/27/93		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	12/01/93		(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	2/24/94		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)B	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	2/24/94	Dup	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-04	5/26/94		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-05	5/25/94		(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-05	5/25/94	Dup	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
MW-01	5/28/93		(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	7.0	(5.0)	(10.0)	(5.0)
MW-01	8/27/93		(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	12.0	(5.0)	(10.0)	(5.0)
MW-01	11/30/93		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-01	2/23/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-01	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-02	11/30/93		(5.0)	(5.0)	25.0	(5.0)	(5.0)	2300.0	(5.0)	(10.0)	(5.0)
MW-02	11/30/93	Dup	(5.0)	(5.0)	24.0	(5.0)	(5.0)	2200.0	(5.0)	(10.0)	(5.0)
MW-02	2/23/94		(5.0)	(5.0)	120.0	(5.0)	(5.0)	2400.0	(5.0)	(10.0)	(5.0)
MW-02	5/26/94		(5.0)	(5.0)	390.0	(5.0)	(5.0)	2800.0	(5.0)	(10.0)	(5.0)
MW-03	5/28/93		(5.0)	(5.0)	9800.0	TR(5.0)	22.0	5200.0	(5.0)	(10.0)	(5.0)
MW-03	8/27/93		(5.0)	(5.0)	10000.0	(5.0)	120.0	4700.0	(5.0)	(10.0)	(5.0)
MW-03	8/27/93	Dup	(5.0)	(5.0)	9900.0	(5.0)	130.0	4800.0	(5.0)	(10.0)	(5.0)
MW-03	12/01/93		(5.0)	(5.0)	7900.0	(5.0)	74.0	3600.0	(5.0)	(10.0)	(5.0)
MW-03	2/24/94		(5.0)	(5.0)	5900.0	(5.0)	46.0	2100.0	(5.0)	(10.0)	(5.0)
MW-03	5/26/94		(5.0)	(5.0)	6900.0	(5.0)	33.0	1700.0	(5.0)	(10.0)	(5.0)
MW-04	5/28/93		(5.0)	(5.0)	75.0	TR(5.0)	(5.0)	1100.0	(5.0)	(10.0)	(5.0)
MW-04	5/28/93	Dup	(5.0)	(5.0)	85.0	TR(5.0)	(5.0)	1100.0	(5.0)	(10.0)	(5.0)
MW-04	8/27/93		(5.0)	(5.0)	16.0	(5.0)	(5.0)	3300.0	(5.0)	(10.0)	(5.0)
MW-04	12/01/93		(5.0)	(5.0)	19.0	(5.0)	(5.0)	3500.0	(5.0)	(10.0)	(5.0)
MW-04	2/24/94		(5.0)	(5.0)	23.0	(5.0)	(5.0)	4200.0	(5.0)	(10.0)	(5.0)
MW-04	2/24/94	Dup	(5.0)	(5.0)	44.0	(5.0)	(5.0)	3800.0	(5.0)	(10.0)	(5.0)
MW-04	5/26/94		(5.0)	(5.0)	260.0	(5.0)	(5.0)	3000.0	(5.0)	(10.0)	(5.0)
MW-05	5/25/94		(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-05	5/25/94	Dup	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane
MW-09	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	11/30/93	Trip	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	2/24/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	5/26/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-14	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-14	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	5/28/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	8/27/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,2,4-Tri-chloro-benzene	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane
MW-09	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	2/24/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	5/26/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-14	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-14	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	5/28/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	8/27/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane
MW-09	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-10	2/24/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-11	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	TR(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-12	5/26/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-13	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-14	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-14	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	5/28/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	8/27/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-15	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Bromoform	Bromo-methane	Carbon tetra-chloride	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane
MW-09	8/27/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-10	5/28/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-10	8/27/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-10	11/30/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-10	2/24/94	Field	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-11	5/28/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-11	8/27/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-11	11/30/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-11	2/23/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-12	8/27/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-12	12/01/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-12	2/24/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-12	5/26/94	Field	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-13	12/01/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-13	2/23/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-13	5/25/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-14	2/24/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-14	5/26/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	TR(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-15	5/28/93	Field	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-15	8/27/93	Field	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-15	11/30/93	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene
MW-09	8/27/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-10	5/28/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-10	8/27/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-10	11/30/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	6.9	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-10	2/24/94	Field	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-11	5/28/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-11	8/27/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-11	11/30/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-11	2/23/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-12	8/27/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-12	12/01/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	5.3	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-12	2/24/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-12	5/26/94	Field	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-13	12/01/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-13	2/23/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-13	5/25/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-14	2/24/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-14	5/26/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-15	5/28/93	Field	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-15	8/27/93	Field	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-15	11/30/93	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
MW-09	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-10	5/28/93	Trip	(5.0)	(5.0)	5.2	(5.0)	(5.0)	TR(5.0)	(5.0)	(10.0)	(5.0)
MW-10	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-10	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-10	2/24/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-11	5/28/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-11	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-11	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-11	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-12	8/27/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-12	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-12	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-12	5/26/94	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-13	12/01/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-13	2/23/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-13	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-14	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-14	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-15	5/28/93	Field	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-15	8/27/93	Field	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-15	11/30/93	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,1,1,2-Tetra-chloro-ethane	1,1,1-Trichloro-ethane	1,1,2,2-Tetra-chloro-ethane	1,1,2-Tri-chloro-1,2,2 trifluoro-ethane (Freon-113)	1,1,2-Tri-chloro-ethane	1,1-Di-chloro-ethane	1,1-Di-chloro-ethene	1,1-Di-chloro-propene	1,2,3-Tri-chloro-benzene	1,2,3-Tri-chloro-propane
MW-15	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	5/28/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	11/30/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-17	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-17	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-18	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-19	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,2,4-Tri-chloro-benzene	1,2,4-Tri-methyl-benzene	1,2-Di-bromo-3-chloro-propane (DBCP)	1,2-Di-bromo-ethane (EDB)	1,2-Di chloro-benzene	1,2-Di chloro-ethane	1,2-Di chloro-propane	1,3,5-Trimethyl-benzene	1,3-Di-chloro-benzene	1,3-Di-chloro-propane
MW-15	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	5/28/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	11/30/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-17	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-17	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-18	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-19	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,4-Di-chloro-benzene	1-Methyl-ethyl-benzene	2,2-Di-chloro-propane	2-Chloro-toluene	4-Chloro-toluene	Acetone	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-dichloro-methane
MW-15	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	5/28/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	11/30/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-16	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-17	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-17	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-18	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)
MW-19	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Bromoform	Bromo-methane	Carbon tetra-chloride	Chloro-benzene	Chloro-ethane	Chloro-form	Chloro-methane	cis-1,2-Dichloro-ethene	Dibromo-chloro-methane	Dibromo-methane
MW-15	5/26/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-16	5/28/93	Equip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-16	11/30/93	Equip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-16	2/24/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-16	5/25/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-17	2/24/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-17	5/25/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-18	5/26/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)
MW-19	5/25/94	Trip	(5.0)	(10.0)	(5.0)	(5.0)	(10.0)	(5.0)	(10.0)	(5.0)	(5.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Dichloro-difluoro-methane	Ethyl-benzene	Hexachloro-butadiene	Isopropyl-toluene	Methylene Chloride	n-Butyl-benzene	n-Propyl benzene	Naphthalene	Nitro-methane	sec-Butyl-benzene
MW-15	5/26/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-16	5/28/93	Equip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-16	11/30/93	Equip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-16	2/24/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-16	5/25/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-17	2/24/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-17	5/25/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-18	5/26/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)
MW-19	5/25/94	Trip	(10.0)	(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	(5.0)	(200.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 17
AISA Site Assessment
EPA Method 8240
Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Styrene	tert-Butyl-benzene	Tetrachloro-ethene	Toluene	trans-1,2-Dichloro-ethene	Trichloro-ethene	Trichloro-fluoro-methane	Vinyl chloride	Xylenes (Total)
MW-15	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-16	5/28/93	Equip	(5.0)	(5.0)	TR(5.0)	(5.0)	(5.0)	TR(5.0)	(5.0)	(10.0)	(5.0)
MW-16	11/30/93	Equip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-16	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-16	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-17	2/24/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-17	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-18	5/26/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)
MW-19	5/25/94	Trip	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(5.0)	(10.0)	(5.0)

() Indicates compound not detected at or above enclosed reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
TB = Trip blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene
MW-01	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-01	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-01	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-01	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-01	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-02	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-02	11/30/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-02	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-02	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-03	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-03	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-03	8/27/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-03	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-03	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-03	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	5/28/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	2/24/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-04	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-05	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-05	5/25/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	2,6,Di-nitro-toluene	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol
MW-01	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-01	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-01	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-01	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-01	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-02	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-02	11/30/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-02	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-02	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-03	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-03	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-03	8/27/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-03	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-03	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-03	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	5/28/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	2/24/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-04	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-05	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-05	5/25/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene
MW-01	5/28/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-01	8/27/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-01	11/30/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-01	2/23/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-01	5/25/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93	Dup	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-02	2/23/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-02	5/26/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-03	5/28/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93	Dup	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-03	12/01/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-03	2/24/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-03	5/26/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93	Dup	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	8/27/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	12/01/93		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94	Dup	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-04	5/26/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94	Dup	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether
MW-01	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene
MW-01	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93		TR(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93	Dup	TR(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93	Dup	22.0*	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine
MW-01	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	
MW-01	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-01	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-01	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-01	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-02	11/30/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-02	11/30/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-02	2/23/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-02	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-03	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	
MW-03	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-03	8/27/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-03	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-03	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-03	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-04	5/28/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	
MW-04	5/28/93	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	
MW-04	8/27/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-04	12/01/93		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-04	2/24/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-04	2/24/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-04	5/26/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-05	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-05	5/25/94	Dup	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene	Phenol	Pyrene	Xylidine (total)
MW-01	5/28/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	8/27/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	11/30/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	2/23/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-01	5/25/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	11/30/93	Dup	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	2/23/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-02	5/26/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	5/28/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	8/27/93	Dup	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	12/01/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	2/24/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-03	5/26/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/28/93	Dup	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	8/27/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	12/01/93		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	2/24/94	Dup	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-04	5/26/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-05	5/25/94	Dup	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	1,2,4-Tri-chloro-benzene	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	2,4,5-Tri-chloro-phenol	2,4,6-Tri-chloro-phenol	2,4,Di-chloro-phenol	2,4,Di-methyl-phenol	2,4,Di-nitro-phenol	2,4,Di-nitro-toluene
MW-12	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-10	2/24/94	Field	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-15	5/28/93	Field	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)
MW-16	5/28/93	Equip	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	2,6,Di-nitro-toluene	2-Chloro-naphthalene	2-Chloro-phenol	2-Methyl-naphthalene	2-Methyl-phenol	2-Nitro-aniline	2-Nitro-phenol	3,3-Di chloro-benzidine	3-Nitro-aniline	3,4-Methyl phenol
MW-12	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-10	2/24/94	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-15	5/28/93	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)
MW-16	5/28/93	Equip	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(20.0)	(50.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	4,6-Dinitro-2-methyl-phenol	4-Bromo-phenyl phenyl ether	4-Chloro-3-methyl-phenol	4-Chloro-aniline	4-Chloro-phenyl phenyl ether	4-Nitro-aniline	4-Nitro-phenol	Acenaph-thene	Acenaph-thylene	Anthracene
MW-12	5/25/94		(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-10	2/24/94	Field	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)
MW-15	5/28/93	Field	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	TR(10.0)
MW-16	5/28/93	Equip	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(50.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoro-anthene	Benzo-(g,h,i)-perylene	Benzo(k)-fluoro-anthene	Benzoic acid	Benzyl alcohol	bis(2-chloro-ethoxy)-methane	bis(2-chloro-ethyl) ether	bis(2-chloro-isopropyl)-ether
MW-12	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-10	2/24/94	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-15	5/28/93	Field	TR(10.0)	(10.0)	(10.0)	TR(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-16	5/28/93	Equip	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	bis(2-Ethyl-hexyl)-phthalate	Butyl benzyl phthalate	Chrysene	Di-n-butyl phthalate	Di-n-octyl phthalate	Dibenz-(a,h)-anthracene	Dibenzo-furan	Diethyl phthalate	Dimethyl phthalate	Fluoro-anthene
MW-12	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-10	2/24/94	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-15	5/28/93	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-16	5/28/93	Equip	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	Fluorene	Hexa-chloro-benzene	Hexa-chloro-butadiene	Hexa-chloro-cyclo-pentadiene	Hexa-chloro-ethane	Indeno-(1,2,3-c,d)-pyrene	Isophorone	N-Nitroso-di-n-propyl-amine	n-Nitroso-diethyl amine	N-Nitroso-dimethyl-amine
MW-12	5/25/94		(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-10	2/24/94	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)		(10.0)
MW-15	5/28/93	Field	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	
MW-16	5/28/93	Equip	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	(10.0)	

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 18
AISA Site Assessment
EPA Method 8270
Semi-Volatile Organic Compound Results for Groundwater Samples

Sample #	Date Collected	QC Type	N-Nitroso-diphenyl-amine	Naphthalene	Nitro-benzene	Pentachloro-phenol	Phen-anthrene	Phenol	Pyrene	Xylidine (total)
MW-12	5/25/94		(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-10	2/24/94	Field	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)
MW-15	5/28/93	Field	(10.0)	(10.0)	(10.0)	(50.0)	TR(10.0)	(10.0)	TR(10.0)	(10.0)
MW-16	5/28/93	Equip	(10.0)	(10.0)	(10.0)	(50.0)	(10.0)	(10.0)	(10.0)	(10.0)

() Indicates compound not detected at or above respective reporting limit.
All results reported in micrograms per liter.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.
B = Constituent was present in the associated method blank.

Table 19
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Groundwater Samples

Sample #	QC Type	Date Collected	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Zinc
MW-01		5/28/93	(0.10)	0.012	0.12	(0.0050)	(0.010)	TR(0.020)	(0.050)	0.038	(0.00050)	TR(0.040)	0.074
MW-01		8/27/93	TR(0.10)	TR(0.0050)	0.18	(0.0050)	0.019	TR(0.020)	(0.050)	TR(0.010)	0.00058	TR(0.040)	TR(0.020
MW-01		2/23/94	TR(0.10)	TR(0.0050)	0.17	(0.0050)	0.012	TR(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	0.023
MW-01		5/25/94	(0.10)	0.0059	0.16	(0.0050)	0.014	(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	TR(0.020
MW-02		11/30/93	(0.10)	(0.0050)	0.21	(0.0050)	0.014	(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	(0.020)
MW-02		2/23/94	TR(0.10)	(0.0050)	0.16	(0.0050)	TR(0.010)	TR(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	TR(0.020
MW-02		5/26/94	(0.10)	TR(0.0050)	0.17	(0.0050)	(0.010)	TR(0.020)	(0.050)	TR(0.010)	0.00052	TR(0.040)	0.030B
MW-03		5/28/93	(0.10)	(0.0050)	0.21	(0.0050)	(0.010)	TR(0.020)	(0.050)	0.15	(0.00050)	TR(0.040)	0.11
MW-03		8/27/93	TR(0.10)	TR(0.0050)	0.24	(0.0050)	0.023	TR(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	0.023
MW-03	Dup	8/27/93	TR(0.10)	TR(0.0050)	0.25	(0.0050)	0.016	(0.020)	(0.050)	TR(0.010)	0.00075	TR(0.040)	0.031
MW-03		12/01/93	TR(0.10)	(0.0050)	0.23	(0.0050)	TR(0.010)	(0.020)	(0.050)	0.011	(0.00050)	TR(0.040)	TR(0.020
MW-03		2/24/94	TR(0.10)	(0.0050)	0.20	(0.0050)	(0.010)	TR(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	TR(0.020
MW-03		5/26/94	(0.10)	TR(0.0050)	0.19	(0.0050)	(0.010)	(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	0.042B
MW-04		5/28/93	TR(0.10)	(0.0050)	0.12	(0.0050)	(0.010)	TR(0.020)	(0.050)	0.035J	(0.00050)	TR(0.040)	0.052J
MW-04	Dup	5/28/93	(0.10)	TR(0.0050)	0.11	(0.0050)	TR(0.010)	TR(0.020)	(0.050)	0.034	(0.00050)	TR(0.040)	0.050
MW-04		8/27/93	TR(0.10)	TR(0.0050)	0.18	(0.0050)	0.020	TR(0.020)	TR(0.050)	0.011	TR(0.00050	TR(0.040)	0.021
MW-04		12/01/93	TR(0.10)	(0.0050)	0.20	(0.0050)	TR(0.010)	(0.020)	(0.050)	TR(0.010)	TR(0.00050	TR(0.040)	TR(0.020
MW-04	Dup	2/24/94	TR(0.10)	(0.0050)	0.22	(0.0050)	(0.010)	TR(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	TR(0.020
MW-04		2/24/94	TR(0.10)	(0.0050)	0.21	(0.0050)	(0.010)	TR(0.020)	(0.050)	TR(0.010)	(0.00050)	TR(0.040)	TR(0.020
MW-04		5/26/94	TR(0.10)	TR(0.0050)	0.16	(0.0050)	(0.010)	TR(0.020)	(0.050)	TR(0.010)	TR(0.00050	TR(0.040)	0.023B
MW-05	Dup	5/25/94	(0.10)	TR(0.0050)	0.15	(0.0050)	(0.010)	(0.020)	(0.050)	0.058	(0.00050)	TR(0.040)	TR(0.020
MW-05		5/25/94	(0.10)	TR(0.0050)	0.15	(0.0050)	(0.010)	TR(0.020)	(0.050)	0.055	(0.00050)	TR(0.040)	TR(0.020

All results reported in milligrams per liter.
NA = Not applicable or not available. B = compound also detected in the blank. J = Results estimated.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation limit, and therefore, the concentration was not quantifiable.

Table 19
AISA Site Assessment
EPA Method 6010 and 7000 Series
Metals Results for Groundwater Samples

Sample #	QC Type	Date Collected	Aluminum	Arsenic	Barium	Cadmium	Chromium	Copper	Lead	Manganese	Mercury	Nickel	Zinc
MW-12		5/25/94	(0.10)	TR(0.0050)	(0.010)	(0.0050)	(0.010)	(0.020)	(0.050)	(0.010)	(0.00050)	(0.040)	TR(0.020
MW-10	Field	2/24/94	(0.10)	(0.0050)	(0.010)	(0.0050)	(0.010)	TR(0.020)	(0.050)	(0.010)	(0.00050)	(0.040)	TR(0.020
MW-15	Field	5/28/93	(0.10)	(0.0050)	TR(0.010)	(0.0050)	(0.010)	TR(0.020)	(0.050)	(0.010)	(0.00050)	(0.040)	TR(0.020
MW-16	Equip	5/28/93	TR(0.10)	(0.0050)	TR(0.010)	(0.0050)	TR(0.010)	TR(0.020)	TR(0.050)	(0.010)	(0.00050)	TR(0.040)	TR(0.020

All results reported in milligrams per liter.
NA = Not applicable or not available. B = compound also detected in the blank. J = Results estimated.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation limit, and therefore, the concentration was not quantifiable.

Table 20
AISA Site Assessment
Miscellaneous Results for Groundwater Samples

Sample #	QC Type	Date Collected	Chlorate	Cyanide (total)	Nitrate	Total Organic carbon
MW-01		5/28/93	(0.20)	(0.010)	1.7	(1.0)
MW-01		8/27/93	(0.20)	(0.010)	3.4	(1.0)
MW-01		2/23/94	(0.20)	(0.010)	5.6	7.8
MW-01		5/25/94	(0.20)	(0.010)	6.8	1.3
MW-02		11/30/93	(0.20)	(0.010)UJ	21.4	1.1
MW-02		2/23/94	(0.20)	0.024	14.3	9.9
MW-02		5/26/94	(0.20)	0.037	12.6	(1.0)
MW-03		5/28/93	0.31	TR(0.010)	26.1	2.7
MW-03		8/27/93	0.34	(0.010)	10.7	3.3
MW-03	Dup	8/27/93	0.33	(0.010)	10.2	2.8
MW-03		2/24/94		(0.010)		11.2
MW-03		5/26/94	(0.20)	0.026	8.3	2.1
MW-04		5/28/93	(0.20)	0.064	6.4	3.8
MW-04	Dup	5/28/93	(0.20)	0.052	6.5	4.4
MW-04		8/27/93	(0.20)	0.010	11.6	1.3
MW-04	Dup	2/24/94	(0.20)	0.021	14.2	10.7
MW-04		2/24/94	(0.20)	0.021	10.1	12.2
MW-04		5/26/94	(0.20)	0.051	7.2	1.7
MW-05	Dup	5/25/94	(0.20)	0.080	8.1	2.2
MW-05		5/25/94	(0.20)	0.082	8.0	1.1
MW-12		5/25/94	(0.20)	(0.010)	0.11	(1.0)
MW-10	Field	2/24/94	(0.20)	(0.010)	(0.10)	(1.0)
MW-15	Field	5/28/93	(0.20)	(0.010)	(0.10)	(1.0)
MW-16	Equip	5/28/93	(0.20)	(0.010)	(0.10)	(1.0)

All results reported in micrograms per liter.
NA = Not applicable or not available. UJ = Results estimated Non-detected.
TR = Constituent was present at a concentration between the Method Detection Limit and the indicated Practical Quantitation Limit, and therefore, the concentration was not quantifiable.

Table 21. Comparision of Soil Vapor and Groundwater Concentrations, Henry's Law Constants, and Relative Equilibrium For Well Pairs MW-02, MW-03, and MW-04

Well MW-02 Data

Chemical Constituent	Henry's Law Constant	Vapor Sampling Date	Measured Vapor-Phase Concentration (ug/l)	Groundwater Sampling Date	Measured Water-Phase Concentration (ug/l)	Theoretical Vapor-Phase Concentration (ug/l)
TCE	0.38	02/14/94	29	02/23/94	2,400	912
	0.38	06/24/94	4.7	05/26/94	2,800	1,064
PCE	1.18	02/14/94	0.52	02/23/94	120	142
	1.18	06/24/94	0.17	05/26/94	390	460
Carbon Tetrachloride	1.00	02/14/94	0.92	02/23/94	33	33
	1.00	06/24/94	0.091	05/26/94	26	26

Well MW-03 Data

Chemical Constituent	Henry's Law Constant	Vapor Sampling Date	Measured Vapor-Phase Concentration (ug/l)	Groundwater Sampling Date	Measured Water-Phase Concentration (ug/l)	Theoretical Vapor-Phase Concentration (ug/l)
TCE	0.38	06/27/94	4.7	05/26/94	1,700	646
PCE	1.18	06/27/94	30	05/26/94	6,900	8,142
Carbon Tetrachloride	1.00	06/27/94	0.096	05/26/94	5	5

Table 21. Comparision of Soil Vapor and Groundwater Concentrations, Henry's Law Constants, and Relative Equilibrium For Well Pairs MW-02, MW-03, and MW-04

Well MW-04 Data

Chemical Constituent	Henry's Law Constant	Vapor Sampling Date	Measured Vapor-Phase Concentration (ug/l)	Groundwater Sampling Date	Measured Water-Phase Concentration (ug/l)	Theoretical Vapor-Phase Concentration (ug/l)
TCE	0.38	06/24/94	55	05/26/94	3,000	1,140
PCE	1.18	06/24/94	0.39	05/26/94	260	307
Carbon Tetrachloride	1.00	06/24/94	2	05/26/94	66	66

Notes: MW-02 sounding tube (vapor) monitoring point open at 284 feet bgs.
Depth to water in MW-02 was 287 feet bgs on 2/23/94 and 290 feet bgs on 5/25/94.
MW-03 sounding tube (vapor) monitoring point open at 305 feet bgs.
Depth to water in MW-03 was 311 feet bgs on 5/25/94.
MW-04 sounding tube (vapor) monitoring point open at 288 feet bgs.
Depth to water in MW-02 was 295 feet bgs on 5/25/94.
Henry's Law Constants obtained from Superfund Public Health Evaluation Manual, EPA/540/1-86-1060 (EPA, 1986).

Table 22. VLEACH Model Input Parameters

Chemical	Air Diffusion Coefficient (m2/day)	Henry's Law (1) Constant (unitless)	Organic Carbon (1) Partitioning Coefficient (ml/g)	Solubility (1) (mg/l)	Fraction of Organic Carbon (by weight)	Source Concentration in Groundwater (ug/l)	Source Concentration in Soil Vapor (ug/l)
Offgassing Simulations							
TCE	0.86	0.38	126	1,100	0.001	2,400	0
PCE	0.86	1.18	364	150	0.001	120	0
CCl4	0.86	1	110	757	0.001	33	0
CFC-11	0.86	4.6 (2)	159	1,100	0.001	5	0
Downward Diffusion Simulations							
1,1,1-TCA	0.86	0.6	152	1,500	0.001	0	380 - 0 to 15 feet 650 - 15 to 25 feet 320 - 25 to 50 feet
CFC-113	0.86	22 (3)	190 (3)	10	0.001	0	3,400 - 0 to 15 feet 1,600 - 15 to 25 feet 860 - 25 to 50 feet
TCE	0.86	0.38	126	1,100	0.001	0	190 - 0 to 15 feet 14 - 15 to 25 feet 1.3 - 25 to 50 feet

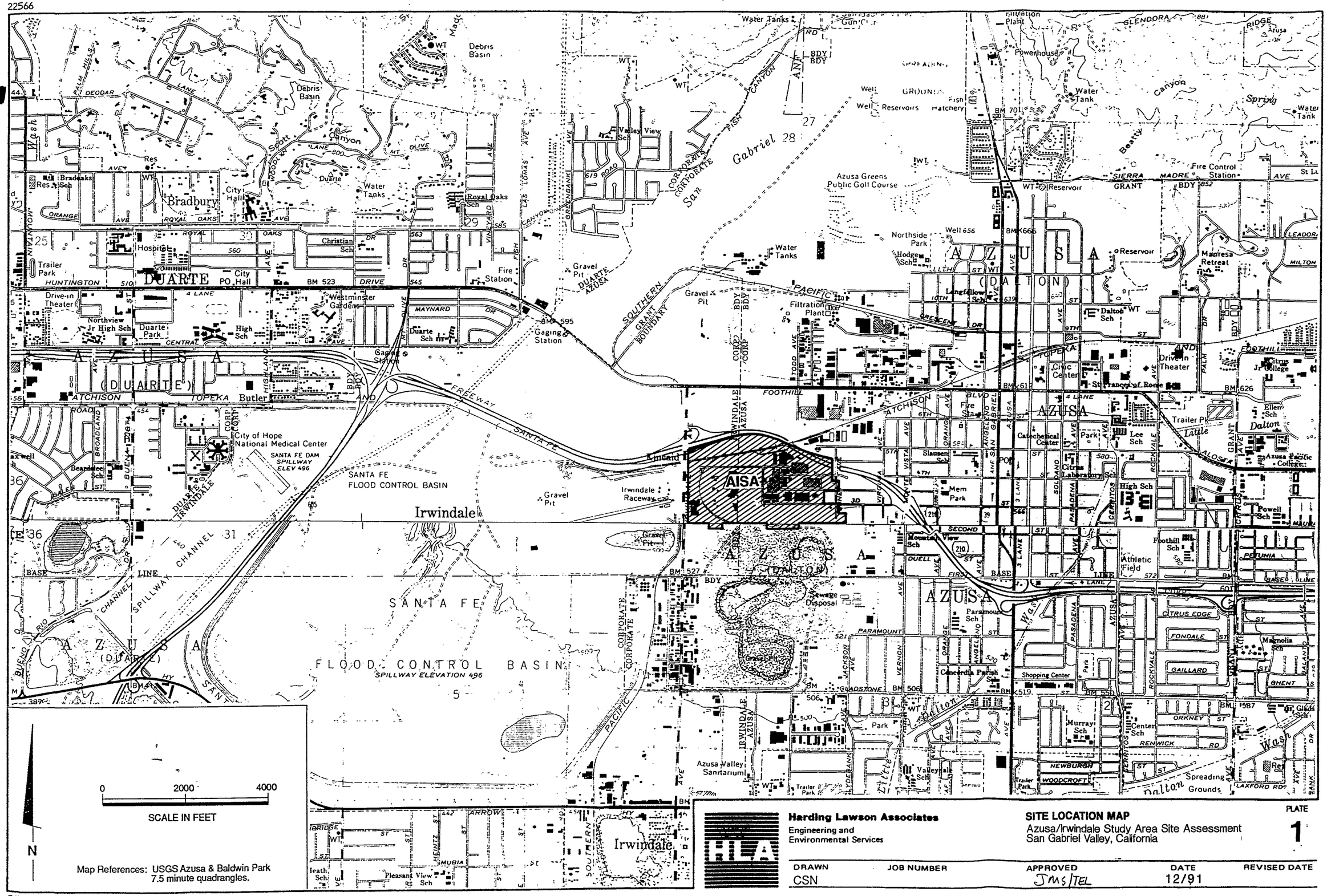
(1) All values cited obtained from USEPA, 1986 (Superfund Public Health Evaluation Manual, EPA/540/1-86-1060) unless otherwise noted.

(2) Values obtained from USDOE - Oak Ridge National Laboratory, 1989 (The Installation Restoration Program Toxicology Guide).

(3) Values obtained from Mackay, 1993 (Illustrated Handbook of Physical - Chemical properties and environmental fate for organic chemicals).

ILLUSTRATIONS

22566



Harding Lawson Associates
Engineering and Environmental Services

SITE LOCATION MAP
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

PLATE 1

DRAWN	JOB NUMBER	APPROVED	DATE	REVISED DATE
CSN		JMS/TEL	12/91	

DIETERICH-POST 130713

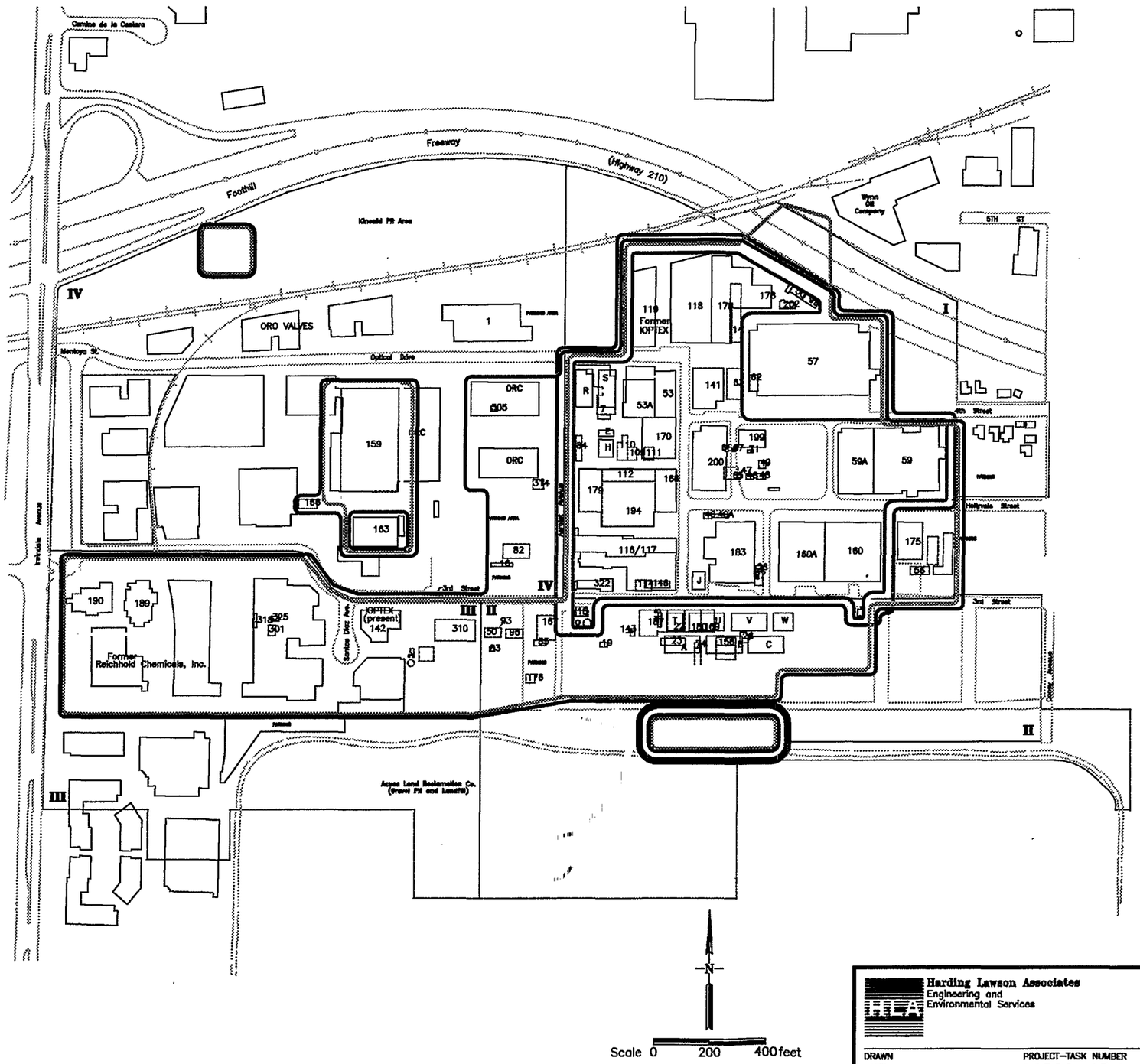
PARTIALLY SCANNED
OVERSIZE ITEM (S)

See Document # 21540
for partially scanned image(s).

For complete version of oversize document(s),
see paper copy.

OVD-parent

USER 1 PLOT 1 = 400 HDT\26522\15-6\B94HIST



EXPLANATION

COMPONENTS OF AISA SITE ASSESSMENT PROGRAM

- Boundary of the AISA
- AISA Quadrant Boundary
- 1955–1960
- 1960–1965/1965–1970
- 1970–1975
- 1975–1980
- 1980–1990

Harding Lawson Associates
Engineering and Environmental Services

CHRONOLOGY OF AEROJET OCCUPIED LAND USAGE
Azusa/Irwindale Study Area Site Assessment
San Gabriel Valley, California

PLATE 3

DRAWN	PROJECT–TASK NUMBER	APPROVED	DATE	REVISED	DATE
JTL	26522–15.6	PEL	8/94		

PARTIALLY SCANNED
OVERSIZE ITEM (S)

See Document # 21540
for partially scanned image(s).

For complete version of oversize document(s),
see paper copy.

OVD-parent