Final
Work Plan

OU 1 Remedial Investigation Addendum/Feasibility Study

Former Schilling Air Force Base
Salina, Kansas

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Prepared by

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List of Acronyms and Abbreviations

1996 SI	*Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas,* USACE, 1996
1998 SI	*Site Investigation at the Former Schilling Air Force Base, Salina, Kansas,* USACE, 1998
1999 BLRA	*Baseline Risk Assessment, Addendum to the Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas,* USACE, 1999
1999 RI	*Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas,* USACE, 1999
2001 ESI	*Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922,* USEPA, 2001
2005 RI	*Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas,* USACE, 2005
APP	*Accident Prevention Plan, OU 1 Remedial Investigation/Feasibility Study Addendum, Former Schilling Air Force Base, Salina, Kansas,* USACE 2006
AML	Analytical Management Laboratories, Inc.
AOI	area of interest
ARAR	applicable or relevant and appropriate requirements
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
AWQC	Ambient Water Quality Criteria
bgs	below ground surface
BLRA	Baseline Risk Assessment
BMcD	Burns & McDonnell Engineering Company, Inc.
BTEX	benzene, toluene, ethylbenzene, and xylene
CENWK	United States Army Corps of Engineers– Kansas City District
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
cis-1,2-DCE	cis-1,2-dichloroethene
cm/s	centimeters per second
COC	chain of custody
COPC	chemical of potential concern
COPEC	chemical of potential ecological concern
CR	cancer risk screening concentration
1,2-DCA	1,2-dichloroethane
1,1-DCE	1,1-dichloroethene
1,2-DCE	1,2-dichloroethene
4,4'-DDD	dichlorodiphenyldichloroethane
DAF20	Dilution Attenuation Factor set 20
DCE	dichloroethene
DEET	diethyl toluamide
DNAPL	dense non-aqueous phase liquids
DQCR	Daily Quality Control Report
DQI	data quality indicators
DQO	data quality objective
EPC	exposure point concentrations
EPS	Environmental Priority Service, Inc.

List of Acronyms and Abbreviations

ESA	Environmental Site Assessment
F°	degrees Fahrenheit
FFS	*Groundwater Interim Action Focused Feasibility Study*, USACE 2006
FS	Feasibility Study
FSM	Field Site Manager
FSP	*Sampling and Analysis Plan, Volume I – Field Sampling Plan, OU 1 Remedial Investigation/Feasibility Study Addendum, Former Schilling Air Force Base, Salina, Kansas*, USACE 2006
GC	gas chromatograph
GeoCore	GeoCore Services, Inc.
gpm	gallons per minute
GRA	general response action
H_0	null hypothesis
H_a	alternative hypothesis
I-135	Interstate 135
IDW	investigative derived waste
IRG	Interim Remedial Guideline
KAL	Kansas Action Level
KAR	Kansas Administrative Regulations
KDHE	Kansas Department of Health and Environment
LOX Plant	Liquid Oxygen Plant
MCL	maximum contaminant level
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
ug/m^3	micrograms per cubic meter
mg/kg	milligrams per kilogram
MIP	membrane interface probe
MP	Malcolm Pirnie, Inc.
MS	mass spectrometer
msl	mean sea level
NCP	National Contingency Plan
ng/kg	nanograms per kilogram
OU	Operational Unit
PAH	polycyclic aromatic hydrocarbons
PCB	polychlorinated biphenyls
PCE	tetrachloroethene
pH	potential of hydrogen
PRG	preliminary remedial goal
QA	quality assurance
QAPP	*Sampling and Analysis Plan, Volume II – Quality Assurance Project Plan, OU 1 Remedial Investigation/Feasibility Study Addendum, Former Schilling Air Force Base, Salina, Kansas*, USACE 2006
QC	quality control

List of Acronyms and Abbreviations

RAA	remedial action alternatives
RAGs	*Risk Assessment Guidance for Superfund*
RAO	remedial action objectives
RBC	risk-based concentration
RfD	reference dose screening concentration
RI	Remedial Investigation
ROD	Record of Decision
RSK	Risk-Based Standards for Kansas
Rust	Rust Environmental & Infrastructure
SAA	Salina Airport Authority
SAFB	Schilling Air Force Base
SARA	Superfund Amendments and Reauthorization Act
SCDM	Superfund Chemical Data Matrix
SDWA	Safe Drinking Water Act
SHSS	Site Health and Safety Supervisor
SI	Site Investigation
SMA	Salina Municipal Airport
SSL	soil screening levels
START	Superfund Technical Assessment and Response Team
SVOC	semivolatile organic compound
TAL	target analyte list
TCE	trichloroethene
TEPH	total extractable petroleum hydrocarbons
TOX	total organic halogen
TPH	total petroleum hydrocarbons
trans-1,2-DCE	trans-1,2-dichloroethene
TRPH	total recoverable petroleum hydrocarbons
TVPH	total volatile petroleum hydrocarbons
Type I Error	false rejection error
Type II Error	false acceptance error
UCL	upper confidence limit
USACE	United States Army Corp of Engineers
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
USD	Unified School District
UST	underground storage tank
VOC	volatile organic compound

1.0 INTRODUCTION

The United States Army Corps of Engineers– Kansas City District (CENWK) will conduct a Remedial Investigation (RI) Addendum/Feasibility Study (FS) at Operable Unit 1 (OU 1) at the former Schilling Air Force Base (SAFB) in Salina, Kansas (Figures 1-1 and 1-2). This RI Addendum/FS Work Plan has been prepared for the CENWK for the work to be conducted at OU 1. The Work Plan was written to satisfy the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986. The work will be conducted under Contract Number W912DQ-06-D-006 by Malcolm Pirnie, Inc. (MP) and Burns & McDonnell Engineering Co, Inc. (BMcD).

1.1 OBJECTIVES

Multiple investigations have been conducted at OU 1 at the SAFB. The major investigations include:

- United States Army Corps of Engineers (USACE), October 1996, *Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas*, prepared by Rust Environment & Infrastructure (Rust) (1996 SI)

- USACE, Kansas City District, December 1998, *Site Investigation at the Former Schilling Air Force Base, Salina, Kansas* (1998 SI)

- USACE, February 1999, *Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas*, prepared by Burns & McDonnell (1999 RI)

- USACE, February 1999, *Baseline Risk Assessment, Addendum to the Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas*, prepared by Burns & McDonnell (1999 BLRA)

- United States Environmental Protection Agency (USEPA), Region 7 Superfund Division, March 2001, *Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922*, prepared by Ecology and Environment (2001 ESI)

- USACE, September 2005, *Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas* (2005 RI)

Other investigations that have been conducted within the OU 1 area include Phase I and Phase II investigations and indoor air quality investigations. Areas in OU 1 investigated under previous investigations and areas to be investigated under this RI Addendum/FS are shown on Figure 1-3.

The objectives of this RI Addendum/FS Work Plan are to describe current site conditions, summarize existing data, and outline future investigation and planning activities necessary to assess potential threats to human health and the environment associated with OU 1 at the SAFB.

This RI Addendum is being conducted to further investigate areas not fully defined in the 2005 RI and to investigate two areas not previously investigated under the 2005 RI. Objectives of the RI Addendum are:

- Quantify the nature and extent of on-site contamination;
- Determine the nature and extent of any off-site contamination;
- Characterize the physical and chemical nature of the site, including fate and transport mechanisms; and
- Obtain information necessary to evaluate remedial alternatives in the FS.

The objective of the Baseline Risk Assessment is:

- Determine potential ecological and human health risk.

The objective of the FS is:

- Develop and evaluate remediation alternatives.

The RI Addendum/FS will be performed in accordance with CERCLA and the National Contingency Plan (NCP), and will follow USEPA *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* (USEPA, 1988), the *Risk Assessment Guidance for Superfund (RAGS) Volume I: Human Health Evaluation Manual (Parts A, D, and E)* (USEPA, 1989a, 2001, and 2004), as well as all other applicable regulations and requirements.

1.2 ORGANIZATION OF THE WORK PLAN

The RI Addendum/FS Work Plan develops the technical approach, rationale, and investigative methods to achieve the RI Addendum, BLRA, and FS objectives. The sections of the RI Addendum/FS Work Plan are as follows:

- Section 2.0 – OU 1 Background and Physical Setting
  This section summarizes current knowledge of the OU 1 physical characteristics, including location, general description, surface features, climatology, surface water hydrology, hydrogeology, geology

and soils, demography, and ecology. A site history and a summary of previous investigations are also included in this section.

- Section 3.0 – Initial Evaluation
  This section presents an initial evaluation of OU 1. The current conceptual model for OU 1 is presented, potentially applicable or relevant and appropriate requirements (ARARs) are presented, and preliminary remedial action objectives (RAOs) and potential remedial alternatives are identified.

- Section 4.0 – Work Plan Rationale
  This section provides a bridge from the initial evaluation to the detailed scope of work by presenting the approach to be used to determine and fill data needs. This includes a statement of specific project objectives, tabulation of data needs, and development of the Work Plan approach.

- Section 5.0 – RI Addendum/FS Scope of Work
  This section presents the overall scope of work for the RI Addendum/FS. The field investigation activities to be conducted are summarized, and the sample analysis and validation requirements, data evaluation process, risk assessment process, and RI Addendum and FS report outlines are presented.

- Section 6.0 – Data Evaluation and Sample Rationale
  This section details each area to be investigated in this RI Addendum/FS Work Plan. The location and setting, including geology, hydrogeology, and hydrology; history; current use; and previous sampling results of each area are presented. Finally, the rationale and approach for sampling in each area is detailed including sample locations, types and analytes.

- Section 7.0 – Schedule
  This section provides a detailed schedule of the activities discussed within this RI Addendum/FS Work Plan.

- Section 8.0 – Project Management
  The approach to planning, field investigation, and reporting is provided in this section. The responsibilities of key project personnel are also detailed in this section.

- Section 9.0 – References
  The references used to prepare this RI Addendum/FS Work Plan are provided in this section.

* * * * *

2.0 OU 1 BACKGROUND AND PHYSICAL SETTING

2.1 LOCATION AND DESCRIPTION

The former SAFB is located in central Kansas, Saline County, just southwest of the main portion of the city of Salina (Figure 1-1). Salina is located at 38°49′27″N, 97°36′26″W. At its maximum extent, the former SAFB occupied all or parts of Sections 22, 27, 32, 33, 34 and 35 in Township 14 South, Range 3 West, and Sections 2, 3 and 4 in Township 15 South, Range 3 West and occupied over 3000 acres (Figure 1-2). In 1966, the main portion of the property was acquired by the city of Salina, the State Educational Authority, the State Board for Vocational education, and Unified School District No. 305. The property was subsequently incorporated within the city of Salina's legal boundary.

OU 1 occupies approximately 600 acres and is the northeast portion of the former SAFB (Figure 1-2). It includes the area from north of General Jim Road to an east/west line in alignment with Taxiway A(1) and Cloud Street and Taxiway A(2) eastward.

2.2 PHYSICAL SETTING

2.2.1 Features

Physiographically, the former SAFB site is located near the western boundary of the Osage Plains section of the Central Lowland Province. This boundary is gradational with the Plains Border section of the Great Plains Province to the west and the site exhibits many of the same characteristics of that province. The combination of westward dipping bedrock and an eastward-sloping erosional plain results in the exposure of successively older strata from west to east. The Osage Plains Province is characterized by east-facing escarpments of Permian limestone that trend roughly north-south. Between the escarpments lie gently rolling plains underlain by soft Permian shale. To the west, the easternmost section of the Plains border section, known as the Smoky Hill Upland, is characterized by less regularly spaced eastward-facing escarpments composed of Cretaceous sandstone. The Smoky Hill Buttes, which lie on the west side of the Smoky Hill Valley in south-central Saline County, are examples of these escarpments.

Saline County is located within the Salina Basin, a synclinal feature bordered on the east by the Nemaha Anticline, on the west by the Cambridge Arch and Central Kansas Uplift, and on the south by an indistinct structural saddle. The basin is a post-Mississippian syncline that trends northwest-southeast and plunges to the northwest into the deeper part of the basin in north-central Kansas (Merriam, 1957). Bedrock strata in the central Kansas region dip gently to the west. Major streams, such as the Smoky Hill River, have cut below the erosional bedrock surface and are now flowing in wide, flat-bottomed alluvial valleys (Latta, 1949).

Maximum topographic relief occurs in the western part of the County where ground surface elevations reach over 1,600 feet above mean sea level (msl). The lowest elevations are along the Smoky Hill River, at approximately 1,150 feet above msl.

Surface elevations in OU 1 range from just below 1,230 feet above msl where Dry Creek exits OU 1 to just under 1,260 feet above msl in the southwest portion of OU 1. The land surface slopes gently from south to north in OU 1 at a grade generally less than 1 percent. Site topography is depicted on Figure 2-1.

2.2.2 Geology

2.2.2.1 Regional Geology

The regional geology of Saline County consists of westward-dipping strata which have been leveled by an erosional plain that slopes gently to the east (Figure 2-2). The Smoky Hill River and its tributaries have cut below this plain and are flowing in wide, nearly flat-bottomed valleys underlain by alluvial deposits. The uplands bordering the valley of the Smoky Hill River, to the east and west, are underlain by Permian and Cretaceous bedrock formations.

In Saline County, approximately 4,000 feet of sedimentary rock and sediment overlies Precambrian basement rock. Sedimentary rock consists of units from the Cambrian through the Cretaceous periods. The majority of the sedimentary rock is composed of alternating limestone, shale, sandstone, and dolomite that were deposited from the Cambrian to the Permian. Above these older Paleozoic rocks lies the Wellington Formation of Permian Age. The Wellington Formation constitutes uppermost bedrock in much of eastern Saline County. In some areas, the Kiowa Formation of Cretaceous age unconformably overlies the Wellington Formation. Unconsolidated Quaternary deposits lay unconformably on Permian and Cretaceous bedrock. These deposits include slope deposits, terrace deposits, dune sand, and alluvium.

The Permian Wellington Formation forms the bluffs and upland surface on both sides of the Smoky Hill Valley in Saline County, and is the first bedrock unit encountered at the SAFB. The Wellington Formation has a total thickness of approximately 700 feet and is divided into three distinct members (Latta, 1949). The lower Wellington Member consists of gray shale and some dolomite alternating with numerous thin anhydrite and gypsum beds. In Saline County, this member averages about 200 feet thick. The middle unit of the Wellington Formation is the Hutchinson Salt Member. This member averages as much as 300 feet thick and consists of salt interbedded with minor amounts of shale, gypsum, and anhydrite. The upper Wellington Member consists primarily of gray shale with minor amounts of gypsum, anhydrite, dolomite, and siltstone. This upper member averages 250 feet thick.

Within the Wellington Formation, there are two zones of dissolution: the "salt-dissolution" zone and the "gypsum-dissolution" zone. The salt-dissolution zone occurs within the Hutchinson Salt Member and has caused water-quality issues due to the dissolution of the salt along its up-dip limit from Salina to nearly the Oklahoma border. The circulation of freshwater from the overlying alluvial aquifer has dissolved and removed the halite, gypsum, and anhydrite from the surrounding rocks. This continuing dissolution process has been accompanied by the formation of cavities and the associated subsidence, slumping, collapse, and fracturing of overlying shale. The dissolution process had created a permeable zone along the eastern margin of the Hutchinson Salt Member for lateral and vertical movement of groundwater. The salt-dissolution zone has been named the Wellington Aquifer, but cannot be used for drinking water due to the high salinity. The zone is used for oil-field brine disposal. The Wellington Aquifer probably does not occur under the upland areas adjacent to the river valleys. The gypsum-dissolution zone extends from northeast of Salina to Solomon and averages 10 feet in thickness. The gypsum-dissolution zone formed in much the same way as the salt-dissolution zone (United States Geological Survey[USGS], 1986).

The Cretaceous Kiowa Shale overlies the Wellington Formation in the uplands bordering part of the Smoky Hill and Saline River Valleys in Saline County, but is not found at the SAFB. The Kiowa Shale has a maximum thickness of approximately 200 feet and consists of light gray to black, illitic shale with lenses of dark brown, iron-rich sandstones. Sandstone beds of the unit cap the high hills bordering the Smoky Hill and Saline River Valleys. Selenite is common in the shale and locally there are thin beds of limestone composed largely of fossil oyster shells (Latta, 1949 and Zeller, 1968).

Alluvium of the Pleistocene and Recent age occurs in the Smoky Hill River Valley and its tributary valleys. The alluvium is the most important source of water in the Smoky Hill River Valley area and furnishes water to stock, domestic, irrigation, industrial, and public-supply wells. The alluvium consists of stream-laid deposits of clay silt, sand, and gravel, with the shallow interval being generally finer grained than the deeper materials. The thickness of alluvium in the Smoky Hill River Valley ranges from less than 30 feet to more than 90 feet. The alluvium south of Salina consists mostly of fine material deposited by Dry Creek. The alluvium in this area may be composed entirely of clay, silt, and sand (Latta, 1949).

2.2.2.2 SAFB Geology

In the vicinity of the former SAFB site, unconsolidated Quaternary deposits overlies bedrock consisting of the upper Wellington Member of the Wellington Formation. Depth to bedrock is variable, but generally increases from west to east. The result is two principal geologic regimes at the former SAFB site: the bedrock uplands, and the alluvial valley floor and terraces of the Smoky Hill River. The uplands

are primarily located in the southern and western portions of the SAFB including some of the western inter-runway areas. Typically these areas are topographically higher with shallow bedrock present at 1 to 15 feet below ground surface (bgs). Shallow bedrock in the east central section of the SAFB indicates this area may also have been uplands prior to rework during base construction. The alluvial valley floor and terraces are primarily located in the northern and eastern portions of the former SAFB. These areas are topographically lower and have little relief with bedrock usually present at depths greater than 20 feet. In the northeast portion of the SAFB, the depth to bedrock increases to approximately 50 feet bgs. The boundary between the two regimes is gradational and can not be discerned from surface features. Bedrock at OU 1 ranges from more that 1,250 feet above msl in the southwest portion of OU 1 to less that 1,160 feet above msl in the northeast portion of OU 1. Top of bedrock, in general, slopes to the northeast but is locally variable in slope and relief. Cross sections of OU 1 from the 2005 RI can be found in Appendix A.

2.2.2.3 SAFB Soil

At least eight different soil types exist on the former SAFB. These soil types can be divided into two main categories based on the parent material. Along the eastern and northern areas of the site are soils derived from alluvial parent material that belong to the Detroit-Hord-Sutphen association. These soils are deep and nearly level, moderately well- to well-drained with a silty or clayey subsoil. They form on stream terraces or floodplains. Soils within the remainder of the SAFB, to the west and south, belong to the Crete-Longford Association and are generally derived from upland parent material. These soils are deep, nearly level to moderately sloping, moderately well- to well-drained with a silty or clayey subsoil. Since the natural topography and drainage of the former SAFB site was substantially altered during construction of the facility, soils in many areas of the site may not exhibit the natural characteristics of these associations.

The soils for OU 1 are shown on Figure 2-3. The descriptions of the soil associations are summarized in the following paragraphs (Palmer, 1992). These descriptions are for the soil column from ground surface to 5 feet bgs.

- The **Crete series silt loam soils** are deep, nearly level, moderately well-drained soils that developed in the uplands on the side slopes and flat areas. Permeability is slow in the subsoil and moderate or moderately slow in the substratum with a range of 4.2×10^{-5} to 1.4×10^{-3} centimeters per second (cm/s). The surface runoff for these soils is medium. The shrink-swell potential is high. Soil potential of hydrogen (pH) ranges from 5.6 to 8.4.

- The **Orthents clayey soils** are mapped in areas where material has been excavated and used as fill. They are on uplands and bottom land. These soils are often flooded during part of the growing season. Soil permeability ranges from 4.2 x 10^{-4} to 1.4 x 10^{-4} cm/s. Soil pH ranges from 5.6 to 7.8, and the soil shrink-swell potential is high.

- The **Longford series silt loam soils** are deep, gently to moderately sloping, well-drained soils that formed on broad slopes and ridges in the uplands. Permeability is slow, ranging from 4.2 x 10^{-5} to 1.4 x 10^{-4} cm/s, with medium surface runoff. Soil pH ranges from 5.6 to 8.4 and the shrink-swell potential for the soils is high.

- The **New Cambrian silty clay** is a deep, nearly level, moderately well-drained soil found on stream terraces. Permeability and runoff are slow. Soil permeability ranges from 4.2 x 10^{-5} to 1.4 x 10^{-4} cm/s. The soil is sticky when wet and very hard when dry. The shrink-swell potential is high and the soil pH ranges from 6.6 to 8.4.

- The **Bavaria-Detroit silt loam** is a silty clay loam comprised of moderately well-drained soils that formed on stream terraces. Permeability and surface runoff are slow, with the permeability ranging from 4.2 x 10^{-5} to 1.4 x 10^{-3} cm/s. The shrink-swell potential of the topsoil is high and the pH ranges from 6.1 to 9.0.

- The **Roxbury silt loam** is a calcareous silt loam comprised of deep, nearly level, well-drained soils that formed on terraces along larger streams. Permeability is moderate and surface runoff is slow with permeability ranging from 4.2 x 10^{-3} to 1.4 x 10^{-2} cm/s. The shrink-swell potential is low in the topsoil and moderate in the subsoil. Soil pH ranges from 7.4 to 8.4.

- The **Hord silt loam** is a silt loam comprised of deep, nearly level, well-drained soils that formed on stream terraces. Permeability is moderate and surface runoff is slow with permeability ranging from 4.2 x 10^{-3} to 1.4 x 10^{-2} cm/s. The shrink-swell potential of is low, and pH ranges from 5.6 to 8.4 and increases with depth.

- The **McCook silt loam** is a calcareous silt loam comprised of deep, nearly level, well-drained soils that formed on stream terraces. Permeability is moderate and surface runoff is slow with permeability ranging from 4.2 x 10^{-3} to 1.4 x 10^{-2} cm/s. The shrink-swell potential of is low and pH ranges from 7.4 to 8.4.

- The **Sutphen silty clay** is a dark grey silty clay overlying a calcareous silty clay and is comprised of deep, nearly level, moderately well-drained soil, generally found in slight depressions on the higher parts of flood plains. Permeability is very slow and surface runoff is very slow with permeability ranging from 1.4×10^{-4} to less than 4.2×10^{-5} cm/s. The shrink-swell potential of is high and pH ranges from 6.1 to 8.4.

- The **Cozad silt loam** is a silt loam over a calcareous sandy loam and is comprised of deep, nearly level, well drained soil that is found on terraces. Permeability is very slow and surface runoff is very slow with permeability ranging from 4.2×10^{-5} to 1.4×10^{-4} cm/s. The shrink-swell potential of is low and pH ranges from 6.1 to 8.4.

Surface soils at OU 1 have been extensively modified by construction and drainage activities. The surface soil in some areas has been stripped of the original topsoil and up to five feet of subsoil, while in other areas the original soil has been buried by up to five feet of fill. The majority of the fill is believed to be soil material removed from other areas within SAFB, but some imported fill may be present. Since upper horizons of both residual and alluvial soils are comprised predominantly of silt and clay-sized particles, it is difficult to distinguish one from the other. The presence of coarse-grained material at the surface is almost certainly indicative of imported fill.

Subsurface soils at OU 1 consist primarily of residual soils, weathered bedrock, and alluvial soils. Residual soils are typically thin and rarely exceed sixteen feet in thickness at OU 1. These materials are silt-clay mixtures, and found only in the southern portion of OU 1. There is typically little variation in the soil column from the base of the surface soil to the top of bedrock.

Alluvium is located in the eastern and northern areas of the SAFB and thickens toward the Smoky Hill River. Alluvium consists of variable thicknesses of clay, silt, sand, and gravel. Alluvium thickness in OU 1 ranges from zero in the southwest portion to more than 70 feet in the north and northeast portions. An anomalous area of thick alluvium near Building 837/former Building 847 area is either a paleo-channel or a collapse feature due to salt dissolution in the Hutchison Member of the Wellington Formation.

2.2.3 Hydrogeology

2.2.3.1 Regional Hydrogeology

Regionally, three of the previously described stratigraphic units are capable of serving as aquifers. These include the more permeable strata of the Wellington and Kiowa Formations, and the unconsolidated Quaternary deposits.

Fracturing, slumping, and collapsing of the upper Wellington Member coincident with dissolution of gypsum and anhydrite in the middle and lower Wellington Formation has resulted in a unit that is capable of transmitting groundwater. This permeable unit has been named the Wellington Aquifer. The Wellington Aquifer extends both south of Salina along the Smoky Hill River Valley and north of Salina along the Saline River Valley. The well-developed dissolution of gypsum and anhydrite in the Smoky Hill River Valley has resulted in an identifiable "salt-dissolution zone" and a "gypsum-dissolution zone." Depths below land surface to the salt-dissolution are on the order of 200 feet bgs in the Salina area. Depths to the gypsum-dissolution zone in the Smoky Hill River Valley range between 60 and 200 feet bgs.

Groundwater flow is primarily northward through the salt dissolution zone with discharge through the gypsum-dissolution zone into the Smoky Hill River alluvium. This discharge results in saltwater intrusion within the alluvium and Smoky Hill River system. The occurrence of groundwater in the Wellington Aquifer is the result of leakage from the overlying unconsolidated deposits through the Upper Wellington Member. This leakage is likely through fractures and slumping created by dissolution of salt and collapse of overlying units. There is discharge of some saline water derived from dissolution of the Hutchinson Salt Member into the overlying alluvium. Major dissolved cations in these waters are calcium, magnesium, and sodium. Major anions are chloride, sulfate, and bicarbonate.

Portions of the overlying Kiowa Formation are capable of providing water in sufficient quantity to be considered an aquifer. Sandstone lenses have been tapped for livestock and domestic wells. The city of Gypsum, to the southeast of Salina, was served by wells penetrating the Kiowa Formation at one time (Latta, 1949).

The uppermost aquifer in the area consists of unconsolidated alluvial deposits found in the Smoky Hill River Valley. Groundwater occurs within the alluvial deposits at depths ranging from a few feet to approximately 40 feet bgs, with an average of approximately 25 feet bgs. Well yields vary widely and are dependent on the local transmissivity of the alluvium. Reported yields range from 50 to 1,700 gallons per minute (gpm). If coarser-grained, relatively porous alluvial materials are not present, the unconsolidated materials exhibit a very low permeability. Little groundwater is discharged from the fine-grained materials. Groundwater within the alluvium is interconnected with, and flows toward, the Smoky Hill and Saline Rivers and their major tributaries under unconfined conditions.

During an investigation conducted by the City of Salina to determine the best locations for new water wells in 1957, it was determined that the thicker areas of alluvium tended to be coarser grained at depth

and were capable of yielding the largest amounts of water. The area studied by the City of Salina was mainly to the east of Dry Creek and north of Front Street. The Permian deposits in the Salina vicinity are relatively impervious what minor amounts of water they contain is of poor quality (Wilson & Company, 1957).

2.2.3.2 SAFB Hydrogeology

The uppermost aquifer at the former SAFB site consists of the unconsolidated alluvial/residual deposits overlying shale of the Wellington Formation. The thickness of the unconsolidated aquifer varies from not present along the southern and western portion of the site to greater than 40 feet in the north and northeast portion of OU 1.

Groundwater flow beneath the eastern and northeastern portions of the site, where the alluvial deposits are located, is generally to the northeast. However, local flow directions can vary significantly due to both natural and artificial influences. Water level elevation maps from previous investigations indicate groundwater flow diverging around bedrock highs. In some areas, bedrock highs rise above the level of the water table. Also, the operation of a sump pump within the Salina Area Technical School administration building (Building 658) at the site has locally altered the direction of groundwater flow. Groundwater flow in the western portion of the former SAFB site is locally to the north-northwest. Groundwater gradients also appear to be steeper in the upland areas than in the alluvial deposits.

Figure 2-5 presents the piezometric surface for the groundwater levels collected on July 25, 26, and 27, 2006. As shown on the figure, the groundwater gradient within OU 1 is to the northeast with a small area in the southwest portion of OU 1 to the northwest. Groundwater elevations ranged from a high of 1247 feet above msl just south of OU 1 to 1215 feet above msl in the east central portion of OU 1. Groundwater gradient across OU 1 averaged 0.004 feet per foot. Depth to groundwater at OU 1 ranged from 6.5 to 19 ft bgs.

In-situ hydraulic conductivity varies significantly within short distances due primarily to the presence or absence of clayey sand lenses. Hydraulic conductivities generally tend to be higher in the northeastern and eastern portions of the SAFB where alluvial deposits are present. Bedrock highs, resulting in areas where the aquifer is absent, were found in the southern, southwestern, western, and east central portions of the SAFB during previous investigations.

2.2.4 Surface Water Hydrology

2.2.4.1 Regional Surface Water Drainage

Surface water drainage within most of Saline County is dominated by the Smoky Hill River and its tributaries, which flow north and east across the county. The northern part of the county is drained by the Saline and Solomon Rivers. Spring Creek, Mulberry Creek, and Gypsum Creek are the major tributaries in the area. Mulberry Creek heads west of Salina and joins the Saline River north of Salina. Spring Creek enters Mulberry Creek approximately four miles west of Salina. Dry Creek is an ephemeral stream which flows through Salina, and parallels the Smoky River. Dry Creek joins Mulberry Creek just north of Salina. The USGS maintains stream-flow measurement stations on the Smoky Hill River both above and below Salina (at Mentor and New Cambria).

2.2.4.2 SAFB Surface Water Drainage

The majority of the former SAFB property lies on or adjacent to the alluvial valley floodplain of the Smoky Hill River. This area was subject to seasonal flooding before the implementation of flood-control measures. With development of SAFB, many of the natural drainage features were modified or removed, and major surface drainage was diverted into constructed ditches. Local flooding is now controlled by natural drainage features coupled with a system of storm sewers and interconnecting drainage ditches in and around the former SAFB. Surface water runoff from the site is diverted east into either Dry Creek or north/northeast into Spring Creek. Small portions of the SAFB are located within the 500-year flood zones (Figure 2-4).

2.2.4.3 OU 1 Surface Water Drainage

In the OU 1 area, runoff is generally channeled to the ditches by swales that parallel the roadways. Several surface drainage ditches were constructed to direct surface water generally eastward into a primary north-south drainage ditch known as Centennial Ditch, which flows into Dry Creek (Figure 2-1). Surface water features in OU 1 include:

- **Tony's Road Ditch** is located parallel to Tony' Road and flows from west to east. It drains the northern portion of OU 1. Tony's Road Ditch is a perennial drainage that receives discharge from groundwater.

- **Scanlan Ditch** begins near the south end of Hein Avenue and extends past Magnolia Road with flow from southwest to northeast. Scanlan Ditch is a major contributor to Centennial Ditch and , drains much of the southern portion of OU 1. Scanlan Ditch typically holds water, but flow

reduces to a trickle or even ceases during periods of drought. It is possible that during times of high water levels, Scanlan Ditch may intersect groundwater.

- **Derussy Ditch** is located along the south side of Derussy Road and flows eastward into Centennial Ditch. In the western portion of Derussy Ditch, flow is present only after precipitation events; however, water is present more often in the eastern portion of the ditch. Groundwater from the sump at the Salina Area Technical School administration building (Building 658) originally drained to Derussy Ditch; however, in 1998 an air stripper was installed and the groundwater is now directed to the sanitary sewer.

- **Centennial Ditch** enters the OU 1 area from the south and flows north between the east edge of the former SAFB and the Burlington Northern railroad tracks. Centennial Ditch empties into Dry Creek near the northeast corner of the former SAFB, approximately 300 feet upstream of the point where Tony's Road Ditch empties into Dry Creek. Centennial Ditch is an ephemeral drainage with little or no flow during periods of drought.

- **Dry Creek** has undergone extensive channelization and construction of levees as flood control measures. Close to half of its watershed was diverted into Smoky Hill River several miles south of Salina to alleviate chronic flooding problems. Dry Creek is now undersized with respect to its channel, with relatively little flow except during precipitation events. Dry Creek flows northward into Mulberry Creek which flows northeastward approximately three miles to the Saline River.

2.2.5 Climatology

Saline County has typical mid-continent climate conditions, characterized by warm to hot summers, cold winters, moderate but constant winds, maximum precipitation in the warm season, and frequent changes in the weather. The average yearly precipitation for the area is 32.19 inches. Precipitation during the 1990s was typically above average and precipitation since 2000 has been below average. The average winter temperature is 33 degrees Fahrenheit (F°). The average summer temperature is 79 F°. The prevailing winds are southerly and average humidity is 62 to 67 percent (City of Salina, Kansas, 2006).

2.2.6 Demography

Salina is the county seat of Saline County and has a population of over 45,000 (United States Census Bureau, 2006). Approximately 25 percent of the population is under the age of 18 (United States Census Bureau, 2006). Salina covers more than 13,000 acres (City of Salina, Kansas, 2006). When SAFB was developed in the 1940s, the city's population (24,000) and boundaries were significantly smaller, and the facility was not physically connected to Salina.

2.2.7 Zoning

There are five principal zoned land uses within the boundaries of OU 1 on the former SAFB property: Industrial I-1 and I-2; University, U; and Agriculture, A-1 (Figure 2-6). A small commercial area (PC-5) is located at the southeast corner of Centennial and Magnolia Roads.

The Industrial Park District (I-1) is designed to permit a broad range of industrial activities within certain limitations. All uses are required to be in an enclosed structure and have approved landscape plans. Permitted uses in the I-1 district include over 100 types of light manufacturing. Conditional uses include: automobile washes; automobile repair; boat sales and service; building material yard; contractor's office and storage yard; mini-warehouse; pest control; plumbing shops; and recreation vehicle rental, sales, and service. The I-2 district is designed to permit industrial activities of a limited nature. Permitted uses include retail or commercial use and over 160 types of light industry. There are no conditional uses applied to the I-2 district.

The U district is designed to be used separately, as a district zone, or in combination with any one or more of the residential districts. The principal functions of the district are to provide flexibility to the university-oriented functions and permit the establishment of land uses ordinarily associated with a university. Permitted uses include: art galleries, libraries, and museums; colleges, universities, and theological schools; fraternal and service clubs; lodging and boardinghouses; offices, meeting rooms, and laboratories; parking lots; and elementary, intermediate, and secondary schools. Conditional uses include private or public parking lots.

The R-2 and R-3 district is designed to provide for multiple-family development while the R-1 district is designed to provide for single- family development. Although none of the R-1, R-2, or R-3 zoned areas are located within OU 1 on the former SAFB property, these zones are located along the northeast boundary of OU 1.

Agricultural district land use is designed to reflect the pattern of land uses in rural areas, primarily agriculture. Permitted uses within the A-1 district include: cemeteries; dog kennels; animal hospitals; single-family dwellings; family-care facilities; oil or gas wells; public service and utilities; recreational and social facilities; religious institutions; riding stables; and well head stations. Conditional uses within the A-1 district include: airports; campgrounds; sewage treatment plans; sand or gravel mining; greenhouses; group-care facilities including day-care centers; hospitals; libraries; power plants; recreational facilities; and sanitary landfills. Land at the former SAFB that is zoned Agricultural District

includes areas in the eastern portion of OU 1. Although day-care centers and hospitals are permitted land uses, their construction within the airport perimeter is unlikely.

A Building restriction, limiting building height to 37.5 feet, is present in areas surrounding the airport runways and taxiways. In addition runway protection zones are located at the ends of each runway. Large portions of the airport within the runway protection zones require a Saline County conditional use permit for construction or development.

2.2.8 Future Land Use and Plans

Land use is not projected to change significantly in the future. The city of Salina's Comprehensive Plan (Trkla et al., undated) projects that "most of any new development activity in the city will be located in and near the Airport Industrial Park" and has designated the area for continued and new industrial business park projects. The city has encouraged this development due to I-135 access and proximity of air cargo facilities.

The Salina Municipal Airport Master Plan Update (Bucher, Willis & Ratliff, 1997) provides a land use plan that indicates future aviation-related industry at the airport within the perimeter fencing. The airport services nearly all of Saline County, a portion of Dickinson County, and the northern part of McPherson County, Kansas. Historic trends indicate continued growth of operations at the airport. Therefore, future use of the airport and surrounding commercial/industrial properties is expected to remain the same.

2.2.9 Water Use

The city of Salina obtains its drinking water from the Smoky Hill River and 16 alluvial wells located in and around the city. The City of Salina's goal is to use 50% river water and 50% groundwater. However, actual use from each source varies depending upon the river stage, temperature, and other factors. The surface water intake is located approximately 3 miles northeast of the SAFB. Surface water from the SAFB flows from Dry Creek to Mulberry Creek to the Saline River and into the Smoky Hill River. The confluence of the Saline River with the Smoky Hill River is approximately 7 miles downstream from the Salina surface water intake. Alluvial wells range in depth from 55 to 89 feet bgs and are located to the east and north of the SAFB. The closest of the wells is approximately 2 miles from the northeast corner of the SAFB.

SAFB was originally supplied by five wells located approximately 2 ½ miles east of the SAFB. The wells are currently owned by the city of Salina and listed as "not in use" or "stand by." The Salina Municipal Airport (SMA) and surrounding areas are supplied by the Salina water distribution system. Approximately 30 privately-owned wells are located within a one-mile radius of the SAFB. The

predominant use of the wells, as classified by the State of Kansas, is domestic. Water use in the future is not expected to change significantly. The city currently supplies potable water to the industrialized areas at SAFB. The need for the installation of private potable water wells within the OU 1 boundary is not expected.

2.2.10 Ecology

The former SAFB and the surrounding area lie within the transitional zone between the tall-grass prairies of eastern Kansas and the mixed prairies of central Kansas. Prior to European settlement, the area consisted of open prairies. Due to the extensive modification of the land to accommodate base activities and later industrial activities, there are no natural mixed prairie communities remaining within SAFB. Currently, the majority of the SAFB is industrial with some minor agricultural and residential areas. Prairie wildlife species capable of adapting to developed conditions and human activity, such as coyote, raccoon, and a variety of reptiles, amphibians, and songbirds are known to occur throughout the former SAFB.

2.3 SITE HISTORY

2.3.1 SAFB History

The Smoky Hill Army Air Base was built in 1942. The name of the base was changed to the Smoky Hill Air Force Base in 1946 and to the SAFB in 1957. In 1942, the base encompassed 2,600 acres and housed 5,000 military personnel. By 1967, SAFB had expanded to 4,000 acres.

In 1942, the base served as headquarters for the newly created Army Air Corps Unit, 20th Bomber Command, and became the first operational training base for B-29 bombers. The base remained a bomber base for five years after World War II ended and was deactivated in 1949.

In 1951, the base was reopened for the Korean War. Upon reactivation, several improvements to the facility were made, including a 25-mile long jet fuel pipeline that terminated at a bulk fuel tank farm on the base. Additional improvements were made after the Strategic Air Command took over operational control of the base. These included construction of a training building, a boiler facility, a gas distribution system, and a bulk oil storage system. The base was designated a permanent Air Force installation in July 1953. B-47 bombers were operated from the facility.

In 1960, the bombardment wing was transferred to Forbes Air Force Base at Topeka. A squadron of Atlas F intercontinental ballistic missiles and Nike surface-to-air missiles was deployed to twelve sites around SAFB and attached to SAFB for support. New facilities were constructed for storage and repair of

both conventional and nuclear munitions and nuclear warhead maintenance. The SAFB was also upgraded to receive B-52 bombers and KC-135 tankers.

2.3.2 Post-SAFB History

The closure of SAFB was announced in 1964 and in 1966 the property was transferred to the Salina Airport Authority (SAA). SAA has since used much of the property in operating the SMA. The remainder of the former SAFB is currently used primarily for light-to-heavy industrial, aviation, and educational purposes. Many of these entities either lease property from SAA or have purchased their properties outright. Major landowners at the SAFB include the Kansas Board of Regents, the Salina Area Vocational Technical School, Kansas National Guard, and the Occupational Center of Central Kansas. Local industries include Tony's Pizza, Schwan's Sales Enterprises, Raytheon Aircraft Co. (known prior as Beechcraft), Flower Aviation, and Moore's Midway Aviation.

2.4 ENVIRONMENTAL INVESTIGATION HISTORY

A chronology of environmental investigations conducted at OU 1 is presented on Table 2-1. The table includes the investigation name/document, the date of the investigation, the areas investigated and the field activities conducted. More detailed information on the environmental investigation history for areas investigated is presented in Section 6.

* * * * *

3.0 EVALUATION

3.1 INTRODUCTION

The purpose of this section of the work plan is to present an evaluation of the site. This evaluation provides a foundation for the development of project objectives and indicates data requirements to be addressed during the RI/FS process. It includes the development of a revised conceptual site model, a review of potential ARARs, and the identification of preliminary RAOs and potential remedial alternatives. This evaluation takes into consideration the results of previous investigations described in Section 6.

3.2 CHEMICALS OF POTENTIAL CONCERN

The following chemicals of potential concern (COPCs) have been identified for OU 1 based upon previous investigations:

Groundwater

Volatiles
1,1,2-Trichloroethane
1,1-Dichloroethene (1,1-DCE)
1,2,4-Trimethylbenzene
1,2-Dichloropropane
1,3,5-Trimethylbenzene
Benzene
Carbon tetrachloride
Chloroform
cis-1,2-Dichloroethene (cis-1,2-DCE)
m-Xylene and p-Xylene
Tetrachloroethene (PCE)
trans-1,2-Dichloroethene (trans-1,2-DCE)
Trichloroethene (TCE)
Vinyl chloride

Semivolatiles
Naphthalene
bis(2-ethylhexyl)phthalate

Inorganics
Thallium

Soil

Volatiles
1,2,4-Trimethylbenzene
1,3,5-Trimethylbenzene
Trichloroethene (TCE)

Semivolatiles
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Dibenz(a,h)anthracene
Indeno(1,2,3-cd)pyrene
Benzo(k)fluoranthene
Chrysene
Naphthalene

Inorganics
Arsenic

Dioxins/Furans

Petroleum hydrocarbon compounds are CERCLA exempt and will not be covered in this RI Addendum/FS investigation. Additional COPCs may be added to this list based on the results of this OU 1 RI Addendum/FS.

3.3 REVISED CONCEPTUAL SITE MODEL

This conceptual site model builds on those models previously developed and the work completed to date at OU 1. Thus, it is based on the current understanding of releases at OU 1, as they may contribute to potential human health and ecological impacts in the area, and is presented to focus on those sources, environmental migration pathways, exposure areas, and potential receptors that require further evaluation. The conceptual model includes the following components:

- Potential Contaminant Sources
- Release and Transport Mechanisms
- Affected Media
- Exposure Media
- Possible Exposure Routes
- Potential Human and Ecological Receptors

These components are discussed further in the following subsections.

3.3.1 Potential Contaminant Sources and Release Mechanisms

The potential contaminant sources and release mechanisms at OU 1 are associated with historical operations at the site. As presented in further detail in Section 6, the site can be broken down into several unique areas. These areas have been, and some continue to be, investigated as potential source areas as indicated by the presence of site-related, non-petroleum, contaminants in soil. As petroleum hydrocarbons are specifically excluded from the CERCLA process, further investigation of petroleum contamination will not be conducted.

3.3.2 Release and Transport Mechanisms

The potential for contaminants to be released and migrate from an affected area or medium is dependent upon three factors:

- The physical and chemical properties of the contaminants
- The environmental processes affecting them
- Media characteristics through which the contaminants may migrate

Physical and chemical properties of each COPC include water solubility, vapor pressure, Henry's Law Constant, partitioning behavior, and transformation and degradation rates. These properties help predict possible release and transport mechanisms.

Environmental processes include physical, chemical, and biological processes occurring within or between environmental media. Soil erosion and particle transport, volatilization, wind erosion and atmospheric deposition, leaching, partitioning, groundwater advection, dispersion and diffusion, and transformations such as hydrolysis, oxidation, photolysis, and microbial degradation may all affect the distribution, persistence, and fate of chemicals.

Site-specific factors may affect migration potential and have been discussed in detail in Section 6.0 of the 2005 RI Report. Factors such as climatic conditions (e.g., rainfall, temperature, wind), hydrological conditions (depth to groundwater, groundwater flow direction and rate, presence and nature of surface water), and soil properties (type, porosity, permeability, temperature, moisture, organic content) each contribute to migration potential.

Two primary release and transport mechanisms can be identified for OU 1, leaching from soil to groundwater with subsequent lateral migration in groundwater and volatilization from soil and groundwater to air. In general, physical and chemical properties of volatile organic compounds (VOCs) allow these contaminants to both volatilize to air and migrate through soil and groundwater. Because of cation exchange and sorption onto the surface of mineral grains, metals typically have a fairly limited mobility in soil and groundwater. However, certain conditions, such as low pH, could result in increased mobility of metals. Semivolatile organic compounds (SVOCs) also have limited mobility in soil and groundwater, as they tend to sorb onto organic matter within soil.

3.3.3 Affected Media and Exposure Media

The primary medium affected by historical activities at the site is soil. Release from soil and transport to groundwater has resulted in multiple site-related, non-petroleum groundwater plumes. Therefore, groundwater is a secondary-affected medium. Due to the potential for volatilization from soil to air, both outdoors and indoors, and generation of dust outdoors, air is also a secondary-affected medium. Exposure to one or more of these affected media is possible, depending on the area and receptor.

3.3.4 Possible Exposure Routes

An exposure route is the mechanism by which receptors come into contact with chemicals. Exposure routes for human and ecological receptors typically include one or more of the following: ingestion, inhalation, and dermal contact. Potential exposure routes will be evaluated in future risk assessment work.

3.3.5 Potential Human and Ecological Receptors

Potential receptors are defined as the human or ecological populations that may be exposed to chemicals in an exposure medium through one or more exposure routes. This is described as a complete exposure pathway and must have the following essential components: site-related, non-petroleum chemical release to environment; transport to an exposure point; the presence of a receptor at the exposure point; and an exposure route. The following is a discussion of human and ecological receptors for which potentially complete exposure pathways may exist currently or in the future, in the absence of remediation. The plausibility of these receptors and others presently unidentified will be evaluated in the baseline risk assessment.

Potentially exposed human populations include those persons whose locations and activities create an opportunity for contact with impacted media. Site conditions and land and water uses influence human activities and patterns of behavior and are considered in identifying potential receptors. It should be noted that not every receptor is likely to be present in every area or contact all exposure media.

As an actively maintained area, terrestrial vegetation, invertebrates, and small mammals on OU 1 are not considered potential receptors. It is not a goal to restore or maintain areas within the terrestrial urban/industrial area as natural systems or as diverse ecological habitat. However, it is recognized that some transient receptors (birds and mammals) from outside the site boundaries may occasionally visit and access limited forage within this area. Additionally, drainage ditches show evidence of aquatic communities. The receptor pathways and risk associated with these areas will be evaluated in the BLRA.

3.4 PRELIMINARY IDENTIFICATION OF APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

The NCP provides that the lead agency will identify ARARs based upon an objective determination of whether the requirement specifically addresses a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance found at a CERCLA site [40 Code of Federal Regulations (CFR) 300.400(g)].

Applicable requirements are those cleanup standards, standards of control, and other substantive requirements, criteria, or limitation promulgated under federal environmental or state environmental or facility siting laws that specifically address a hazardous substance, pollutant, contaminant, remedial action, location, or other circumstance found at a CERCLA site. During review of a potential ARAR, it is first determined whether that ARAR is applicable. If it is not legally applicable, it may still be binding as an ARAR if it is found to be relevant and appropriate. It is important to note that if a state is authorized to

implement a program in lieu of a federal agency, state laws arising out of that program constitute the ARARs instead of the federal authorizing legislation (USEPA, 1989a and 1989b). Only state regulations that are promulgated, more stringent than federal regulations, and identified in a timely manner are potential ARARs.

The following sections identify potential ARARs to assist in the development of potential remedial alternatives and remediation goals. Under CERCLA guidance, ARARs are categorized as chemical-specific, location-specific, and/or action-specific. ARARs that are eventually applied will be dependent upon accumulated site contaminant data, specific site conditions, and the selected remedial action alternatives.

3.4.1 Potential Chemical-Specific ARARs

Chemical-specific ARARs are usually health-based or risk-based numerical values which, when applied to site conditions, result in establishment of numerical action values. These values establish the acceptable amount or concentration of a chemical in a medium or discharge stream. Potential chemical-specific ARARs are generally applied to contaminants in a specific medium, such as soil, surface waters, sediments, and/or groundwater.

The potential chemical-specific ARARs for the site include:

- Kansas Water Pollution Control [K.A.R. 28-16-1 to 28-16-154]
- National Primary Drinking Water Regulations and Implementation [40 CFR 141 and 142]

3.4.2 Potential Location-Specific ARARs

Location-specific ARARs are requirements or restrictions placed on the concentrations of a hazardous substance or the conduct of activities at a site solely because they are in a specific geographic location. Federal and state location-specific ARARs include those established to protect endangered species, fish and wildlife, surface water quality, wetlands, water wells, floodplains, cultural resources, and air quality.

3.4.3 Potential Action-Specific ARARs

Action-specific ARARs are technology-based or activity-based requirements or limitations triggered by proposed remedial actions for the site. Since there are often several alternative remedies being considered for a given site, very different requirements can be considered. Action-specific ARARs do not determine a remedial alternative; rather they indicate how selected remedies are achieved. Action-specific ARARs will be determined following selection of a remedial action, if required.

Potential action-specific ARARs include the following:

- National Emission Standards for Hazardous Air Pollutants [40 Code of Federal Regulations (CFR), Part 61]
- Plans for Designated Facilities and Pollutants [40 CFR, Part 62]
- Generation of Hazardous Waste [40 CFR, Part 262]
- Hazardous Waste Treatment, Storage, and Disposal [40 CFR, Part 264]
- Solid Waste Management [K.A.R. 28-29]
- Water Pollution Control [K.A.R. 28-16]

3.5 PRELIMINARY REMEDIAL ACTION OBJECTIVES

RAOs provide the basis for the development of remedial alternatives. RAOs consist of medium-specific goals for protecting human health and the environment from risks posed by a site. RAOs specify media of interest, contaminants of interest, and preliminary remediation goals (PRGs) that permit a range of treatment and containment alternatives to be developed and evaluated. Acceptable contaminant levels or ranges of levels for each exposure route can be identified. RAOs are developed on the basis of chemical-specific ARARs and site-specific risk-related factors. Preliminary RAOs are developed during scoping of the RI/FS to assist in identifying potential remedial alternatives and RI data requirements. Preliminary RAOs are based on the existing data for a site and the conceptual site model.

Preliminary RAOs are dynamic and may be refined throughout the site characterization and baseline risk assessment processes. RAOs for other media can also be developed if RI data indicates additional media of concern. Preliminary RAOs by medium include:

<u>Soil RAOs:</u>

- Prevent or minimize exposure to soils containing COPCs exceeding risk-based levels.
- Prevent leaching to groundwater that results in groundwater contaminant levels above ARARs or risk-based levels.

<u>Surface Water RAOs</u>

- Prevent or minimize exposure to surface water containing COPCs exceeding ARARs or risk-based levels.
- Control further releases of contaminants.

<u>Sediment RAOs:</u>

- Prevent or minimize exposure to sediments containing COPCs exceeding risk-based levels.

- Control further releases of contaminants.

Groundwater and Saturated Soil RAOs

- Prevent or minimize exposure to groundwater and dermal contact with groundwater containing COPCs exceeding ARARs or risk-based levels.
- Control further releases of contaminants.

Air RAOs:

- Prevent or minimize exposure to vapors containing COPCs exceeding ARARs or risk-based levels.
- Control further releases of contaminants.

PRGs are used in the FS in the evaluation of remedial alternatives. Final remedial goals are established during final remedy selection and can be changed at a later time if more appropriate standards are adopted by the regulatory community or if it is found that technical limitations preclude achieving the goals.

3.6 POTENTIAL REMEDIAL ALTERNATIVES

In planning the RI, a preliminary range of remedial action alternatives (RAAs) and associated technologies are identified. The preliminary alternative and technology identification process consists of a general classification of potential remedial actions based on the initially identified potential routes of exposure and associated receptors. Identification of potential remedies at this stage of the project is useful to aid in determining the site data needed to evaluate remedial alternatives and to allow early determination as to the need for treatability studies.

The first step in identifying potential remedial alternatives is to define general response actions (GRAs) for OU 1 at the SAFB. GRAs are actions that broadly define the nature of the response. As with RAOs, GRAs are medium-specific. Based on data currently available, a preliminary identification of GRAs for each medium has been completed.

Potential actions for soil include the following:

- Institutional Controls
- Containment
- In-Situ Treatment
- Excavation and On-Site Treatment
- Excavation and Off-Site Disposal

Potential actions for surface water include the following:

- Institutional Controls
- Containment
- In-Situ Treatment
- Extraction/Discharge
- Extraction, Ex-Situ Treatment, and Discharge

Potential actions for sediment include the following:

- Institutional controls
- Containment
- In-Situ Treatment
- Excavation and On-Site Treatment/Disposal
- Excavation and Off-Site Disposal

Potential actions for groundwater and saturated soil include the following:

- Institutional Controls
- Containment
- In-Situ Treatment
- Extraction/Discharge
- Extraction, Ex-Situ Treatment, and Discharge
- Monitored Natural Attenuation

Potential actions for air include the following:

- Institutional controls
- Extraction/Discharge
- Containment

Following completion of the RI, the complete process of development and analysis of remedial alternatives will be performed in the FS as discussed in Section 5.0 of this Work Plan.

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4.0 WORK PLAN RATIONALE

The purpose of this section is to present the Work Plan rationale for the OU 1 RI Addendum/FS at the SAFB.

4.1 DATA QUALITY OBJECTIVES (DQO)

4.1.1 Investigation Goals

The following key questions will need to be answered during the investigation to meet the project objectives.

Key Question	Alternative Actions
Has the nature and extent of on-site contamination been adequately defined by previous investigations?	If the data is sufficient, additional data collection will not be necessary. If the data is insufficient, additional data collection will be performed.
Has the nature and extent of off-site contamination been adequately defined by previous investigations?	If the data is sufficient, additional data collection will not be necessary. If the data is insufficient, additional data collection will be performed.
Have the physical characteristics of the site been adequately characterized, including fate and transport mechanisms?	If the physical/geotechnical/geochemical data collection is sufficient, additional data collection will not be necessary. If the physical/geotechnical/geochemical data collection is not sufficient, additional data collection will be necessary.
Is additional information needed for evaluation of remedial alternatives in the FS?	If additional data is needed, the type and quantity will be determined and collected. If existing information is sufficient, additional data collection will not be necessary.

4.1.2 Investigation Needs

Information Needs

An evaluation of existing data has been performed to identify potential data gaps for OU 1. Additional data needs for OU 1 include:

- The presence or absence of contamination at the Liquid Oxygen (LOX) Plant area and the Sewage Treatment Plant and Landfill area and, if present, the nature and extent of the contamination
- The presence or absence of contamination at the proposed daycare facility area and, if present, the nature and extent of the contamination

- Vertical and horizontal delineation of groundwater contamination in the northeast portion of OU 1
- Physical data including soil geotechnical and hydrogeologic characteristics of the aquifer
- Bedrock information including presence of contamination, top of bedrock elevation in selected areas, and physical bedrock characteristics
- Additional monitoring wells screened at multiple levels within the unconsolidated aquifer and to monitor the groundwater contaminant plume characteristics and movement

This additional data is needed to evaluate fate and transport of the contaminants, characterize risk to human health and the environment, evaluate the need for remediation, determine remediation methods, and design remediation systems. Details of the existing data and data gaps are presented in Section 6.0 of this RI Addendum/FS Work Plan.

Sampling and Analysis Considerations

Samples will be collected in a similar manner to previous investigations to ensure comparability of the data. In certain areas, an iterative approach will be used to direct sampling activities, and field screening for VOCs using a gas chromatograph (GC) will be performed. Samples for chemical analysis will be submitted to a certified off-site laboratory for testing using methods from USEPA's Test Methods for Evaluating Solid Waste (i.e., SW-846). In addition, geochemical testing will be performed by a laboratory that is qualified to perform American Society for Testing and Materials (ASTM) methods.

Time Frame

The project schedule is presented in Section 7.0.

Scale of Decision Making

The most appropriate scale for each media of interest was determined to be as follows:

- Surface and Subsurface Soil – Surface and subsurface soils will be considered separately, on an area-specific basis.
- Bedrock – Bedrock will be considered separately, on an area-specific basis.
- Groundwater – Groundwater will be considered on an OU-wide basis.
- Surface Water and Sediment – Surface water and sediment will be considered separately, on an area-specific basis.

Constraints on Data Collection

Sampling may be delayed by excessive periods of precipitation that would limit accessibility to certain locations at OU 1. Additionally, site access may be limited by current use or ownership of specific locations. Refusal during drilling activities due to subsurface obstacles or bedrock may limit the ability to collect samples at a given location. The presence of utilities may also limit sample locations.

4.1.3 Analytical Approach

Medium Measurement/Statistical Parameter

Different data uses will result in the potential need to examine multiple statistical parameters for a given medium and/or location. Depending on the end use of the data (i.e., source identification, determination of extent of contamination, risk assessment, etc.), any one of several statistical parameters could prove useful. For example, the use of the maximum concentration of a constituent in a given medium is useful for identification of source areas. The difference between the maximum concentration of a constituent at an area boundary versus background can be used for definition of the extent of contamination. Similarly, risk assessors often use the mean or 95 percent upper confidence limit (UCL) of the concentrations of a constituent collected over a given area for purposes of their evaluation (See Section 5.5).

Action Level

Given the multiple uses of the data, any one of several numerical values may prove useful to answer questions regarding OU 1 at the SAFB. Collection of background data in the vicinity of the SAFB has been performed in previous investigations, and this data will be useful for determining the nature and extent of SAFB-related contamination. Additionally, preliminary identification of ARARs was performed in Section 3.4, and these values may serve as action levels for various activities during the RI/FS. Additionally, comparison to industrial worker scenarios would be applicable to the human health risk assessment, and comparison to ecological screening levels would be applicable to the ecological risk assessment. In contrast, comparison to surface water quality standards will be useful for determining impacts of contamination to streams and ponds.

Use of the USEPA Region 9 PRG table for industrial soil and the Safe Drinking Water Act (SDWA) Maximum Contaminant Levels (MCLs) for water, which will be used as screening levels, were selected for evaluation of the adequacy of analytical reporting limits. USEPA Region 9 PRGs were developed using a methodology similar to USEPA's forward risk assessment methodology and are therefore appropriate for use. As the areas being investigated for this RI Addendum are industrial or institutional in nature, the industrial screening levels are the most appropriate of the screening levels. To the extent that it is technically feasible using routine analytical techniques, reporting limits should be able to meet the

screening levels identified in the USEPA Region 9 PRG table for industrial soil or the SDWA MCLs for water. Typical reporting limits for the parameters of interest are presented on Worksheet #15 of the USACE *Sampling and Analysis Plan, Volume II – Quality Assurance Project Plan, OU 1 Remedial Investigation Addendum/Feasibility Study, Former Schilling Air Force Base, Salina, Kansas,* August 2006 (QAPP). In addition, this worksheet presents a comparison of the laboratory's reporting limits versus the PRG and MCL values. It should be noted that interference and/or elevated concentrations of target and non-target constituents could necessitate sample dilution to mitigate these effects and minimize damage to laboratory instruments. This dilution could result in elevate reporting limits that are largely outside of the control of the analytical laboratory. Therefore, automatic data rejection will not occur should a parameter's reporting limit exceed the screening level. Instead, the magnitude of the exceedence will be considered in conjunction with the intended use of the data to determine its overall impact upon decision-making.

Decision Rule

Given the many objectives of the RI Addendum/FS, several decision rules are appropriate for the project, as follows:

- If a parameter is not detected in a given area, it will be excluded from further characterization at that location. Exceptions are considered when elevated reporting limits are encountered. In these situations, an evaluation of the feasibility of improving analytical performance will be made.

- If the concentrations for a parameter are above background concentrations at the periphery of a given area, the extent of contamination will require further evaluation; otherwise, further evaluation is not necessary.

- If the concentration of a parameter exceeds ARARs for a given media, further evaluation will be required; otherwise, no further evaluation is necessary.

- If the concentration of a parameter is shown to pose risk during the baseline risk assessment (see Section 5.5), further evaluation and/or remedial actions will be required; otherwise, no further evaluation is necessary.

- If a remedial alternative is not able to achieve parameter concentrations that are less than ARARs, further evaluation will be required; otherwise, no further evaluation is necessary but may be performed to assess other available options.

4.1.4 Performance or Acceptance Criteria

Performance criteria for decision rules are quantified by expressing the probability limits on potential errors in decision-making. The probability limits on decision errors specify the level of confidence desired in making conclusions regarding the data. The possibility of a decision study error exists due to the inherent variability in the sample collection and analysis process. The two main components of the "total study error" include the following:

- Sampling Design Error – Sampling design error is influenced by the sampling design, the number of samples collected, and the inherent variability of the media to be sampled. Sampling design error occurs when the collection program does not account for the variability within the media.

- Measurement Error – Measurement error is influenced by the sampling and analysis system. Errors are introduced into the system during sample collection, handling, preparation, analysis, and data reduction.

"Total Study Error" can be controlled by hypothesis testing: that is, selecting the null hypothesis (H_0) and the alternative hypothesis (H_a) and testing to reject or accept H_0. The null hypothesis is the baseline condition that is presumed to be true in the absence of strong evidence to the contrary.

The null hypothesis and alternative hypothesis appropriate to the soil media (i.e., media) of this RI Addendum/FS include:

H_0: Soils at OU 1 do contain contaminants of concern with concentrations that exceed ARARs or the BLRA indicates unacceptable risk; and will need to be remediated.

H_a: Soils at OU 1 do not contain contaminants of concern with concentrations that exceed ARARs and the BLRA does not indicate unacceptable risk; and will not need to be remediated.

Similar hypothesis tests can be constructed for the bedrock, groundwater, surface water, and sediment populations.

Two types of decision errors are common in environmental measurements. The first type of error is known as false rejection error, or Type I error. This occurs when the data lead the end user to conclude that the baseline condition (for example, the site is contaminated) is false when it is really true. The consequence of the false rejection error (Type I error) is that the contaminants of potential concern will not be remediated and will pose unacceptable risk to human health or the environment. False rejection

errors (Type I errors) occur when the analytical data are biased low and/or exhibit non-detect results in error (i.e., false negative data). The second type of error is known as false acceptance error, or Type II error. False acceptance errors occur when the data lead the end user to conclude that the baseline condition (for example, the site is contaminated) is true when it is really false. The consequences of the false acceptance errors (Type II error) will be unnecessary expenditure of resources to remediate a site that does not need remediation. False acceptance errors (Type II errors) occur when the analytical data are biased high and/or exhibit detections in error (i.e., false positive data). Because of the potential severity of the false rejection error (Type I error) consequences, the false acceptance error (Type II error) is more tolerable than the false rejection (Type I error).

To minimize the possibility of decision errors, the components of the total study error are examined. Sampling design error can be minimized by collecting a larger number of samples, or in the case of resource limitations, using screening technologies to focus sampling on areas of potential concern. Measurement errors can be minimized by replicate analysis of the same sample or by selecting cleanup, preparation, and analysis methods that are best suited to the site matrix. Measurement errors will be assessed by reviewing several data quality indicators (DQIs) including precision, accuracy, representativeness, completeness, and comparability as presented in the Worksheet #12 of the QAPP.

4.1.5 Data Collection

Specific sampling areas and analyses were selected using judgmental sampling based on knowledge of past SAFB operations and historical data to correlate with known areas of contamination or areas commonly believed to be sources of contamination. Details of the sample collection and analysis are presented in Section 6.0.

The consequences of decision errors identified need to be balanced against the cost of limiting the possibility of these errors. Minimization of Type I and Type II errors requires large numbers of samples. To minimize additional data collection efforts for this RI Addendum/FS, the existing data and past historical knowledge were used to design the judgmental sampling scenario presented in Section 6.0 of this OU 1 RI Addendum/FS Work Plan and Section 5.0 of the USACE, *Sampling and Analysis Plan, Volume I – Field Sampling Plan, OU 1 Remedial Investigation Addendum/Feasibility Study, Former Schilling Air Force Base, Salina, Kansas,* August 2006 (FSP). Errors will be further minimized by the use of field screening technologies that will allow a large number of samples to be analyzed for relatively minimal cost with confirmation analysis performed by a certified laboratory. In instances where field screening is not planned, field samples, with approximately 10 percent duplication, will be submitted to

the certified off-site laboratory. Sampling and analysis will have extensive quality assurance (QA)/quality control (QC) documentation to increase confidence in the data.

4.2 DATA NEEDS

An evaluation of existing data has been performed to identify potential data gaps for OU 1. Additional data needs for OU 1 include:

- The presence or absence of contamination at the LOX Plant area and the Sewage Treatment Plant and Landfill area and, if present, the nature and extent of the contamination
- Vertical and horizontal delineation of groundwater contamination in the northeast portion of OU 1
- Physical data including soil geotechnical and hydrogeologic characteristics of the aquifer
- Geochemical data including natural attenuation parameters
- Bedrock information including presence of contamination, top of bedrock in selected areas, and physical bedrock characteristics
- Additional monitoring wells at multiple levels within the unconsolidated aquifer to monitor the plume characteristics and movement
- The presence or absence of contamination at the proposed daycare facility area and, if present, the nature and extent of the contamination

These data are needed to evaluate fate and transport of the contaminants, characterize risk to human health and the environment, evaluate the need for remediation, determine remediation methods, and design remediation systems. Details of the existing data and data gaps are presented in Section 6.0 of this RI Addendum/FS Work Plan.

4.3 WORK PLAN APPROACH

The Work Plan approach was developed to satisfy the data needs identified in Section 4.2. The Work Plan has been written to support an iterative field approach for data collection. To ensure that the appropriate and needed amount of data is collected, this Work Plan is written to describe the primary data collected and the decision process for determining if additional data is needed for collection and where the data will be collected. The data needs for OU 1 have been determined based upon previous

investigations and historic uses. The sampling approach has been divided into areas within OU 1 and is presented in Section 6 of this Work Plan and in detail in the FSP.

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5.0 RI ADDENDUM/FS SCOPE OF WORK

This section presents the scope of work necessary to complete the RI Addendum/FS for OU 1 at the SAFB. Descriptions are provided for all RI Addendum/FS standard tasks including project plan preparation, field investigation activities, sample analysis/validation, data evaluation, risk assessment, RI Addendum Report preparation, remedial alternatives development/screening, detailed analysis of alternatives, and FS report preparation.

5.1 PROJECT PLANS

In addition to this RI Addendum/FS Work Plan, additional related plans that describe the implementation process of the RI Addendum and FS are necessary to insure successful completion. These documents will be used in conjunction with the RI Addendum/FS and are listed below:

- ***Sampling and Analysis Plan, Volume I – Field Sampling Plan, OU 1 Remedial Investigation Addendum/Feasibility Study, Former Schilling Air Force Base, Salina, Kansas,*** (USACE, 2007a) – The FSP provides requirements and procedures for field operations at OU 1 at the SAFB including those for drilling and monitoring well installation, sampling of each type of media, decontamination, documentation and sample custody, sample packaging and shipping, and investigative derived waste (IDW).

- ***Sampling and Analysis Plan, Volume II – Quality Assurance Project Plan, OU 1 Remedial Investigation Addendum/Feasibility Study, Former Schilling Air Force Base, Salina, Kansas,*** (USACE, 2007b) – The QAPP describes the planned QA procedures and controls for all tasks related to field sampling, field and laboratory analyses, quality audits, reporting, corrective action, and data validation.

- ***Accident Prevention Plan, OU 1 Remedial Investigation Addendum/Feasibility Study, Former Schilling Air Force Base, Salina, Kansas*** **(APP),** (USACE, 2007c) – The APP addresses site hazards and health and safety procedures to be followed during the field investigation, including those for employee training, personal protective equipment usage, health surveillance, air monitoring, site security and control, decontamination, standard operating procedures, and contingency planning.

In addition to the RI Addendum/FS Plans, a ***Groundwater Interim Action Focused Feasibility Study*** (FFS) (USACE, 2006a) will be finalized upon collection of additional OU 1 field data. The FFS will

evaluate remedial alternatives for preventing the further migration of the northernmost plume of OU 1 toward the City of Salina well field located northeast of OU 1.

5.2 FIELD INVESTIGATION ACTIVITIES

The purpose of the field investigation activities for the RI/FS Addendum is to provide sufficient data to determine the nature and extent of on- and off-site contamination, to assess potential risks to human health and the environment, to develop/screen remedial alternatives, and to, as needed, design remediation approaches. Section 6.0 of this Work Plan details the areas investigated under previous investigations and areas that have not previously been investigated, presents any known data gaps, and summarizes the rationale and approach that will be used to fill those data gaps. Additionally, drums and other debris located in the gully west of Landfill No. 1 (Figure 5-1) will be removed and disposed of as non-hazardous material in order to facilitate forthcoming sampling.

5.3 SAMPLE CHEMICAL ANALYSIS AND VALIDATION

Soil, groundwater, surface water, sediment, and other samples that will be collected for off-site analysis as part of the RI field effort are detailed in Sections 6.1 through 6.5 of this Work Plan. The primary analytical laboratory for the RI/FS is Analytical Management Laboratories, Inc. (AML) of Olathe, Kansas which will analyze soil and water samples for VOCs, SVOCs, metals, and natural attenuation parameters. AML is validated by the USACE and certified by the state of Kansas. The USACE Chemical Quality Assurance Branch Laboratory in Omaha, Nebraska will analyze split samples (QA samples) that will be collected to aid the USACE in evaluation of project data. Samples will be analyzed according to the methods indicated in the QAPP. Sample preparations, shipment, and QC procedures are outlined in the FSP.

Results of the QC samples will be evaluated by BMcD personnel to verify the usability of analytical data for purposes of characterizing nature and extent and assessing risk. Data evaluation/validation will follow those procedures outlined in the QAPP. The results of this evaluation will be included in the Quality Control Summary Report for the RI.

5.4 DATA EVALUATION

The physical and chemical data generated during the RI/FS Addendum are evaluated, interpreted, and summarized as the project progresses. Data evaluation will include the following:

- Summarizing data in the following categories:
  - Surface and subsurface soil chemical analytical results
  - Groundwater chemical analytical results (mobile and fixed laboratory)

- Surface water chemical analytical results
- Sediment chemical analytical results
- Solid and liquid floor drain chemical analytical results
- Physical and geotechnical results

- Compiling and analyzing data for the RI Addendum Report and the Baseline Risk Assessment (BLRA) Report

- Compiling and analyzing data for the FS Report

- Evaluating if all data needs have been met

Specifically, the following types of data, gathered during the RI Addendum/FS field investigation, will be evaluated:

- Surface and Subsurface Soil Data
  Results of chemical analyses of surface and subsurface soil samples will be used to estimate nature and extent of soil contamination and provide information concerning contaminant levels and potential exposure pathways on site.

- Surface Water and Sediment Data
  Results of chemical analyses of the surface water and sediment samples will be used to estimate the nature and extent of contamination in the sediment and surface water and to provide information concerning contaminant levels and potential exposure pathways both on site and off site.

- Groundwater Data
  Results of chemical analyses of groundwater samples will be used to determine groundwater quality, estimate the nature and extent of contamination in the groundwater, and provide information concerning contaminant levels and potential exposure pathways both on site and off site.

- Geologic Data
  Geologic logs obtained during subsurface investigations (direct push or drilling) and geotechnical testing results will be evaluated to provide additional information on subsurface conditions existing at OU 1. Field and laboratory soil and bedrock classifications will be used to evaluate soil and bedrock properties as they relate to the evaluation of remedial alternatives.

- Hydrogeologic Data
  Hydrogeologic data including water elevation measurements; in-situ hydraulic conductivity testing including slug tests and pump tests, stream gauging, and geotechnical testing will be used to characterize the hydrogeology of the site.

5.5 BASELINE RISK ASSESSMENT

5.5.1 Introduction

The potential contaminant sources associated with historical operations at the site, as presented in Section 3.3.1, can be broken down into several unique areas based on previous activities. These areas have been, and some continue to be, investigated as potential source areas as indicated by the presence of site-related, non-petroleum, contaminants in soil.

Based on the results of a previous completed 1999 BLRA, data collected since the 1999 BLRA, current information about conditions at OU 1, and comments received on OU 1 risk assessment work performed in 2005, the following areas require further human health risk assessment for potential exposure to soil:

- Jet Engine Repair Hanger and the Aircraft Wash Area No. 2,
- Aircraft Wash Area No. 1,
- Fuel Tank Maintenance Hanger,
- Former Sewage Treatment Plant and Landfill area,
- Building 655 area,
- Building 837 and former Building 847 area (including the Tullis Building),
- Former Liquid Oxygen Plant area.

The continued investigation at several of these areas to be conducted as part of this RI Addendum is discussed further in Section 6.0.

As discussed in Section 6.5, site-related, non-petroleum groundwater contamination from historical site activities exists in multiple plumes that potentially overlap and merge within the aquifer. Due to the need for further groundwater investigation at the OU 1 groundwater plumes, further risk assessment is required to identify potential exposure to groundwater using new data. The continued investigation of the groundwater plumes to be conducted as part of this RI Addendum is discussed further in Section 6.0 and the risk associated with these plumes will be calculated as part of the OU 1 BLRA, which will be submitted as a separate report.

5.5.2 Objectives

Generally, the objectives of a BLRA are to:

- Provide an analysis of the potential for adverse effects on human health and the environment, currently and in the future, in the absence of any further action to control or mitigate site-related contamination (i.e., baseline risks);
- Assist in determining the need for and scope of possible further remediation, including presentation of data that supports site risk management decisions; and
- Provide a basis for comparing a variety of remedial alternatives and determining which of them will be most protective of human health and the environment.

These objectives are accomplished by conducting a human health evaluation and a screening-level ecological risk assessment. Both the human health evaluation and screening-level ecological risk assessment, while part of the RI process, will be submitted separately from the RI Addendum Report.

5.5.3 Evaluation of OU 1 RI Addendum Investigation Data Requirements for the OU 1 BLRA

The OU 1 RI Addendum investigation data will be added to the data used in the risk assessment work performed in 2005 and the OU 1 BLRA will be completed addressing comments previously received on that work. Selection of COPCs and chemicals of potential ecological concern (COPECs) will be revised. Revised exposure point concentrations (EPCs) will be calculated based on the updated datasets. Toxicological criteria will be updated and risks to potentially exposed populations, currently and in the future, will be characterized.

5.6 INVESTIGATIVE DERIVED WASTE

IDW will be characterized and disposed in accordance with local, state, and federal regulations as discussed in the FSP.

5.7 REMEDIAL INVESTIGATION ADDENDUM AND BLRA REPORTS

Following completion of the RI, a RI Addendum Report and BLRA Report for OU 1 at the SAFB will be prepared presenting all pertinent data on investigation results. As indicated below, the reports will generally conform to the guidance provided by USEPA, *Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA* (USEPA, 1988) and will include the following information:

RI ADDENDUM REPORT OUTLINE

Executive Summary

1.0 Introduction
- 1.1 Purpose of Report
- 1.2 Site Background
  - 1.2.1 Site Description
  - 1.2.2 Site History
  - 1.2.3 Previous Investigations
- 1.3 Report Organization

2.0 Field Investigation and Technical Approach
- 2.1 Surface Features
- 2.2 Contaminant Source Investigations
- 2.3 Meteorological Investigations
- 2.4 Geological Investigations
- 2.5 Soil and Vadose Zone Investigations
- 2.6 Groundwater Investigations
- 2.7 Human Population Surveys
- 2.8 Ecological Investigations

3.0 Physical Characteristics
- 3.1 Surface Features
- 3.2 Meteorology
- 3.3 Surface Water Hydrology
- 3.4 Geology
- 3.5 Soils
- 3.6 Hydrogeology
- 3.7 Demography and Land Use
- 3.8 Ecology

4.0 Nature and Extent
- 4.1 Subsurface Soil
- 4.2 Surface Soil
- 4.3 Surface Water and Sediment
- 4.4 Groundwater

5.0 Contaminant Fate and Transport
- 5.1 Potential Routes of Migration
- 5.2 Contaminant Persistence
  - 5.2.1 Physical Characteristics
  - 5.2.2 Biodegradation Rates
- 5.3 Contaminant Migration

6.0 Summary and Conclusions
- 6.1 Summary
  - 6.1.1 Nature and Extent

6.1.2 Fate and Transport
6.1.3 Data Limitations
6.2 Conclusions and Recommendations for Future Work

BLRA REPORT OUTLINE

Executive Summary
1.0 Introduction
1.1 Purpose of Report
2.0 Human Health Evaluation
2.1 Selection of COPCs
2.2 Toxicity Assessment
2.3 Exposure Assessment
2.4 Risk Characterization
3.0 Environmental Evaluation
3.1 Environmental Conditions Characterization
3.2 Identification of Potential Ecological Receptors and Exposure Pathways
3.3 Benchmark Screening
3.4 Risk Characterization
4.0 Summary and Conclusions

5.8 DEVELOPMENT AND SCREENING ALTERNATIVES

5.8.1 Introduction

An FS will be conducted upon completion of the RI Addendum. The first overall step in the FS process is the development of remedial alternatives. This step is comprised of the following components:

- Development of RAOs
- Development of GRAs
- Identification of remedial areas or volumes
- Identification and screening of remedial technologies and process options
- Evaluation of remedial process options
- Development of remedial alternatives

The focused feasibility study will be completed for the Interim Action to be conducted in the northeastern portion of OU 1. The remedial action selected will be only a part of the total remedial action but will be in support of the final remedial action chosen.

These components of the FS are described in the following paragraphs.

5.8.1.1 Development of Remedial Action Objectives

Preliminary RAOs identified in Section 3.5 will be reviewed and updated based on the RI data. The refined RAOs will provide the basis for development of remedial alternatives.

5.8.1.2 Development of General Response Action

GRAs are broad categories of remedial options that are identified to satisfactorily address the RAOs. GRAs identified in Section 3.6 will be refined as appropriate based on the RI data.

5.8.1.3 Identification of Areas or Volumes of Contaminated Media

RI analytical results will be compared with RAOs to define areas or volumes of media to be evaluated in the FS. Remedial alternatives will be developed to address those areas or volumes where contaminant levels exceed PRGs.

5.8.1.4 Identification and Screening of Technologies and Process Options

Technologies and process options identified in Section 3.6 will be reevaluated based on RI data and further technological developments. A refined list of technologies will be screened based on available information to eliminate technologies that are not technically implementable at OU 1 at the SAFB.

5.8.1.5 Evaluation of Process Options

Following initial technology screening, the remaining potentially applicable technologies and process options will be further evaluated to determine which are potentially feasible for implementation at OU 1 at the SAFB. This evaluation considers the relative effectiveness, implementability, and cost of each process for achieving remedial goals. This evaluation further eliminates the process options under consideration to simplify subsequent development and evaluation of alternatives.

5.8.1.6 Development of Alternatives

Remedial alternatives will be developed to meet established RAOs of the site remedy. Alternatives will include a combination of retained technologies and process options to address site contamination.

In developing alternatives, consideration will be given to the following, as indicated by the NCP (40 CFR Part 300.430(e)):

- Inclusion of a no-action alternative.
- Development of a focused range of alternatives that achieve site-specific remediation levels within different time periods using one or more different technologies.

- Consideration of innovative treatment technologies.

- Inclusion of alternatives that provide protection of human health and the environment primarily by preventing or controlling exposure to hazardous substances, pollutants, or contaminants. Controls include both engineering and institutional controls.

- Inclusion of alternatives that provide, as their principal element, the reduction of toxicity, mobility, or volume of hazardous substances, pollutants, or contaminants by treatment.

Descriptions of each remedial alternative will include the rationale and strategy for selection of technology components in each alternative and the role of each within the remedial alternative. For cost analysis, assumptions will be made regarding preliminary locations and capacities of selected remedial processes. Actual locations and capacities will be determined during the remedial design phase should the alternative be selected as the final remedy.

5.8.2 Screening of Alternatives

Following alternative development, an initial screening of alternatives will be performed, depending upon the complexity of the site. USEPA (USEPA, 1988) has indicated that a screening step is often unnecessary for groundwater. If, after completion of the RI Addendum, it appears that screening is appropriate for this site, the following criteria will be used to narrow the range of remedial alternatives:

- Effectiveness
- Implementability
- Cost

5.9 ANALYSIS OF ALTERNATIVES

The detailed analysis of remedial alternatives consists of two parts: an analysis of each alternative and a comparative analysis of all alternatives. According to the NCP (40 CFR 300.430 (e)(9)(iii)), remedial alternatives are evaluated according to the following nine criteria:

- Protection of human health and the environment
- Compliance with ARARs
- Long-term effectiveness and permanence
- Reduction of toxicity, mobility, or volume
- Short-term effectiveness
- Implementability
- Cost

- State (or support agency) acceptance
- Community acceptance

The first two criteria (protection of human health and the environment and compliance with ARARs) are considered threshold criteria; they must be met (unless a specific ARAR is waived) for the alternative to be eligible for selection. The next five criteria (long-term effectiveness and permanence; reduction of toxicity, mobility, or volume; short-term effectiveness; implementability; and cost) are considered balancing criteria. These criteria are the primary criteria upon which the detailed analysis will be based. The final two criteria (state or support agency acceptance and community acceptance) are modifying criteria that are evaluated during preparation of the Record of Decision (ROD), following comments on the RI Addendum/FS and proposed plan. Consequently, these last two criteria will not be completed during the FS.

Individual analyses will include an assessment of each alternative against each of the seven threshold and balancing criteria. Once alternatives have been described and individually assessed, a comparative analysis is conducted to consider advantages and disadvantages of alternatives so that the remedy that offers the most favorable balance among the criteria can be selected.

5.10 FEASIBILITY STUDY REPORT

Following completion of the FS, a comprehensive FS Report for the site will be prepared to document the development and analysis of remedial alternatives. As indicated below, the format of the FS Report will generally conform to the USEPA guidance (USEPA, 1988) and will include the following information:

FS REPORT OUTLINE

Executive Summary
1.0 Introduction
  1.1 Purpose and Organization of Report
  1.2 Background Information
    1.2.1 Site Description
    1.2.2 Site History
    1.2.3 Nature and Extent of Contamination
    1.2.4 Contaminant Fate and Transport
    1.2.5 Baseline Risk Assessment
2.0 Identification and Screening of Technologies
  2.1 Applicable or Relevant and Appropriate Requirements
  2.2 Remedial Action Objectives
  2.3 General Response Actions
  2.4 Identification and Screening of Technology Types and Process Options

2.4.1 Identification and Screening of Technologies
2.4.2 Evaluation of Technologies and Selection of Representative Technologies
3.0 Development and Screening of Remedial Alternatives
3.1 Development of Alternatives
3.2 Description of Remedial Alternatives
3.3 Screening of Alternatives (as necessary)
4.0 Detailed Analysis of Alternatives
4.1 Introduction
4.2 Individual Analysis of Alternatives
4.3 Comparative Analysis

The FS Report will provide the basis for remedy selection by the lead agency.

5.11 TREATABILITY STUDY

Technologies that may be suitable for OU 1 at SAFB will be identified as early as possible to determine whether there is a need to conduct treatability studies to better estimate costs and performance capabilities. If it is determined necessary that a bench test or a pilot study be conducted, USACE will submit a treatability study work plan identifying the types and goals of the study. The purpose of the treatability study will be to determine the suitability of remedial technologies to site conditions and problems.

* * * * *

6.0 DATA EVALUATION AND SAMPLE RATIONALE

This section of the OU 1 RI Addendum/FS Work Plan presents the evaluation of the existing site data and the rationale for additional sampling needed to complete the RI/FS. The evaluation of the data and sampling rationale is presented on an area basis. The locations of the areas within OU 1 are shown on Figure 1-3. All data related to groundwater from previous investigations, hydrogeology data, evaluation of the existing groundwater data, and rationale for the proposed groundwater investigation are present in Section 6.5 Groundwater. OU 1 areas that have been identified as requiring additional investigation are discussed in Sections 6.1 through 6.5. The OU 1 areas that have been identified as being adequately characterized are discussed in Sections 6.6 through 6.17. For each area, investigation results from the 1998 SI, the 1999 RI, the 2001 ESI, and the 2005 RI are summarized on tables and the corresponding sample locations are shown on figures. Figures showing exceedances for this data are presented in the 2005 RI.

6.1 JET ENGINE REPAIR HANGAR AND AIRCRAFT WASH AREA NO. 2

6.1.1 Location and Setting

The Jet Engine Repair Hangar and the Aircraft Wash Area No. 2 are located in the southwest portion of OU 1 (Figure 1-3). This area consists of the Jet Engine Repair Hangar (Building 606) and the Aircraft Wash Area No. 2 which is located between Building 606 and 626 (Figure 6-1). The Jet Engine Repair Hangar and the Aircraft Wash Area No. 2 are located east of the north-south runway and Taxiway A2, south of Aircraft Wash Area No. 1, and west of Low Avenue. The area around the hangar is relatively level, mainly covered with asphalt with some small grassed areas, and fenced along the south portion. The Aircraft Wash Area No. 2 is relatively level and paved with asphalt. Surface water drains to storm sewer inlets that drain into Scanlan Ditch.

The overburden at the Jet Engine Repair Hangar and the Aircraft Wash Area No. 2 consists of topsoil, fill material, alluvium, and residuum. The topsoil was logged as clay with silt and clay with trace amounts of fine sand. Sand and clay fills were logged in the upper portions of the soil. Alluvium and residuum were described as clays with varying amounts of silt, fine sand, and gravel. The combined thickness of the overburden above bedrock at this area ranges from approximately 10 to 19 feet. Bedrock in this area was a weak, very weathered to fresh, greenish-gray shale with laminations and iron nodules and of the Permian Wellington Formation. Top of bedrock is variable in this area but generally slopes to the north.

During July 2006, depth to groundwater as measured in monitoring wells near the Jet Engine Repair Hangar and the Aircraft Wash Area No. 2 ranged from 9 to 11 feet bgs. The groundwater gradient was to the north northeast (Figure 2-5).

6.1.2 Previous Sampling Results

For the Jet Engine Repair Hangar and the Aircraft Wash Area No. 2, Figure 6-1 shows the previous sample locations and Table 6-1 summarizes the previous sample results from the 1998 SI, 1999 RI, 2001 ESI, and 2005 RI. Previous investigations conducted at the Jet Engine Repair Hangar and the Aircraft Wash Area No. 2 include:

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998 -**

  - **Jet Engine Repair Air Hangar -** One sediment sample was collected from a storm drain in the northeast portion of the area and analyzed for SVOCs and target analyte list (TAL) metals. SVOCs and metals were detected. Lead was detected at levels greater than background but less than screening levels (EPA OSWER 9355.4-12). SVOCs were detected at levels less than screening levels (EPA Region III Risk-Based Concentration [RBC] and Kansas non-residential Interim Remedial Guideline [IRG]). Two direct-push boreholes were advanced for the collection of subsurface soil and groundwater samples. No groundwater was present during the drilling of the borings; therefore, no groundwater analyses were conducted. VOC and total petroleum hydrocarbons (TPH) analysis of two soil samples from depths of 1.0 to 5.0 feet bgs detected acetone, methylene chloride, and petroleum hydrocarbons at levels less than screening levels.

  - **Aircraft Wash Area No. 2 -** Four direct-push boreholes were advanced for the collection of subsurface soil and groundwater samples during the investigation. A sediment sample was collected at a storm sewer inlet, and analyzed for SVOCs and TAL metals. SVOCs and metals were detected. Lead was detected at levels greater than background but and screening levels (EPA OSWER 9355.4-12). SVOCs were detected at levels greater than screening levels (EPA Region III RBC and Kansas non-residential IRGs). VOCs and TPH analysis of four soil samples from depths of 1.0 to 5.0 feet bgs detected acetone and methylene chloride at levels less than screening levels (EPA Region III RBC and Kansas non-residential IRGs).

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999 -**

  - **Jet Engine Repair Air Hangar** - Six subsurface soil samples were collected from two borings. The samples were collected from depths ranging from 1 to 14 feet bgs and analyzed for VOCs. Methylene chloride and 2-butanone were detected at low levels below screening levels (USEPA Region 3 Residential RBCs).

  - **Aircraft Wash Area No. 2 -** Eight subsurface soil samples and one duplicate sample were collected from three borings. The samples were collected from depths ranging from 2 to 15 feet bgs and analyzed for VOCs. 2-Butanone, acetone, carbon disulfide, cis-l,2-DCE, and methylene chloride were detected at low levels below screening levels (USEPA Region 3 Residential RBCs).

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, subsurface soil samples were collected to determine if a soil source was present. VOC soil contamination was detected in the area of the former wash rack. The Superfund Technical Assessment and Response Team (START) mobile laboratory analysis indicated a 29,000 square foot area of impacted soil between Buildings 606, 626, and 624. The majority of this area is covered with asphalt and/or concrete. The highest TCE concentrations were detected beneath concrete near a storm drain near the northwest corner of Building 626. Only one TCE mobile laboratory sample had a detection greater than screening levels (Superfund Chemical Data Matrix [SCDM] Reference Dose Screening Concentration [RfD]/ Cancer Risk Screening Concentration [CR]) of 58,000 µg/kg. The fixed laboratory analysis of the same sample was below the screening levels.

  Surface soil samples were collected at the area and analyzed for VOCs, SVOCs, and metals According to the 2001 ESI, TCE was detected in Surface Soil Sample S-233, southwest of Scanlan Ditch near Raytheon Building 606 at 5.8 µg/kg. TCE and cis-1,2-DCE were detected at concentrations of 120 micrograms per kilogram (µg/kg) and 18 µg/kg, respectively, in Surface Soil Sample S-254 collected northwest of Building 626. Both Buildings 606 and 626 have minor tracts of exposed soil adjacent to them, generally at the corners. The majority of the ground surface surrounding these buildings is overlain with concrete or asphalt. TCE, cis-1,2-DCE, acetone, 2-butanone, and 2-hexanone were the only VOCs detected within surfaces soil samples in this area.

VOCs were detected in other shallow soil samples collected in this area; however these samples were collected beneath the pavement.

SVOCs and metals including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and arsenic were detected in the surface soils at concentrations greater than screening levels (SCDM RfD/CR).

- **USACE, Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas, September 2005 -**

  - **Supplemental RI 1999 Field Work –** No surface or subsurface soil work was conducted in this area during the Phase I Field Work.

  - **Supplemental RI 2003 Field Work –** Four borings were advanced in the area with seven subsurface soil samples collected and analyzed for VOCs, SVOCs, and metals. Five of the seven subsurface soil samples were collected from the vadose zone. Of the samples collected in the vadose zone, VOCs were detected in three samples, SVOCs in one sample, and metals in all five samples. VOCs that exceeded screening levels (USEPA Region 9 Industrial PRGs and Soil Screening Levels [SSL] Dilution Attenuation Factor set 20 [DAF20]) included TCE (three samples), cis-1,2-DCE (one sample), and vinyl chloride (one sample). There were no SVOC exceedances and the only metal exceeding screening levels was arsenic. A membrane interface probe (MIP) was pushed in 38 locations to better define VOC contamination in the soil and groundwater.

  - **Supplemental RI 2004 Field Work –** Five surface soil samples were collected and analyzed for VOCs. TCE was detected in three samples at low levels (< 2 μg/kg) and below screening levels (USEPA Region 9 Industrial PRGs and SSL DAF20).

- **USACE, Pilot Study, to be conducted by HydroGeologic, Summer 2006 -** A pilot study is planned for the area of contamination located between Buildings 606 and 626 during the summer of 2006. The pilot study will evaluate in-situ chemical oxidation for the remediation of TCE contamination in groundwater and saturated soil. Data collected will also include geochemical parameters relative to chemical oxidation.

6.1.3 Sampling Rationale and Approach

The surface and subsurface soil, sediment, and groundwater data present for the Jet Engine Repair Hangar and the Aircraft Wash Area No. 2 are sufficient to characterize the area; therefore, no additional samples will be collected from these media as part of the OU 1 RI Addendum/FS. Bedrock, however, has not been adequately characterized. Bedrock samples should be collected to determine the physical characteristics of the bedrock including rock type, weathering, strength, bedding, and fractures. Sample procedures are detailed in the FSP. Specific FSP sections are referenced for procedures as appropriate.

To fill the bedrock data gap, it is proposed to collect bedrock core from the location shown on Figure 6-2. To collect the core, a borehole will be advanced five feet into the top of competent bedrock and a protective surface casing will be installed to seal the overburden from the bedrock. The bedrock will then be cored ten feet into the bedrock. The bedrock core will be collected and logged for rock type, weathering, strength, bedding, fractures and other physical properties. The borehole will be reamed to 6 inches in diameter and completed as a bedrock monitoring well (FSP, Appendix A). The monitoring well will be sampled for VOCs using passive diffusion bags and also possibly sampled for natural attenuation indicator parameters using a bladder pump (FSP, Section 6.2).

6.2 SEWAGE TREATMENT PLANT AND LANDFILL

6.2.1 Location and Setting

The Sewage Treatment Plant and Landfill area is located in the southeast portion of OU 1 (Figure 1-3). It was originally bounded by Centennial Road on the west and south and railroad tracks to the east. In recent time, Centennial Road was moved over the southwest portion of the Sewage Treatment Plant Area. A concrete plant consisting of two buildings, batch plant equipment, and gravel/sand bins is present in the northern portion of the area (Figure 6-3). Concrete pavement is present around the concrete plant. A sewage lift station is present in the southern portion of the area. The area around the sewage lift station has grass cover. The area is relatively flat and drains northward into Derussy Ditch and eastward into Centennial Ditch.

Surface soils were logged in the 2001 ESI as brown silty clay. Subsurface soil was logged by GeoCore Services, Inc. (GeoCore) in 1994 as a brown to grey clay, very silty in some locations and with organic material in some locations. Bedrock has not been logged within this area.

During July 2006, depth to groundwater as measured in monitoring wells within the Sewage Treatment Plant and Landfill area ranged from 9 to 13 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.2.2 Previous Sampling Results

For the Sewage Treatment Plant and Landfill area, Figure 6-3 shows the previous sample locations and Table 6-3 summarizes the previous sample results from the 2001 ESI. Additionally, sediment and surface water samples were collected in close vicinity to the Sewage Treatment Plant and Landfill area during the 1999 RI and are included on Figure 6-3 and Table 6-3. Previous investigations conducted at the Sewage Treatment Plant and Landfill area include:

- **Salina Airport Authority, Phase II Environmental Site Investigation, Salina Airport Authority – Centennial, Salina, Kansas, prepared by GeoCore Services, Inc., December 1994 -** Eight shallow monitoring wells (20-23 feet bgs) were installed and sampled for VOCs and SVOCs. Three of the monitoring wells were also sampled for herbicides, pesticides, and metals. Herbicides, pesticides, and SVOCs were not detected. No metals were detected above MCLs. TCE was detected in two wells and methylene chloride and trans-1,2-DCE were detected in another.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** Four surface soil samples were collected during the 2001 ESI and analyzed for SVOCs and metals. SVOCs were detected in three samples with no SVOCs detected above screening levels (SCDM RfD/CR). Metals were detected in all samples with arsenic being the only metal detected above screening levels (SCDM RfD/CR) in three of the four samples. Monitoring Wells SAW01, SAW04, and SAW05 were sampled for VOCs using the mobile lab and SAW04 using a fixed lab. SAW01 and SAW05 were nondetect for TCE, PCE, cis-1,2DCE, and carbon tetrachloride. TCE was detected in SAW04 at 17 micrograms per liter (µg/L). Sediment and surface water samples were collected and analyzed for VOCs, SVOCs, and metals. VOCs were detected in both sediment and one surface water sample. SVOCs were not detected in the surface water samples. SVOCs were detected in both sediment samples. Metals were detected in all sediment and surface water samples. The only exceedances of screening levels (SCDM Ambient Water Quality Criteria [AWQC]) were for copper, lead, and mercury in surface water.

6.2.3 Sampling Rationale and Approach

For the Sewage Treatment Plant and Landfill area, surface and subsurface soil samples are needed to determine if contaminants are present and, if present, the horizontal and vertical extent of the contaminants. Sediment and surface water samples are needed to determine if the Sewage Treatment Plant and Landfill have impacted these media. Groundwater needs to be collected and analyzed to determine if the Sewage Treatment Plant and Landfill have impacted the groundwater medium.

Geotechnical samples are needed to determine the physical properties of the area for use in risk assessment and possible remedial design. Sample procedures are detailed in the FSP. Specific FSP sections are referenced for procedures as appropriate.

To fill the data gaps, the following sampling approach is planned:

- Surface and subsurface soil samples will be collected from selected areas (Figure 6-4) within the Sewage Treatment Plant and Landfill area. Soil samples will be collected from the 0.0 to 0.5 feet bgs, 0.5 to 2.0 feet bgs, 2.0 to 10.0 feet bgs, and 10.0 to top of groundwater intervals. Surface soil samples will not be collected within the area of the concrete plant as this area has been extensively disturbed and covered with concrete. Subsurface soil samples will only be collected from areas assumed to be outside the limits of the Landfill. Surface and subsurface soil samples will be analyzed for VOCs, SVOCs, and metals (Table 6-4) (FSP, Sections 6.3 and 6.4).

- Sediment and surface water samples will be collected from the drainage areas and ditches upgradient and downgradient of the area (Figure 6-4). Sediment and surface water samples will be analyzed for VOCs, SVOCs, and metals (Table 6-4) (FSP, Sections 6.5 and 6.6).

- Groundwater samples will be collected from locations assumed to be outside the limits of the Landfill (Figure 6-4). Groundwater samples will be collected using direct-push technology. The direct-push investigation will consist of advancing a direct-push sampler to the top of bedrock, determining saturated thickness, and collecting groundwater samples. One groundwater sample will be collected from the borehole for each 15 feet of saturated thickness of the aquifer and analyzed on site for PCE, TCE, cis-1,2-DCE, and 1,1-DCE. The number of samples collected will be determined by dividing the thickness of the saturated aquifer by 15 and rounding appropriately (i.e. for a borehole with 34 feet of saturated thickness, two samples will be collected; for a borehole with 40 feet of saturated thickness, three samples will be collected). The deepest groundwater sample will be collected from near the top of bedrock. Confirmation samples will be collected at a rate of 10 percent and analyzed at an off-site laboratory for VOCs (Table 6-4) (FSP, Section 6.2.8). Additional monitoring well locations, including locations for well clusters, will be chosen as needed based upon the results of the direct-push investigation. New monitoring wells will be sampled and analyzed as described in Section 6.5.3.

- Two geotechnical sample sets will be collected from the vadose zone at selected monitoring well locations and will be analyzed for hydraulic conductivity (which includes reporting of dry bulk density and moisture content), and total organic carbon (FSP, Section 6.3.5).

6.3 LIQUID OXYGEN PLANT

6.3.1 Location and Setting

The LOX Plant area is located in the northeast portion of OU 1 (Figure 1-3). The LOX Plant area is located east of Centennial Road and south of the current intersection of Centennial and Tony's Road. Centennial Ditch and the Burlington Northern Railroad are located to the east of the area. The LOX Plant area as shown includes property north of Tony's Road ditch that was never part of the SAFB. Two buildings are located within the LOX Plant area. A building is also located within the lot southwest of the LOX Plant. Concrete pavement for driving and parking is located around the buildings. The northern portion of the area is grassed. The area is relatively flat with drainage of the northern grassed areas northward to Tony's Ditch and of the southern building area eastward to Centennial Ditch. Sample procedures are detailed in the FSP. Specific FSP sections are referenced for procedures as appropriate.

As no previous investigations have been conducted within this area, information on soil, bedrock, and groundwater is not available.

During July 2006, groundwater elevations were measured at OU 1. No monitoring wells near LOX Plant were measured; however, based upon groundwater elevations from monitoring wells upgradient and downgradient of the LOX Plant depth to groundwater can be estimated to be approximately 15 feet bgs. The groundwater gradient was to the east northeast (Figure 2-5).

6.3.2 Previous Sampling Results

No investigations have been conducted within the area of the LOX Plant; however sediment and surface water samples have been collected in the area around the LOX Plant. Figure 6-5 shows the locations of the previous sediment and surface water sample locations and Table 6-5 summarizes the previous sample results.

During the 1999 RI, one surface soil, one sediment, and one surface water samples were collected from the LOX Plant area and analyzed for SVOCs, herbicides, pesticides, PCBs, and inorganics. Two sediment and two surface water samples were also collected and analyzed for VOCs. The surface soil sample was nondetect for SVOCs, herbicides, pesticides, and PCBs. Fifteen metals were detected. As this was a background sample, it was not screened against residential RBCs. Nine SVOCs and 18 inorganics were detected in the sediment sample at levels below background and residential RBC screening levels. No pesticides, herbicides, or PCBs were detected in the sediment sample. Thirteen inorganics were detected in the surface water sample at levels below background and residential RBC screening levels. No SVOCs, herbicides, pesticides, or PCBs were detected in the surface water sample.

Of the two sediment samples analyzed for VOCs, acetone was detected in one sample at low levels, less than the residential RBC screening level. TCE and cis-1,2-DCE were detected in the surface water sample from Centennial Ditch and methylene chloride in the surface water sample from Tony's Road Ditch at low levels. TCE was detected at 2 μg/L slightly over the RBC tap water screening level of 1.6 μg/L.

During the 2000 ESI, five sediment and surface water samples were collected in the LOX Plant area and analyzed for VOCs, SVOCs, and metals. One sediment sample and surface water sample were also analyzed for PCBs and dioxins. TCE was detected in one of the surface water samples at a low level (1.9 μg/L) below the SCDM AWQC screening level. No other VOCs were detected. SVOCs, PCBs, and dioxins were not detected in surface water samples. Metals were detected in the five samples with only lead and mercury detected at levels above their SCDM AWQC screening levels. Five VOCs and nine SVOCs were detected in the sediment samples at low levels below the SCDM RfD/CR screening levels. Metals were detected in the sediment samples with only beryllium detected at levels greater than the SCDM CR screening level. In the one sample analyzed for PCBs and dioxins, a PCB was detected at 430 J above the SCDM CR screening level of 83 μg/kg. Dioxins were not detected.

6.3.3 Sampling Rationale and Approach

For the LOX Plant area, surface and subsurface soil samples are needed to determine if contaminants are present and, if present, the vertical and horizontal extent of the contaminants. Sediment and surface water samples are needed to determine if the LOX Plant has impacted these media. Groundwater needs to be collected and analyzed to determine if the LOX Plant has impacted the groundwater medium and if the LOX Plant is a source for the groundwater plume located to the north and east of the LOX Plant. Geotechnical samples are needed to determine the physical properties of the area for use in risk assessment and possible remedial design. Sample procedures are detailed in the FSP. Specific FSP sections are referenced for procedures as appropriate.

To fill the data gaps, the following sampling approach is planned:

- Surface and subsurface soil samples will be collected from selected areas (Figure 6-6) within the LOX Plant area, including outside of the entrances to the LOX Plant and near the LOX Plant culvert/subsurface drains. The culvert/surface drains were filled in after the LOX Plant closure. Soil samples will be collected from the 0.0 to 0.5 feet bgs, 0.5 to 2.0 feet bgs, 2.0 to 10.0 feet bgs, and 10.0 to top of groundwater intervals. Surface and subsurface soil samples will be analyzed for VOCs

and SVOCs (Table 6-6). Additional soil samples may be collected if determined to be needed (FSP, Section 6.3 and 6.4).

- Sediment and surface water samples will be collected from the drainage areas and ditches upgradient and downgradient of the area (Figure 6-6). Sediment and surface water samples will be analyzed for VOCs and SVOCs (Table 6-6) (FSP, Section 6.5 and 6.6).

- Groundwater samples will be collected from locations around the LOX Plant and LOX Plant culvert/subsurface drains (Figure 6-6). Groundwater samples will be collected using direct-push technology. The direct-push investigation will consist of advancing a direct-push sampler to the top of bedrock, determining saturated thickness, and collecting groundwater samples. One groundwater sample will be collected from the borehole for each 15 feet of saturated thickness of the aquifer and analyzed on site for PCE, TCE, cis-1,2-DCE, and 1,1-DCE. The number of samples collected will be determined by dividing the thickness of the saturated aquifer by 15 and rounding appropriately (i.e. for a borehole with 34 feet of saturated thickness, two samples will be collected; for a borehole with 40 feet of saturated thickness, three samples will be collected). The deepest groundwater sample will be collected from near the top of bedrock. Confirmation samples will be collected at a rate of 10 percent and analyzed at an off-site laboratory for VOCs (Table 6-6). Additional groundwater screening locations will be added, if needed, to define any contamination present (Figure 6-6) (FSP, Section 6.2.8). Monitoring well locations, including locations for well clusters, will be chosen as needed based upon the results of the direct-push investigation. New monitoring wells will be sampled and analyzed as described in Section 6.5.3.

- If groundwater and/or soil samples indicate that the LOX Plant area may be a source for the contaminants located in groundwater to the northeast of the area, then a bedrock core will be collected from the location of the highest groundwater screening result from near the soil/bedrock interface. To collect the core, a borehole will be advanced five feet into the top of competent bedrock and a 6-inch protective surface casing will be installed to seal the overburden from the bedrock. The bedrock will then be cored ten feet into bedrock. The bedrock core will be collected and logged for rock type, weathering, strength, bedding, fractures and other physical properties. The borehole will be reamed to 6 inches in diameter and completed as a bedrock monitoring well (FSP, Appendix A). The monitoring well will be sampled for VOCs using passive diffusion bags and also possibly sampled for natural attenuation indicator parameters using a bladder pump (FSP, Section 6.2).

- Two geotechnical sample sets will be collected from the vadose zone at selected monitoring well locations and will be analyzed for hydraulic conductivity (which includes reporting of dry bulk density and moisture content), and total organic carbon (FSP, Section 6.3.5).

6.4 BUILDING 837 AND FORMER BUILDING 847

6.4.1 Location and Setting

The Building 837 and former Building 847 area lies in the west-central portion of OU 1 (Figure 1-3). The area is east of Hein Road, north of Hayes Road, and south of Crompton Road. Currently the KSU Technology Center occupies Building 837 and a new building overlies the footprint of former Building 847. A concrete parking lot is present to the west of Building 837. The area north of Building 837 and the KSU Technology Center is grass covered. The area is relatively flat. Surface water flows northward through swales until it enters Tony's Road Ditch.

Soil at the site consists of silty clay overlying sandy clays, clayey sands, and clayey gravels. Soil within this area has been sampled for geologic logging to a maximum depth of approximately 30 feet bgs. Soil conductivity probes were conducted within this area and a top of bedrock map developed for the eastern portion of the area. The top of bedrock map indicates that a bedrock low may be present in the western portion of the area. Bedrock has not been logged within the area.

During July 2006, depth to groundwater as measured in monitoring wells near Building 837 and former Building 847 area ranged from 7 to 10 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.4.2 Previous Sampling Results

For the Building 837 and former Building 847 area, Figure 6-7 shows the previous sample locations and Table 6-7 summarizes the previous sample results from the 2001 ESI and the 2005 RI. Previous investigations conducted at the Building 837 and former Building 847 area include:

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999 -** Groundwater was investigated at this area during the RI. No soil samples were collected. Groundwater results are discussed in Section 6.5.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, subsurface soil samples were collected to determine source locations. Soil samples were analyzed on site for target VOCs with a subset of samples analyzed at a

fixed laboratory for full suite VOC analyses. START documented a relatively small area (approximately 3,400 square feet) of subsurface soil contamination north of Building 837 and former Building 847. Three soil samples from this area were analyzed at a fixed laboratory for VOCs. TCE was detected in all three samples ar concentrations ranging from 1,300 to 18,000 µg/kg (S-085, 4 to 6 feet bgs). The mobile lab result for S-085, 4 to 6 feet bgs was 23,100 µg/kg TCE. Soil contamination in this area is centered around Monitoring Well 99M24, from which the groundwater sample with a TCE concentration of 79,000 µg/L was collected.

Surface soil samples were collected from around Building 837 and former Building 847 and analyzed for VOCs, SVOCs, and metals. The 2001 ESI indicated that surface soil contamination exists at the area of VOC-contaminated subsurface soil and groundwater. The area is situated adjacent to the KSU Technical Center, and presents a soil exposure pathway for occupants of the building. A TCE concentration of 1,600 µg/kg was detected in a surface soil sample collected north of the Technical Center.

TCE also was detected in surface soil samples collected from the five other locations in that area at concentrations ranging from 10 µg/kg to 140 µg/kg. cis-1,2-DCE was also detected in two samples collected from this area. None of the detected TCE or cis-1,2-DCE concentrations in surface soil exceeded screening levels (SCDM RfD/CR). No other VOCs associated with the contaminated soil source were detected in surface soil samples collected near the Technical Center.

SVOCs and metals, including benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(a,h)anthracene, dibenz(a,h)anthracene, and arsenic were also detected in surface soil samples at levels greater than screening levels (SCDM RfD/CR).

- **USACE, Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas, September 2005** -

  - **Supplemental RI 1999 Field Work -** Groundwater samples were collected from this area (see Section 6.5).

  - **Supplemental RI 2003 Field Work -** MIP screening was performed at 16 locations to screen for VOCs in the subsurface and to conduct a soil conductivity survey. MIP screening was also conducted at 27 grid locations north of the former armament and electronics shops area. MIP results were used to define extent of VOC contamination. The MIP rods were pushed to refusal at most borings. Based on the conductivity survey, a top of bedrock low was determined to be

present north of Building 837. The extent of the top of bedrock low was not defined in this investigation.

Seven direct-push soil samples were collected at four of these locations and analyzed for VOCs, SVOCs, and metals. Three of the seven samples were collected from below the groundwater table. For the soil samples from the vadose zone, VOCs were detected in two samples with TCE exceeding the screening level (USEPA Region 9 Industrial PRGs and SSL DAF20) in one sample. SVOCs were nondetect in all four samples. Metals were detected in all of the samples.

Groundwater samples were collected from two monitoring wells and were analyzed for SVOCs and VOCs. Groundwater is discussed in Section 6.5.

- **Supplemental RI 2004 Field Work -** Direct-push equipment was used to collect five surface soil samples from a depth of 0 to 0.5 feet bgs for metals and SVOCs. SVOCs were detected in only two samples. Metals were detected in all five samples. Near surface soil samples were also collected from 0.5-1.0 foot bgs and submitted for VOC analysis. TCE was the only VOC detected and was detected in only one sample at 41.6 µg/kg.

- **USACE, Pilot Study, to be conducted by HydroGeologic, Summer 2006** - A pilot study is planned for the area of contamination north of the former armament and electronics shops area. Enhanced bioremediation will be evaluated for the remediation of TCE contamination in soil and groundwater. Data collected will also include geochemical parameters relative to enhanced bioremediation.

6.4.3 Sampling Rationale and Approach

The surface and shallow subsurface soil and sediment data present for the Building 837 and former Building 847 area are sufficient to characterize the area; therefore, no additional samples will be collected from these media as part of the OU 1 RI Addendum/FS. However; limited soil data is present for the area surrounding the Tullis Building. Currently, KSU is planning to place a daycare facility within this building. Top of bedrock has not been defined in the area north of Building 837 and the bedrock has not been adequately characterized. The soil has not been geologically logged to the top of bedrock and contamination in groundwater has not been vertically delineated. Sample procedures are detailed in the FSP. Specific FSP sections are referenced for procedures as appropriate.

To fill the data gaps, the following sampling approach is planned:

- Top of bedrock will be determined through a conductivity survey to the north of Building 837 (Figure 6-8). Conductivity surveys will be collected from the ground surface until refusal (FSP, Section 6.1). To correlate the conductivity surveys to the subsurface, two direct-push borings will be advanced to refusal (FSP, Section 6.3 and Appendix A, Section 8.0). Soil will be collected from the direct-push boring and logged from the ground surface to refusal. Additionally one soil sample will be collected from each 15 feet of saturated soil thickness and dye tested to determine the presence or absence of dense non-aqueous phase liquid (DNAPL) (FSP, Section 6.3.3.3). The conductivity borings will be used with the existing conductivity borings to determine top of bedrock for the area north of Building 837 and former Building 847.

- To fill the bedrock data gap, it is proposed to collect bedrock core from a location that will be determined after completion of the top of bedrock investigation. The bedrock core will be collected from near the bedrock low of the area. The bedrock core location will be, if possible, also be located downgradient, but not within, any DNAPL. To collect the core, a borehole will be advanced five feet into the top of competent bedrock and a six-inch protective surface casing will be installed to seal the overburden from the bedrock. The bedrock will then be cored ten feet into bedrock. The bedrock core will be collected and logged for rock type, weathering, strength, bedding, fractures and other physical properties. The borehole will be reamed to 6 inches in diameter and completed as a bedrock monitoring well (FSP, Appendix A). The monitoring well will be sampled for VOCs using passive diffusion bags and also possibly sampled for natural attenuation indicator parameters using a bladder pump (FSP, Section 6.2).

- Nine direct-push boreholes will be advanced for groundwater sampling (Figure 6-8). The direct-push investigation will consist of advancing a direct-push sampler to the top of bedrock, determining saturated thickness, and collecting groundwater samples. One groundwater sample will be collected from the borehole for each 15 feet of saturated thickness of the aquifer and analyzed on site for PCE, TCE, cis-1,2-DCE, and 1,1-DCE. The number of samples collected will be determined by dividing the thickness of the saturated aquifer by 15 and rounding appropriately (i.e. for a borehole with 34 feet of saturated thickness, two samples will be collected; for a borehole with 40 feet of saturated thickness, three samples will be collected). The deepest groundwater sample will be collected from near the top of bedrock. Confirmation samples will be collected at a rate of 10 percent and analyzed at an off-site laboratory for VOCs (Table 6-8). Groundwater samples for on-site analysis will be collected from the additional direct-push locations shown on Figure 6-8, as needed, to fully characterize the area (FSP, Section 6.2.8).

- Two additional monitoring wells will be installed in a cluster with Monitoring Well 99M24. The screens of the additional wells will be placed based upon the results of the field analysis of the groundwater samples and geologic characterization. Additional monitoring wells may also be placed as determined to be needed (FSP, Appendix A). New monitoring wells will be sampled and analyzed as described in Section 6.5.3.

- Surface and near surface soil samples will be collected from the areas to the east, south, and west of the Tullis Building (Figure 6-8). Soil samples will be collected from the 0.0 to 0.5 feet bgs and 0.5 to 2.0 feet bgs intervals. Surface soil samples from the 0.0 to 0.5 feet bgs interval will be analyzed for SVOCs and metals, and soil samples from the 0.5 to 2.0 feet bgs interval will be analyzed for VOCs (Table 6-8). If warranted, additional samples may be collected for analysis of VOCs.

6.5 GROUNDWATER

6.5.1 Location and Setting

VOC-contaminated groundwater is present beneath much of OU 1. TCE is the primary contaminant present in the groundwater with degradation products of TCE, including cis-1,2-DCE and vinyl chloride also present. Other VOCs detected at limited locations include 1,1-dichloroethene, 1,2-dichloropropane, carbon tetrachloride, methylene chloride, 1,2-dichloroethane (1,2-DCA), benzene, chloroform, and PCE. Multiple sources for the groundwater contamination are known, with other sources potentially present.

During the field activities for the 1998 SI and 1999 RI, groundwater beneath the areas in OU 1 was grouped into one single area called Area of Interest (AOI) 99. AOI 99 included the groundwater medium from General Jim Road northward and from the north/south runway eastward. During the 2005 RI, the groundwater plume was divided into four study areas and described as such. For this OU 1 RI Addendum /FS Work Plan, groundwater contamination at OU 1 has been divided into areas based upon plume configuration. These plume areas are based upon current knowledge of the groundwater contamination. Based on data obtained during this OU 1 RI Addendum/FS, the configuration and number of the plume areas may change. Figure 6-9 shows TCE in groundwater as mapped in the 2005 RI and the labeled plume areas of the groundwater contamination.

- Plume Area A is located in the southwest portion of OU 1. The highest TCE concentration for Plume Area A is at Monitoring Well 99M04 which is downgradient from Aircraft Wash Area No. 1 and upgradient of the Jet Engine Repair Hangar and Aircraft Wash Area No. 2. Plume Area A extends to the east southeast and to the north.

- Plume Area B is located in the southwest portion of OU 1 and northeast of Plume Area A. The highest TCE concentration for Plume Area B is at Monitoring Well 99M13 located at the Fuel Tank Maintenance Hangar Area. Plume Area B extends to the east and northwest.

- Plume Area C is located in the west central portion of OU 1 and north of Plume Area B. The highest TCE concentration for Plume Area C is at Monitoring Well 99M24 located north of Building 837 and former Building 847. Plume Area C extends to the east beneath Landfill No. 2 and to the northeast towards the former LOX Plant.

- Plume Area D is located in the north central and northeast portion of OU 1 and northeast of Plume Area C. The highest TCE concentration for Plume Area D was collected from a direct-push groundwater sample from Location GP-N45 located north of the former LOX Plant. Plume Area D extends eastward and then northeast on the eastern side of Interstate135 (I-135).

- Plume Area E is located in the southeast portion of OU 1 and east of Plume Area A. It is possible that Plume Area E is an extension of Plume Area A. Plume Area E was determined using direct-push data. Plume Area E extends to the northeast.

Figure 2-5 presents the piezometric surface for the groundwater elevations collected on July 25, 26, and 27, 2006. As shown on the figure, the groundwater gradient within OU 1 is to the northeast with a small area in the southwest portion of OU 1 to the northwest. Groundwater elevations ranged from a high of 1,247 feet above msl just south of OU 1 to 1,215 feet above msl in the east central portion of OU 1. Depth to groundwater ranged from 6.5 (99M13) to 19 feet bgs (99M28). Groundwater gradient across OU 1 averaged 0.004 feet per foot.

6.5.2 Previous Sampling Results

For the groundwater at OU 1, Figure 6-9 shows the existing monitoring wells and the locations of direct-push borings from which groundwater samples have been collected for field and laboratory analysis. Table 6-9 summarizes both fixed and mobile laboratory groundwater results from the monitoring wells and Table 6-10 summarizes the groundwater results from the direct-push borings. Previous groundwater investigations conducted at OU 1 include:

- **Salina Airport Authority, Subsurface Investigation, Intersection of Centennial & Magnolia Roads, Salina, Kansas, prepared by GeoCore Services, Inc., June 1993 -** In June 1993, GeoCore performed a subsurface investigation near the intersection of Centennial and Magnolia Roads at the request of the SAA. Four temporary monitoring wells were installed. Soil samples were field

screened for TPH. Three soil and two groundwater samples were analyzed for TPH and VOCs. Low levels of hydrocarbons were detected in the groundwater laboratory sample from one boring. Residue left over from the laboratory extraction of the same sample had a strong pesticide odor.

- **Salina Airport Authority, Subsurface Investigation, Intersection of Centennial & Magnolia Roads, Salina, Kansas, prepared by GeoCore Services, Inc., August 1998 -** GeoCore performed additional field activities for the SAA at the southeast corner of the intersection of Centennial and Magnolia Roads in Salina, Kansas. The additional subsurface activities were performed to supplement the findings of the initial phase of the investigation documented in the report submitted in June of 1993. Five temporary monitoring wells were installed and soil and groundwater samples were collected and analyzed for TPH, VOCs, and pesticides. Based on field screening observations and analytical results from both phases of the site activities, contaminants present in groundwater included low levels of VOCs associated with gasoline and low levels of 1,2-dichloroethene (1,2-DCE), and TCE. Additionally, diethyl toluamide (DEET) was detected in water from all borings for which it was analyzed.

- **Kansas Department of Health and Environment (KDHE), Preliminary Assessment/Screening Site Inspection, Magnolia and Centennial Roads Site, Salina, Kansas, May 1996 -** The area investigated by KDHE ranged from Hayes Road south to Lucas Road and from the runway apron east to Centennial Road. KDHE advanced nine borings and collected groundwater samples from eight. They also sampled three existing monitoring wells at the Vocational Technical Diesel Mechanics Building, the dewatering sump in the Salina Area Technical School administration building (Building 658), and surface water in Derussy Ditch. All samples were analyzed for VOCs. TCE was detected in groundwater from six borings at up to 203 μg/L. Four of the detections exceeded the MCL for TCE. One boring was dry. TCE was not detected in the three monitoring wells although benzene, toluene, ethylbenzene, and xylene (BTEX) were. Detections for benzene in three wells and for ethylbenzene in one well exceeded MCLs. TCE was detected in the sample from the dewatering sump at 123 μg/L and from Derussy Ditch at 107 μg/L. Both detections were above the MCL for TCE.

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999** – Thirty-seven monitoring wells were installed and sampled at AOI 99. (For the 1999 RI, AOI 99 consisted of the groundwater at OU 1.) Groundwater samples were analyzed for VOCs, SVOCs, and TAL metals. TCE was the primary VOC detected at AOI 99. TCE was detected in 29 of 35 monitoring wells in AOI 99.

In the 1999 RI Report, the TCE plume was divided into two areas. The northern portion of the TCE plume extended from Building 837 and former Building 847 northeastward. The RI Report stated that Monitoring Well 99M24 at Building 837 and former Building 847 was probably located in the near vicinity of a TCE source for this section of the plume. The southern portion of the plume began at AOIs 11 and 12 (Jet Engine Repair Hangar and the Aircraft Wash Area No. 2) and extended northward through AOI 09 (Fuel Tank Maintenance Hangar Area) and AOI 02 (Landfill No. 2) and also extended eastward through AOI 29 (Former Aboveground Storage Tanks). Although soil samples were collected and analyzed from this area of the plume, no source for TCE or other VOCs was identified by the RI. The 1999 RI Report noted that a bedrock high, present beneath the southern portion of the plume, directs groundwater to the northwest and east-northeast. The groundwater flow direction is further influenced by pumping at the Salina Area Technical School administration building (Building 658), which creates a more eastern component to the flow direction.

The horizontal and vertical extent of TCE in groundwater was defined on the southern, western, and northwestern edges of the plume. A nondetect horizontal edge was not reached in places along the eastern and northeastern edge of the plume. Vertical extent of TCE in groundwater was not fully defined in the northeastern portion of the plume. Monitoring well screens were placed in the upper portion of the aquifer. As the aquifer thickened to the northeast, this resulted in a lack of definition of the lower section of the aquifer for this portion of the plume.

The second most frequently detected VOC was cis-l,2-DCE. cis-l,2-DCE was detected in 21 monitoring wells with more cis-1,2-DCE detected in the southern portion of AOI 99 then in the northern portion. Vinyl chloride was detected only in the southern portion of the plume. cis-l,2-DCE and vinyl chloride are often found as a degradation products of TCE. Other potential degradation products of TCE detected at AOI 99 include: 1,1-DCE, 1,2-DCA, and trans-1,2-DCE. Although these compounds are degradation products, they may have also been used as primary solvents. The number of degradation products in the southern portion of the plume suggested that more degradation has occurred in the southern portion than the northern portion of the plume. Degradation in the southern portion of the AOI 99 plume was attributed as possibly due to the presence of petroleum hydrocarbons. Degradation products observed in the vicinity of AOI 02 (Landfill No. 2) indicated material in the landfill may be aiding TCE degradation.

Carbon tetrachloride, methylene chloride, benzene, PCE, and 1,2-dichloropropane were detected in localized areas of the groundwater plume. Carbon tetrachloride was detected in three samples in the southern portion of AOI 99. Chloroform and methylene chloride, both potential degradation products

of carbon tetrachloride, were also detected in some of the samples. 1,2-Dichloropropane was detected in three groundwater samples along Scanlan Ditch with the highest detection at AOI 04 (Aircraft Wash Area No. 1) and in one sample northeast of AOI 09 (Fuel Tank Maintenance Hangar Area).

Various other VOCs, SVOCs, and TAL metals were also detected. SVOC compounds exceeding screening levels (USEPA Region 3 Residential RBCs and USEPA Region 9 PRGs) were found in three monitoring wells. Sample results from surrounding monitoring wells indicated that the SVOCs are localized. Arsenic, beryllium, and manganese were detected above MCLs in groundwater. No discernable pattern of exceedances was observed.

Surface water samples were also collected due to the close proximity of the base of the drainage ditches to the piezometric surface and analyzed for VOCs. Sampling of Derussy, Scanlan, Centennial, and Tony's Road Ditches resulted in detections of VOCs (TCE and in some samples TCE degradation products) in Scanlan and Centennial Ditches, where interaction between surface water and groundwater may occur. Samples collected from Tony's Road Ditch, north of the plume did not contain VOCs.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, groundwater samples from 33 monitoring wells were analyzed by the START mobile laboratory for TCE, PCE, cis-1,2-DCE, and carbon tetrachloride. Groundwater samples from 17 selected monitoring wells were also analyzed for VOCs by a fixed laboratory. Of the 17 selected monitoring wells samples for VOCs analysis by a fixed laboratory, nine had TCE present at levels greater than the MCL (5µg/L). Six of the 17 also had other VOCs detected at levels greater than MCLs.

  Groundwater samples were also collected from direct-push locations and analyzed by the START mobile laboratory for TCE, PCE, cis-1,2-DCE, and carbon tetrachloride. Groundwater samples collected with the direct-push were in general collected from just above the top of bedrock. Selected samples were also analyzed for VOCs by a fixed laboratory.

  Groundwater analytical results were evaluated to determine apparent sources of VOC groundwater contamination. Six potential source areas in OU 1 were listed based upon groundwater data. They were:

- **Buildings 606/626 and 624/628**

  The investigated area consisted of Buildings 606, 626, 624, 628 and the immediate vicinity. Groundwater flow direction in this area is complicated by both bedrock highs and the withdrawal of groundwater from the sump pump in the Salina Area Technical School administration building (Building 658) (Note: Building 658 is approximately 800 feet northeast of Buildings 606/626. Building 658's basement is below the groundwater surface. Four-inch drains are present around the building's foundation. Depth to the drains varies from approximately 13 to 20 feet bgs. These drain into a bilge sump, the bottom of which is at a depth of approximately 25.5 feet bgs.). Borings completed during the RI indicate a bedrock high immediately north of Building 626 and extending northeast toward Building 628. Direct-push borings completed during the 2001 ESI confirmed the presence of shale at depths of less than 10 feet bgs. Based upon the groundwater level elevation contour map, Monitoring Well 99M02 lies upgradient of the apparent source. Several other monitoring wells lie downgradient of documented TCE soil contamination. TCE soil contamination was detected at various concentrations throughout this area with two distinct areas of TCE soil contamination identified. All of the TCE soil detections were below screening levels (SCDM RfD/CR). The primary VOCs identified in groundwater samples from this area were TCE and vinyl chloride. Neither of these contaminants was detected in the sample collected from Monitoring Well 99M02. One or both of these contaminants were detected in several monitoring well and direct-push groundwater samples taken downgradient of documented soil contamination.

- **Building 655**

  Direct-push groundwater samples indicated a significant increase in TCE concentrations in groundwater downgradient of Building 655. TCE was not detected in an upgradient sample but was detected in two downgradient samples. Subsequent direct-push soil sampling and analysis documented TCE-contaminated soil below screening levels (SCDM RfD/CR) along the north side of Building 655.

- **Building 723 and Building 724**

  TCE was detected in several direct-push and monitoring well groundwater samples from Building 723 and Building 724. It should be noted, however, that these areas were identified in the 2001 ESI as apparent sources based primarily on the fact that TCE was detected in soils in this area. The distribution of TCE soil contamination in this area was sporadic and of relatively low concentration (below screening levels- SCDM RfD/CR). Because upgradient

groundwater is contaminated before entering this area, the 2001 ESI could not determine the degree to which the relatively diffuse and low-level TCE soil contamination contributes to groundwater contamination.

- **Building 763**

  The 2001 ESI noted that the upgradient results for this building were nondetect and there were downgradient VOC detections; however, no target VOCs were detected within soil samples collected.

- **Building 837 and former Building 847**

  No VOCs were detected in a groundwater sample from upgradient Monitoring Well 99M19. Elevated concentrations of TCE were detected downgradient in both direct-push and monitoring well samples. The on-site maximum TCE concentration in groundwater samples during the 2001 ESI was detected in Monitoring Well 99M24. Direct-push soil sampling and analysis documented an area of TCE soil contamination near Monitoring Well 99M24. TCE detections in soil were above residential USEPA Region 9 PRGs/KDHE Risk-Based Standards for Kansas (RSKs) in only two samples.

In addition to those groundwater samples collected for the purposes of source identification, START also collected deep direct-push groundwater samples adjacent to existing monitoring wells to determine whether the existing downgradient monitoring wells adequately characterized off-site groundwater contamination. Specifically, START was tasked to assess the possibility that contaminated groundwater may be flowing beneath the screened intervals of the furthest downgradient monitoring wells. Direct-push groundwater samplers were driven to refusal adjacent to Monitoring Wells 99M28, 99M29, 99M30, and 99M39 along the eastern edge of OU 1. Direct-push soil sampling at the refusal depth indicated that refusal correlated with the interface between alluvial sediment and the underlying shale. Analytical results from these samples did not indicate a significant difference in VOC concentrations between the monitoring well and the adjacent direct-push groundwater samples. No VOCs of concern were detected in the deep direct-push groundwater samples adjacent to Monitoring Wells 99M29, 99M30, or 99M39. TCE was detected in a deep direct-push groundwater sample adjacent to Monitoring Well 99M28, but at a concentration (19.7 µg/L by START mobile laboratory analysis) not significantly different than that in a sample from Monitoring Well 99M28 (7.24 µg/L by START mobile laboratory analysis). Based on these results, the 2001 ESI concluded that contaminated groundwater does not appear to be currently flowing undetected beneath the existing downgradient monitoring wells. They also concluded that additional

wells screened more deeply in the alluvium do not appear to be necessary to delineate the vertical extent of contaminant migration.

Three private wells downgradient of OU 1 were sampled for VOCs. TCE was detected in one well at 1.34 µg/L which is below the MCL of 5 µg/L. No VOCs were detected in the other two wells.

- **USEPA Region 7, Report for Indoor Air Quality Investigation, Kansas State University – Salina, 2310 Centennial Road, Salina, Kansas, July 17, 2002.** The USEPA collected 17 indoor air samples from 9 buildings on the KSU – Salina campus. The indoor air samples were analyzed for VOCs. VOCs were detected in several of the samples and included acetone, dichlorodifluoro-methane, isopropylbenzene, 2-propanol, toluene, trichlorofluoromethane, TCE, chloroform, and xylene. TCE was detected in samples collected in the Tullis Building at levels of 5.0 and 11 micrograms per cubic meter (µg/m^3). The Tullis Building is immediately downgradient of the highest detected levels of TCE in the groundwater. The analytical results were reviewed by the USEPA Region 7 toxicologist to determine any potential threat to human health resulting from air contamination. The toxicologist conclusion stated that the sampling results indicate that the health threat to individuals occupying the dormitory halls, offices, and storage rooms is negligible.

- **KDHE, Sunflower Lane Site, Salina, Saline County, Kansas, Preliminary Removal Evaluation, KDHE Identification Number C5-073-71841, December 2003** – After a citizen report of the placement of hazardous waste in the construction debris landfill north of the northeast corner of SAFB, KDHE conducted an investigation. The investigation was conducted at a former construction debris landfill commonly called “Cycle Acres”. At the time of the investigation, the construction debris landfill was closed and two businesses, Sunflower Restaurant Supply and Jumpin’ Joe’s Family Fun Center, were operating on adjacent lots on the site. KDHE collected three groundwater samples using direct-push equipment, conducted a geophysical survey of the area, and excavated five separate trenches. The drummed hazardous waste was not found. The three groundwater samples were analyzed for VOCs and metals. TCE was detected in the borehole closest to the SAFB at 160 µg/L, above the TCE MCL of 5 µg/L. cis-1,2-DCE and trans-1,2-DCE were also detected in this borehole at low levels. TCE was detected in groundwater in the other two borings at low levels (2.4 and 3 µg/L).

- **USACE, Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas, September 2005 -**

  - **Supplemental RI - 1999 Field Work** – Direct-push groundwater sampling was conducted within the known plume and at downgradient locations. Samples were analyzed with an on-site mobile GC for TCE, cis-1,2-DCE, and vinyl chloride. Groundwater samples were used to determine the east boundary of the southern and middle portion of the OU 1 plumes. Two additional groundwater monitoring wells (99M39 and 99M40) were installed to the east of the OU 1 plumes. Groundwater samples in the northeastern portion of the OU 1 plumes indicated that groundwater contamination was present at I-135. Soil samples were collected from monitoring well and direct-push borings and analyzed for DNAPLs. No DNAPLs were encountered. One surface water sample was collected from the borrow-pit areas, north of the former liquid oxygen plant, and analyzed for VOCs. The sample was nondetect for VOCs with the exception of acetone, a probable laboratory contaminant. Groundwater wells were also sampled for VOCs and parameters indicative of natural attenuation. Groundwater samples from 22 wells were analyzed for the presence of nitrate, nitrite, sulfate, inorganic chloride, ethene, ethane, and methane in 1999.

  - **Supplemental RI - 2003 Field Work -** Groundwater was collected with direct-push equipment at 21 locations in the northeast portion of the plume and was analyzed with an on-site GC/mass spectrometer (MS) for VOCs. Ten percent of these samples were sent to a lab for confirmation analysis. In addition, 9 private water wells in the residential area located to the northeast of SAFB were sampled to determine the presence or absence of VOCs. Groundwater samples indicated that the groundwater contamination was present in the neighborhood northeast of I-135. Twenty-one monitoring wells in OU 1 were sampled and analyzed for VOCs for continued monitoring.

  - **Supplemental RI - 2004 Field Work -** The objective of the groundwater plume investigation was to further define the leading edge of the VOC plume in the northeastern portion of the SAFB. Direct-push equipment was used to collect groundwater samples that were analyzed for TCE, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, vinyl chloride, carbon tetrachloride, and chloroform using an on-site GC/MS. Confirmation samples were collected at a rate of 10 percent of the GC/MS samples. The investigation showed that the TCE plume had extended approximately 1,400 feet northeast of I-135, and established a nondetect edge for the plume in this area. Concentrations of TCE in groundwater were 2,117 μg/L at Direct Push Boring GP-N45. Direct Push Boring GP-

N45 was located in the southeast corner of a closed debris landfill and north of the former LOX Plant. Fifty-three groundwater monitoring wells in OU 1 were sampled for VOCs.

6.5.3 Sampling Rationale and Approach

Data gaps for the groundwater at OU 1 include the following:

- Horizontal Extent of Groundwater Plume – In several areas the horizontal extent of the groundwater plume has not been fully defined. These areas include Plume Area E, the eastern extent of Plume Area C, and the northeastern extent of the Plume Area D on the northeast side of I-135 (Figure 6-10). Additional areas that need further definition include the area beneath the former Sewage Treatment Plant and Landfill, the area beneath the LOX Plant, the eastern edge of Plume Area B, the width of Plume Area D between the LOX Plant and I-135, the area between Plume Area C and Plume Area D, the area between Plume Area A and Plume Area E, and the extent of carbon tetrachloride near Monitoring Well 99M23.

- Vertical Extent of Groundwater Plume – The vertical extent of the groundwater plume needs to be defined in the alluvial portion of the aquifer in the northern and eastern portions of the OU 1 and in the portion of Plume Area D that is northeast of I-135.

- Monitoring of the Groundwater Plume – Additional groundwater monitoring wells are needed to monitor the horizontal and vertical extent of the plumes.

- Hydrogeologic and Physical Properties of the Aquifer – The hydrogeologic and physical properties of the alluvial aquifer, including hydraulic conductivities, piezometric measurements, surface water gauging, and physical properties, are needed to better define fate and transport of the contamination and to determine remediation methods as needed.

To fill the data gaps, the following sampling approach is planned:

- Horizontal and Vertical Definition of Groundwater Plume – A direct-push investigation will be conducted at areas requiring additional vertical and horizontal definition (Figure 6-10). The direct-push investigation will consist of strategically placing boreholes within the areas shown on Figure 6-10. For each direct-push borehole, a sampler will be advanced to the top of bedrock, saturated thickness will be determined, and groundwater samples will be collected. One groundwater sample will be collected from each borehole for each 15 feet of saturated thickness of the aquifer and analyzed on site for selected VOCs. The number of samples collected will be determined by dividing

the thickness of the saturated aquifer by 15 and rounding appropriately (i.e. for a borehole with 34 feet of saturated thickness, two samples will be collected; for a borehole with 40 feet of saturated thickness, three samples will be collected). The deepest groundwater sample will be collected from near the top of bedrock. At three boreholes (locations to be determined), a groundwater sample will be collected for each 10 feet of saturated thickness of the aquifer and analyzed on site for selected VOCs. Confirmation samples will be collected at a rate of 10 percent and analyzed at an off site laboratory for VOCs (Table 6-11) (FSP, Section 6.2.8).

The direct-push sampling will be conducted as iterative sampling rounds. The first sampling round will consist of boreholes placed at 500-foot intervals along the sample lines placed to define the vertical and horizontal length of the plumes (Sample Grid 2C, 5D, and 1E); and at 200-foot intervals to define the eastern edge of the plume (Line 1B01), to better define the width of the plume (Lines 5C01, 2D01, 3D01, and 4D01), to define the extent of carbon tetrachloride detected in Monitoring Well 99M23 (Sample Grid 3C), to define the nondetect edge of the plume (Line 4C01), or to determine the nature of groundwater contamination at depth (Lines 2C20 western portion and 6C01) (Figure 6-10).

For Sample Grids 2C, 5D, and 1E, sampling will start at the western most point of Lines 2C20, 5D20, and 1E20 and continue eastward on 500 foot intervals until nondetects are achieved. Then, based upon the results of the on-site analysis for Lines 2C20, 5D20, and 1E20, additional boreholes will be placed between the previous boreholes to better define any area of concern. For each of these lines, one borehole will be sampled on ten-foot intervals instead of 15-foot intervals. These boreholes will be placed so that they are near the downgradient edge of the plume but still within the plume. The groundwater screening from these boreholes will be used to further characterize the vertical extent of the plume. Transverse lines will next be placed to define the width of the plume areas. Transverse lines will be typically located out from the non-detect, 5 µg/L, 50 µg/L, 500 µg/L, and the highest detection, as applicable. Transverse lines will be extended in 500-foot intervals until the nondetect edge is reached. Additional points may be added on the transverse lines, if needed, to better define the plume. A transverse line will also be extended from Line 3C20 from the point with the highest carbon tetrachloride detection. The transverse points will be places out 200 feet to better define the area of carbon tetrachloride contamination. Groundwater screening samples will be analyzed on site for PCE, TCE, cis-1,2-DCE, and 1,1-DCE with the exception of groundwater samples from Sample Grid 3C which will be analyzed on site for PCE, TCE, cis-1,2-DCE, 1,1-DCE, and carbon tetrachloride (FSP, Section 5.5)

- Installation of Additional Monitoring Wells – Additional monitoring wells will be placed to monitor the groundwater plume. Locations for groundwater monitoring wells will be proposed based upon the direct-push data and existing data. Groundwater monitoring wells will also be placed in clusters at selected locations to monitor the vertical extent of the plume. Well clusters will, depending upon the saturated thickness of the aquifer, include either shallow and deep wells (<30 feet of saturated thickness); or shallow, intermediate, and deep wells (>30 feet of saturated thickness). New monitoring wells may also be clustered with existing monitoring wells. Groundwater monitoring wells will be placed within the plumes and outside the edges of the plumes to monitor contamination presence and movement (FSP, Appendix A). Groundwater monitoring wells will be sampled for VOCs using passive diffusion bags (FSP, Section 6.2.6). Selected groundwater monitoring wells will be sampled using low flow techniques and analyzed for natural attenuation indicator parameters (Table 6-11) (FSP, Section 6.2.7). Upon completion of the RI Addendum/FS field investigation, selected newly-installed will be incorporated into the long term monitoring. Long term monitoring at the SAFB consists of semiannual sampling for VOCs using passive diffusion bags with 20 percent of the monitoring wells also sampled for natural attenuation indicator parameters.

- Hydrogeologic Properties of the Aquifer – To better define the hydrogeologic properties of the aquifer, hydraulic conductivities will be obtained through slug tests and pumping tests; piezometric measurements will be collected from new and existing monitoring wells; geotechnical soil samples will be collected during monitoring well installation; and stream gauges will be installed at strategic locations.

    - Four slug tests will be conducted in the shallow, less-permeable portions of the aquifer. Monitoring wells to be slug tested will be chosen after installation of the monitoring wells (FSP, Appendix A and Section 3.5).

    - Two pumping tests will be conducted in the alluvial aquifer. One will be placed south of Plume Area D near I-135 in the finer grained alluvium, and the other will be placed downgradient of Plume Area D in the coarser grain alluvium (Figure 6-10). Prior to installation of the wells for the pumping tests, the groundwater will be sampled and analyzed using direct-push methods to ensure that the pumping tests are conducted in areas of no contamination. One groundwater sample will be collected from the borehole for each 15 feet of saturated thickness of the aquifer and analyzed on site for PCE, TCE, cis-1,2-DCE, and 1,1-DCE. At least one groundwater sample per borehole will be analyzed at an off-site laboratory for VOCs (Table 6-11). A pilot test hole will also be drilled at each

pumping test location. The pilot test hole will be logged to refusal at bedrock. Geotechnical samples will be collected for analysis for grain size distribution to aid in the design of the well screen for the pumping test well. The pilot test hole will be abandoned upon completion. The pumping test wells will be abandoned upon completion of the pumping tests (FSP, Appendix A, Section 3.5).

- Four quarterly rounds of piezometric measurements will be collected from all of the monitoring wells at OU 1 (FSP, Section 6.2.3). The measurement rounds will include previously existing monitoring wells and any monitoring wells installed as part of this RI Addendum/FS.

- Ten geotechnical soil sample sets will also be collected during monitoring well installation to better define the hydrogeologic properties of the aquifer to aid in potential future remediation and groundwater modeling. The geotechnical sample sets will be analyzed for grain size distribution, Atterberg limits, hydraulic conductivity, specific gravity, and total organic carbon. Locations from which sample sets will be collected will be determined after monitoring well locations are determined (FSP, Section 6.3.5).

- Stream gauges will be installed on Dry Creek upgradient and downgradient of the SAFB, on the downgradient end of Centennial Ditch, and the downgradient end of Tony's Road Ditch to better define hydrologic properties of the SAFB (Figure 6-10) (FSP, Section 6.7).

6.6 FORMER PUMPHOUSE NO. 3

6.6.1 Location and Setting

Former Pumphouse No. 3 is located in the southwest corner of OU 1 (Figure 1-3). It is located between Buildings 509 and 606 on the eastern edge of the apron and adjacent to Taxiway A(2) (Figure 6-11). There are currently no structures on the area. The area is flat and grassed with some concrete pavement present. Drainage is inward to a storm drain that empties into Centennial Ditch.

The area is characterized by gravel, pavement, topsoil, or fill materials underlain by alluvial and residual silty clay and clayey silt. The thickness of unconsolidated materials as logged ranged from 7.7 to 14.3 feet. Unconsolidated materials were underlain by a soft greenish grey, slightly weathered shale of the Wellington Formation.

During the 1998 SI, four to six days were required for the temporary piezometers to accumulate measurable quantities of water. The piezometric surface in the vicinity of the Former Pumphouse No. 3 had a multi-directional configuration, with groundwater flowing to the west, northwest, and north.

During July 2006, depth to groundwater as measured in monitoring wells near Former Pumphouse No. 3 ranged from 9 to 11 feet bgs. The groundwater gradient was to the northwest (Figure 2-5).

6.6.2 Previous Sampling Results

For Former Pumphouse No. 3, Figure 6-11 shows the previous sample locations and Table 6-12 summarizes the previous sample results from the 1998 SI. Additionally, subsurface soil samples were collected in this area during the 2001 ESI and field analyzed for VOCs. The locations for these samples are also included on Figure 6-11 and the results on Table 6-12. Previous investigations conducted at Former Pumphouse No. 3 include:

- **USACE, Laboratory Report, Fueling Pump House No. 3., prepared by Plains Environmental Services, May 1993 -** In March 1993, seven subsurface soil and six groundwater samples were collected and analyzed from Former Pumphouse No. 3 by Plains Environmental Services of Salina, Kansas. Analyses of soil samples collected in and around the underground storage tank (UST) excavation indicated total VOC concentrations up to 660 µg/kg and BTEX concentrations of up to 134,280 µg/kg. Groundwater sample analyses indicated total VOC concentrations of up to 69,680 µg/kg.

- **KDHE, Buried Tank Leak Assessment, Site No. 05085, Pumphouse No. 3., July 1994 -** Groundwater samples collected by KDHE on July 7, 1994, from the UST excavation indicated the presence of dichloromethane and xylene. Additional groundwater samples were collected by KDHE on July 25, 1994; subsequent analysis indicated the presence of 1,2-DCE and TCE. Vinyl chloride, dichloromethane, 1,2-DCE, and TCE were also detected in another groundwater sample.

- **USACE, Construction Notebook, UST Removal Project - Phases III/IIIA/IV (Former Schilling Air Force Base), Salina Municipal Airport, Salina, Kansas, Vol. 1, prepared by IT Corporation, December 1995 -** Groundwater samples were collected in August 1994 during tank removal excavation activities. One sample indicated the presence of trans-1,2-DCE, cis-l,2-DCE, TCE, and benzene. KDHE analysis of groundwater samples indicated the presence of vinyl chloride, 1,2-DCE, TCE, benzene, and acetone.

- **Salina Airport Authority, Phase II Environmental Site Investigation, Salina Airport Authority – Arnold, prepared by GeoCore Services, Inc., April 1995** - A Phase II Environmental Site Investigation was conducted at Former Pumphouse No. 3 in March and April 1995. Two temporary and three permanent monitoring wells were installed during the investigation. VOC analysis of groundwater detected benzene, dichloroethene (DCE), TCE, vinyl chloride, and xylenes.

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998 -** Seventeen boreholes were advanced using direct-push sampling equipment. Three borings were advanced to bedrock refusal and geologically logged. The other borings were advanced 5.0 feet into the watertable or to bedrock refusal. Groundwater samples from four boreholes were collected and field screened using a portable GC. TCE was detected in two borings at 2.2 and 5.8 μg/L. Benzene was detected in one boring at 24.2 μg/L. Temporary piezometers were installed in three boreholes to determine groundwater elevation and gradient. Two sediment samples were collected from a storm drain located in a grassy area and one from a storm drain approximately 300 feet west of the site on the concrete apron sediments and were analyzed for SVOCs and metals. Metals and SVOCs were detected in both samples.

KDHE approved closure of the pumphouse with respect to fuel-related contaminants in 1995.

6.6.3 Sampling Rationale and Approach

Former Pumphouse No. 3 has been closed with respect to fuel-related contaminants by KDHE. Chlorinated VOCs within the groundwater are discussed as part of Plume A in Section 6.5. Adequate data from previous UST investigations exists to support a remedial decision when addressing the remediation of chlorinated solvents.

6.7 BUILDING 655

6.7.1 Location and Setting

Building 655 is located in the south central portion of OU 1 (Figure 1-3). Building 655 is located north of General Jim Road and west of Scanlan Avenue. Pavement is present north and west of the building. To the east is a small grassed area and a parking lot. Grass and a small paved loading dock area are present to the south of the building. The site is relatively flat. Drainage is to the north towards Derussy Ditch.

The upper portion of the soil at the site was logged as a grey to brown, silty clay or silt with fill in places. Gravel was logged at 8.0 to 9.3 feet bgs in one boring. Bedrock was not logged at this area; however a weathered, weak, grey shale of the Wellington Formation was logged in Monitoring Well 99M33, located

directly north of Building 655 (Figure 6-9), at 20 bgs. Depth to bedrock (refusal) ranged from 10 feet bgs southwest of Building 655 to 30 feet northeast of Building 655. Monitoring wells have not been installed in the immediate area of Building 655.

During July 2006, depth to groundwater as measured in Monitoring Well 99M33, north of Building 655, was 14 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.7.2 Previous Sampling Results

For the Building 655 area, Figure 6-12 shows the previous sample locations and Table 6-13 summarizes the previous sample results from the 2001 ESI. Additionally one boring within this area, conducted as part of the 1998 SI for the Former Aboveground Storage Tanks is included on Figure 6-12 and Table 6-13. Previous investigations conducted at the Building 655 include:

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, subsurface soil samples were collected from north of Building 655 to determine if a potential soil source existed for VOCs in groundwater. The 2001 ESI identified Building 655 as a potential source because direct-push groundwater samples indicate a significant increase in TCE concentrations in groundwater downgradient of Building 655. Approximately 6,500 square feet of low-level soil contamination was detected immediately north of Building 655. The majority of the contamination lies beneath asphalt. The maximum TCE concentration detected in soil by the laboratory was 110 µg/kg.

  TCE also was detected in one surface soil, located north of Raytheon Building 655, at a concentration of 14 µg/kg. (The property on which this sample was collected houses the Unified School District [USD] #305 Alternative School.) Because VOCs of concern were not detected in any other sample collected in the area of this sample (located approximately 200 feet southeast of the school building), surface soil contamination on Alternative School property appeared to be limited.

6.7.3 Sampling Rationale and Approach

The surface and subsurface soil data present for Building 655 are sufficient to characterize the area; therefore, no additional samples will be collected as part of the OU 1 RI Addendum/FS. Concentrations of VOCs in groundwater north of Building 655 appear to be associated with the Jet Engine Repair Hangar and Aircraft Wash Area No. 2 area. Building 655 does not appear to be the source of the identified groundwater contamination. Chlorinated VOCs within the groundwater are discussed as part of Plume A in Section 6.5.

6.8 FORMER ABOVEGROUND STORAGE TANKS

6.8.1 Location and Setting

The Former Aboveground Storage Tanks area is located in the southern central portion of OU 1 (Figure 1-3). The area where the aboveground storage tanks (ASTs) were located is between Ganey Road to the south and Lucas Road to the north and is bisected by Scanlan Avenue. The area was the location of two former aviation gasoline ASTs. Tank AG-5 was located on the eastern side of Scanlan Avenue and Tank AG-6 was located on the western side. A building with a parking lot is located on the western portion of the area and the eastern portion is an empty grass-covered lot. The area is relatively flat. The surface water in the western portion of the area flows northward towards Derussy Ditch. The surface water in the eastern portion of the area flows overland northeastward, then northward into Derussy Ditch.

The area is characterized by topsoil and fill materials; underlain by alluvial silty clay, clayey silt, clayey gravel, and sandy clayey silt. The maximum thickness of the unconsolidated materials was 19.5 feet. It was comprised of variable thicknesses of fill and alluvium. Fill materials consist mostly of silty clay with thicknesses ranging from 2.1 to 5.3 feet. The thicknesses of alluvium range from 8.2 to 17.1 feet. The unconsolidated materials were underlain by a yellowish-brown, weathered, silty, soft shale of the Wellington Formation. Depth to bedrock ranged from 10.7 to 19.5 feet bgs in the 1998 SI. The bedrock surface slopes to the northeast and east.

During July 2006, groundwater elevations measured in monitoring wells near the Former Aboveground Storage Tanks ranged from 13 to 14 feet bgs. The groundwater gradient was to the east northeast (Figure 2-5).

6.8.2 Previous Sampling Results

For the Former Aboveground Storage Tanks area, Figure 6-13 shows the previous sample locations and Table 6-14 summarizes the previous sample results from the 1998 SI and the 2001 ESI. Previous investigations conducted at the Former Aboveground Storage Tanks area include:

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998** - Eight borings were advanced to bedrock refusal with four borings placed at each former AST location. Only one boring accumulated sufficient groundwater for sampling and was sampled for BTEX and 1,2-DCA. Temporary piezometers were installed in three borings. Groundwater accumulated in one boring. A groundwater sample was collected and analyzed for VOCs. 1,1-DCE (290 µg/L), cis-l,2-DCE (920 µg/L), and TCE (420 µg/L) were detected in the one groundwater sample at concentrations above MCLs.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** Five boreholes were advanced within this area as part of the 2001 ESI investigation for Building 655. Surface and subsurface soil samples were collected and analyzed for VOCs. Results are discussed within the 2001 ESI summary in Section 6.7.2 of this OU 1 RI Addendum/FS Work Plan. One surface sample was collected within the Former Aboveground Storage Tanks area and analyzed for metals and SVOCs. Metals and SVOCs were detected at concentrations less than screening levels (SCDM RfD/CR).

6.8.3 Sampling Rationale and Approach

As petroleum hydrocarbons are specifically excluded from the CERCLA process, this area will not be investigated further under this OU 1 RI Addendum/FS. Chlorinated solvents within the groundwater in this area will be included with Plume A in Section 6.5. Adequate data from previous UST investigations exists to support a remedial decision when addressing the remediation of chlorinated solvents.

6.9 BOILER PLANT AND HEATING OIL TANK AREA

6.9.1 Location and Setting

The former Boiler Plant and Heating Oil Tank Area is located in the southeast portion of OU 1. The area overlays Centennial Road and Berschel Avenue, and is south of Beechcraft Road and north of Scanlan Avenue. This area overlaps with the Sewage Treatment Plant Area and Landfill discussed in Section 6.2. The area is grass covered with two paved streets (Centennial Road and Berschel Avenue) present. The area is relatively level with surface water draining towards Derussy Ditch to the north of the area.

In the 1996 SI, surface soil was described as a silt with sand present underlain by a dark reddish brown, firm, clay or silt. No borings have been advanced in this area to either bedrock or groundwater.

During July 2006, depth to groundwater as measured in monitoring wells near the former Boiler Plant and Heating Oil Tank Area ranged from 9 to 13 feet bgs. The groundwater gradient was to the east (Figure 2-5).

6.9.2 Previous Sampling Results

Previous investigations conducted at Boiler Plant and Heating Oil Tank Area include:

- **USACE, Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas, prepared by Rust Environment & Infrastructure, October 1996 -** Six surface soil samples (three locations, two soil samples per location, 0-1 feet bgs and 1-2 feet bgs) and one

asphalt sample were collected at this location. The asphalt sample was analyzed for VOCs, SVOCs, metals, total organic halogen (TOX), pH, and total recoverable petroleum hydrocarbons (TRPH). The shallow surface soil samples (0-1 feet bgs) were analyzed for SVOCs, metals, TOX, pH, and TRPH and the deeper surface soil samples (1-2 feet bgs) were analyzed for VOCs only. Two sets of soil samples and the asphalt sample were collected from locations near the railroad track. One set of soil samples was collected from the west side of Building 676. Fourteen of the 31 analytical parameters detected in the soil samples had concentrations exceeding background levels. The parameters include metals, VOCs, SVOCs, and TRPH. One of the TRPH detections in soil also exceeded regulatory levels. Calcium and zinc exceedances only marginally exceeded the background range. Two other exceedances were for methylene chloride (low levels) and bis(2-ethylhexyl)phthalate.

6.9.3 Sampling Rationale and Approach

As petroleum hydrocarbons are specifically excluded from the CERCLA process, this area will not be investigated further under the OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume A in Section 6.5. Adequate data from previous UST investigations exists to support a remedial decision when addressing the remediation of chlorinated solvents.

6.10 AIRCRAFT WASH AREA NO. 1

6.10.1 Location and Setting

Aircraft Wash Area No. 1, a former DOD aircraft washrack, is located in the southwest portion of OU 1 (Figure 1-3). It is located west of Scanlan Avenue, north of Ohlke Road, and east of Taxiway A(2). Aircraft Wash Area No. 1 encompasses Buildings 624 and 628 and the washrack area between (Figure 6-14). The washrack area is paved with concrete. The rest of the area is grass covered. The Aircraft Wash Area No. 1 is relatively flat with surface water draining to the north central portion of the area where it enters Scanlan Ditch.

Surface soil from the eastern portion of Aircraft Wash Area No. 1 was described in the 1999 RI as silty clay with roots and a trace of fine-grained sand. The overburden at Aircraft Wash Area No. 1 was logged as topsoil, fill material, reworked native material, alluvium, and residuum. Topsoil and reworked native soils, composed of silt and clay with trace amounts of fine sand, were observed generally within the first five feet of soil. Alternating layers of silty clay and clayey silt, with trace amounts of sand and gravel, compose the residuum and alluvium that lie directly above bedrock.

Depth to bedrock as measured in previous investigations ranged from approximately 8 to 25 feet bgs. The uppermost bedrock encountered was shale of the Permian Wellington Formation. The shale was logged

as very weak, extremely weathered, laminated, and varied in color from olive and greenish gray to reddish brown. The bedrock structure underlying Aircraft Wash Area No. 1 appears to be a knob or ridge. The top of bedrock drops in elevation to the north, east, and west.

During July 2006, depth to groundwater as measured in monitoring wells near Aircraft Wash Area No. 1 ranged from 8 to 11 feet bgs. The groundwater gradient was to the north northeast (Figure 2-5).

6.10.2 Previous Sampling Results

Figure 6-14 shows the previous sample locations for the Aircraft Wash Area No. 1 and Table 6-15 summarizes the previous sample results from the 1999 RI, 2001 ESI, and 2005 RI. Previous investigations conducted at Aircraft Wash Area No. 1 include:

- **USACE, Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas, prepared by Rust Environment & Infrastructure, October 1996** - During the SI, Rust Environment & Infrastructure (Rust) collected four surface soil sample sets (0-1 and 1-2 feet bgs) from the Aircraft Wash Area No. 1and analyzed the sample sets for VOCs, SVOCs, metals, TOX, and pH. Twenty-six of the 41 analytical parameters, including VOCs, SVOCs, and metals, detected had concentrations exceeding the corresponding soil background concentrations.

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999** - Samples were collected from surface soil (5- VOCs and SVOCs), surface water (1 – SVOCs and TAL metals, 3 – VOCs), sediment (2 – SVOCs and TAL metals, 3 – VOCs), and subsurface soil (15 – VOCs and SVOCs and 9 – VOCs. Contaminants above screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs) identified at Aircraft Wash Area No. 1 include: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)-anthracene, and indeno(l,2,3-cd)pyrene in the surface soil; TCE in surface water; and benzo(a)pyrene and dibenzo(a,h)anthracene in sediment. VOCs detected in surface water included acetone, TCE, trans-1,2-DCE, and cis-1,2-DCE. VOCs detected in sediment included cis-1,2-DCE, methylene chloride, trans-1,2-DCE, toluene, and vinyl chloride.

  Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno-(1,2,3-cd)pyrene were detected in surface soil at concentrations exceeding the screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs). All exceedences were present in one sample collected from a low-lying area that ponds surface water runoff from the ramp area.

Sediment samples collected from Scanlan Ditch contained benzo(a)pyrene and dibenzo(a,h)-anthracene at concentrations greater than the screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs). Concentrations of these chemicals were greater in sediment samples collected from the storm sewer system prior to the sewer discharge in Scanlan Ditch indicating additional sources upgradient of Aircraft Wash Area No. 1.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, surface soil, subsurface soil, sediment, and surface water samples were collected. Based upon subsurface soil samples, an area of soil contamination was determined to be located on the south bank of Scanlan Ditch, immediately northeast of the second base aircraft wash rack. This grassy area covers approximately 2,800 square feet.

  As reported in the 2001 ESI, surface soil contamination along Scanlan Ditch northeast of the wash rack does not appear to be extensive. TCE was detected in two samples at concentrations of 10 µg/kg and 49 µg/kg. The soil exposure threat near Scanlan Ditch was determined to be low because the access was limited by the fence encircling this portion of the Raytheon complex, and only the workers employed in a Raytheon building southwest of this area are within 200 feet of the observed area of contamination. In addition, this area consists of unoccupied grassland dominated by the Scanlan Ditch drainage way. Surface soil samples were also analyzed SVOCs and metals. Benzo(a) athracene, benzo(b)fluoranthene, benzo(a)pyrene, ideno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and arsenic were detected at levels greater than screening levels (SCDM RfD/CR)

- **USACE, Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas, September 2005 -**

  - **Supplemental RI 1999 Field Work -** No soil, surface water, or sediment samples were collected. Groundwater samples were collected from nearby monitoring wells. Groundwater at OU 1 is discussed in Section 6.5.

  - **Supplemental RI 2003 Field Work -** Four surface soil samples were collected and analyzed for SVOCs and metals. SVOCs were only detected in one sample. Of the SVOCs detected, only benzo(a)pyrene was detected above screening levels (USEPA Region 9 Industrial PRGs and SSL DAF20). Metals were detected in all of the samples but only arsenic was detected above screening levels. Three subsurface soil samples each were collected from four locations and sampled for VOCs, SVOCs, and metals. The bottom sample interval for each

boring was below the groundwater table and is not discussed. TCE was the only VOC detected above screening levels (USEPA Region 9 Industrial PRGs and SSL DAF20) in soil samples from the vadose zone. Only one SVOC was detected in the vadose soil samples at low levels. Metals were detected in all vadose zone samples; only arsenic was detected above screening levels (USEPA Region 9 Industrial PRGs and SSL DAF20).

- **Supplemental RI 2004 Field Work -** Five surface soil samples were collected at depths of 0.5 to 1.0 foot bgs and analyzed for VOCs. TCE was detected in three samples at 1.1 µg/kg to 26.5 µg/kg and cis-1,2-DCE was detected in one sample at 0.91 µg/kg.

6.10.3 Sampling Rationale and Approach

The surface and subsurface soil, sediment, surface water and groundwater data present for Aircraft Wash Area No. 1 are sufficient to characterize the area; therefore, no additional samples will be collected as part of this OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume A in Section 6.5.

6.11 FORMER BASE MOTOR POOL

6.11.1 Location and Setting

The Former Base Motor Pool is located in the south central portion of OU 1 (Figure 1-3). The area is located between Derussy Road to the south, Beechcraft Road to the north, Centennial Road to the east, and Scanlan Avenue to the west. There are currently three buildings at the area. The majority of the area is paved with grassed areas only along the outer drainage swales. The area is relatively flat. Surface drainage in this area is directed east and west into swales alongside Centennial Road and Scanlan Avenue, then northward into Scanlan Ditch.

The Former Base Motor Pool is characterized by pavement, topsoil, and fill materials underlain by silty clay, clayey silt, and sandy clayey silt. The overburden consists of variable thicknesses of fill and alluvium. Fill materials consist of silty clay, gravel, sand and shale over alluvial materials of silty clay, clayey silt, and sandy clayey silt. Depth to bedrock ranged from 15.2 to 18.2 feet during the 1998 SI. Below the unconsolidated material is shale bedrock of the Wellington Formation. The bedrock surface slopes to the northeast and east.

During July 2006, depth to groundwater as measured in Monitoring Well 22M12 at the Former Base Motor Pool was 10 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.11.2 Previous Sampling Results

For the Former Base Motor Pool, Figure 6-15 shows the previous sample locations and Table 6-16 summarizes the previous sample results from the 1998 SI and the 2001 ESI. Previous investigations conducted at Former Base Motor Pool include:

- **Salina Public Schools, U.S.D. No. 305, Initial Site Investigation of Fuel Contaminated Groundwater for Salina Public Schools, U.S.D. No. 305, Vo-Tech Diesel Mechanics Building, prepared by J.C. Butler Associates, Inc., October 1989 -** The objective of the environmental site investigation was to assess the type of and horizontal extent of hydrocarbon contamination in the groundwater in response to a request by KDHE. Five piezometers were installed and three groundwater samples were collected and analyzed for purgeable aromatic indicators, petroleum hydrocarbons, and lead. Petroleum hydrocarbons and lead were detected in the two downgradient samples. Total lead was the only analyte detected in the upgradient sample.

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998 -** Nine boreholes were advanced to refusal. Two groundwater samples were collected and analyzed for BTEX and 1,2-DCA and three samples were analyzed for VOCs. Soil gas samples were field-screened for BTEX and 1,2-DCA. Two sediment and surface water samples were collected and analyzed for SVOCs and metals. SVOCs and metals were detected in both sediment samples. Metals were detected in both surface water samples and benzoic acid was detected in one surface water sample. None of the SVOC or metals results for the surface water and sediment samples exceeded screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs). A soil gas survey was also conducted to better define the horizontal extent of contamination.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, surface soil and subsurface soil samples were collected near Building 763. Two surface soil samples were analyzed for SVOCs and metals. SVOCs and metals were detected in both samples with only arsenic and benzo(a)pyrene exceeding screening levels (SCDM RfD/CR). All 38 subsurface soil samples were analyzed with a mobile laboratory for cis-1,2-DCE, carbon tetrachloride, PCE, and TCE. Six samples were analyzed for VOCs at a fixed laboratory. No contamination was detected in any of the 38 subsurface soil samples collected from this property.

6.11.3 Sampling Rationale and Approach

As petroleum hydrocarbons are specifically excluded from the CERCLA process, this area will not be investigated further under the OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume A in Section 6.5. Adequate data from previous UST investigations exists to support a remedial decision when addressing the remediation of chlorinated solvents.

6.12 ABOVEGROUND STORAGE TANK AREA AND SUSPECT TANK SLUDGE BURIAL SITES / BLACK TAR

6.12.1 Location and Setting

The Aboveground Storage Tank Area consists of three ASTs and the Suspect Tank Sludge Burial Sites / Black Tar consists of five suspected "fuel tank sludge" burial sites, four of which are within or near the Aboveground Storage Tank Area. As the Suspect Tank Sludge Burial Sites / Black Tar is situated within the Aboveground Storage Tank Area, the constituents of concern for the two areas were combined and the two areas were investigated as one area.

The Aboveground Storage Tank Area and the Suspect Tank Sludge Burial Sites / Black Tar is located in the southern central portion of OU 1 (Figure 1-3). The area is located east of Centennial Avenue, north of Derussy Road, south of Magnolia Road, and west of the Burlington Northern Railroad. The area is grass covered with berms present around the three ASTs. Drainage outside of the bermed area flows southward to Derussy Ditch.

Unconsolidated materials are characterized by topsoil and fill materials underlain by silty clay, clayey silt, clayey gravel, and sandy clayey silt. Thicknesses of unconsolidated materials as measured during the 1999 SI ranged from 13.1 to 20.8 feet. Maximum thickness was observed in the central and southern portions. Fill materials consist mostly of silty clay, gravel, and shale with thicknesses ranging from 1.9 to 6.1 feet. Thickness of alluvial sediments ranges from 13.1 to 20.8 feet. Residual soils were not encountered at this site.

Unconsolidated materials are underlain by shale bedrock of the Wellington Formation. Bedrock was encountered at greater depths on the central and southeast portions of the area and the bedrock surface generally slopes to the east and southeast.

During the 1998 SI, groundwater flow directions were generally from the southwest to north and northeast. Monitoring wells were not installed at this area during the 1998 SI.

During July 2006, depth to groundwater as measured in monitoring wells near the Aboveground Storage Tank Area and the Suspect Tank Sludge Burial Sites / Black Tar area ranged from 9 to 10 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.12.2 Previous Sampling Results

For the Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites / Black Tar area, Figure 6-16 shows the previous sample locations and Table 6-17 summarizes the previous sample results from the 1996 SI and the 1998 SI. Additionally other sediment and surface water samples collected in the vicinity of the area are included on Figure 6-16 and Table 6-17. Previous investigations conducted at the Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites / Black Tar area include:

- **USACE, Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas, prepared by Rust Environment & Infrastructure, October 1996 -** During the SI, Rust collected three soil sample sets, and one sediment and surface water sample set. The soil and sediment samples were analyzed for VOCs, SVOCs, metals, TOX, pH, and TRPH. The surface water samples were analyzed for VOCs, SVOCs, metals, TOX, and water quality parameters. The only analytes detected above background soil levels were arsenic, sodium, methylene chloride, and carbon disulfide. All were detected at low levels. None of the analytes detected in the surface water sample exceeded screening levels (KDHE surface water quality standards for aquatic life) and only calcium and magnesium in the sediment exceeded background concentrations.

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998 -** Direct-push equipment was used to advance boreholes at six locations to refusal on bedrock. Groundwater samples were collected from four borings. Two borings were dry. Five sediment and surface water samples were collected (one upgradient and four downgradient) for the Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites / Black Tar area. Sediment and surface water samples were analyzed for SVOCs and inorganic constituents. No exceedances of screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs) were identified during this investigation.

6.12.3 Sampling Rationale and Approach

As petroleum hydrocarbons are specifically excluded from the CERCLA process, this area will not be investigated further under the OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume B in Section 6.5. Adequate data from previous UST investigations exists to support a remedial decision when addressing the remediation of chlorinated solvents.

6.13 FUEL TANK MAINTENANCE HANGAR AREA

6.13.1 Location and Setting

The Fuel Tank Maintenance Hangar Area lies in the southwestern portion of OU 1 (Figure 1-3). The area consists of the Fuel Tank Maintenance Hangar (Building 724), the apron area north of Building 724, the Kansas State University-Salina Aeronautical Center (Building 1245) and Building 723, located south of Beechcraft Road (Figure 6-17). The Fuel Tank Maintenance Hangar Area lies north of Beechcraft Road, south of Neeley Road, east of the north-south runway, and west of Scanlan Avenue. Building 724 is located south of the apron area and Building 1245, the KSU-Salina Aeronautical Center, is located on the north side of the apron area. The classroom portion of the Aeronautical Center is located on the west side, and the maintenance/hangar portion on the east side of the building. The maintenance/ hangar portion of the building has a ventilation system under the floor to vent VOCs detected under the building. This portion of the building was constructed on approximately 26 inches of fill to bring the building to grade. The apron area is paved. The eastern portion of the area is grass covered. The area is relatively flat and drains to the southeast into Scanlan Ditch.

Surface soil in the area was described in the 1999 RI as silty clay with some samples having a trace of fine- to coarse-grained sand and trace amounts of fine gravels. The overburden at the Fuel Tank Maintenance Hangar Area includes fill, topsoil, residuum, and alluvium. Fill and topsoil consisted of clayey silts and silty clays with varying amounts of sand and gravel in fill areas. Because of past construction activities at this area, it is assumed that much of the shallow native soil has been reworked. An olive-gray silt with clay immediately underlies the fill and topsoil. The pale-olive, clayey silt grades into a yellowish-brown, clayey silt. The depth to bedrock at Fuel Tank Maintenance Hangar Area ranges from less than 5 feet to greater than 40 feet. Residuum is more prevalent in the borings located at the southern end of the area with alluvium thicknesses increasing northward. A shale belonging to the Wellington Formation was encountered in the six bedrock borings at depths ranging from 9.9 to 28.5 feet bgs. The shale was described as olive to reddish brown with mottling, weak, and slightly to moderately weathered. Top of bedrock in this area slopes to the north.

During July 2006, depth to groundwater as measured in monitoring wells near the Fuel Tank Maintenance Hangar Area ranged from 6.5 to 10 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.13.2 Previous Sampling Results

For the Fuel Tank Maintenance Hangar Area, Figure 6-17 shows the previous sample locations and Table 6-18 summarizes the previous sample results from the 1999 RI, 2001 ESI, and the 2005 RI. Previous investigations conducted at the Fuel Tank Maintenance Hangar Area include:

- **Geotechnical Services, International Pilot Training Center, Kansas College of Technology, Salina, Kansas, May 1989 -** During construction of the Aeronautical Center, petroleum products were detected in the soil. Geotechnical Services, Inc. conducted an investigation in May 1989 to determine presence and characterize soil contamination at the facility. Eight boreholes were drilled and field screened. Drill logs indicated strong petroleum odors and the presence of free product.

- **Salina Airport Authority, Subsurface Investigation Pilot Training Center, Salina, Kansas, prepared by GeoCore Services, Inc., May 1991 -** GeoCore conducted a subsurface investigation of the Aeronautical Center in April 1991, at the request of the SAA, to determine if contaminants were present due to past site activities. Six borings were drilled and soil samples collected. Temporary wells were installed to collect groundwater samples. Laboratory analyses indicated petroleum hydrocarbon and VOC contamination of soil and groundwater. Detections included TCE, DCE, and benzene.

- **USACE, Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas, prepared by Rust Environment & Infrastructure, October 1996 -** Four soil sample sets were collected from 0 to 2 feet bgs. The samples were analyzed for VOCs, SVOCs, TOX, TRPH, metals, and pH. Metals, TRPH, polycyclic aromatic hydrocarbons (PAHs), and methylene chloride were detected.

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999 -** Twenty-one surface soil samples were collected and analyzed for VOCs, SVOCs, total volatile petroleum hydrocarbons (TVPH), TEPH, and TAL metals. Two sediment samples and one surface water sample were collected from Scanlan Ditch and a tributary ditch and analyzed for SVOCs and TAL metals. Twenty-two direct-push boreholes were advanced for collection of subsurface soil samples, and geologic and hydrogeologic information. Subsurface soil samples were analyzed for VOCs, SVOCs, TVPH, TEPH, and TAL metals. Five temporary piezometers were installed to provide information on the direction of groundwater flow and to aid in placement of monitoring wells. Six groundwater screening samples were collected for on-site analysis of benzene, TCE, and DCE. These samples were collected from the portion of the Fuel Tank Maintenance Hangar Area located north of Beechcraft Road.

  Results of the Stage I investigation indicated elevated levels of VOCs and hydrocarbons were present in a large portion of the area investigated. Twenty-one additional direct-push boreholes were advanced within and in close proximity to the area. The upper four feet of each boring were not

sampled for chemical analysis based on results of the Stage I sampling. Soil samples from these borings were analyzed for TVPH and TEPH. Twenty-one groundwater samples were collected from the boreholes for on-site analysis of benzene, TCE, and DCE. Fourteen temporary piezometers were installed during the Stage II field investigation to further define direction of groundwater flow. Eleven groundwater monitoring wells were installed in or in close proximity to Fuel Tank Maintenance Hangar Area during Stage III of the field investigation.

Upon completion of the Stage III field effort, it was determined that at Fuel Tank Maintenance Hangar Area, the elevations of the piezometric surface and the base of the drainage ditches were in close horizontal proximity. Additional surface water and sediment samples were collected from the drainage ditches and analyzed for VOCs to determine if the chemicals present in the groundwater were also present in these media. Two surface water and sediment samples were collected from Tony's Road Ditch, one surface water and one sediment sample were collected from Centennial Ditch, and two surface water and sediment samples were collected from Scanlan Ditch and analyzed at the laboratory for VOCs.

Analytes that exceeded screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs) included: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene in surface soil; petroleum hydrocarbons in surface and subsurface soil; lead and TCE in surface water; benzo(a)pyrene in sediment; and arsenic in subsurface soil.

PAHs were detected in all surface soil samples. Most PAH exceedances of screening levels were near the apron. TPH was detected in surface and subsurface soil samples. TPH detections were highest near the apron.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, subsurface soil samples were collected to determine if sources were present. Approximately 21,000 square feet of relatively low level TCE soil contamination was detected to the northeast of Building 724.

  According to the 2001 ESI, an area of exposed surface soil contamination on Raytheon property lies to the northeast of Building 724, north of Beechcraft Road. TCE was detected in two of the five samples collected in this area. Confirmation samples collected from two surface soil samples also showed the presence of TCE. Carbon tetrachloride was also detected in one sample. All surface soil sample VOC results were below screening levels (SCDM RfD/CR). SVOCs and metals were detected

in surface soil samples. Benzo(a) pyrene exceeded the screening level (SCDM RfD/CR) in one sample. Arsenic exceeded background levels in one sample.

Of the 10 soil samples collected near Building 723, TCE was detected at concentrations >2 µg/kg in samples from only one borehole, located on the northeast corner of Building 723. TCE was detected in one sample collected south of Beechcraft Road adjacent to the northeast corner of Building 723 at a concentration of 83 µg/kg. Carbon tetrachloride also was detected in this sample at a concentration of 22 µg/kg.

One surface water and sediment sample set was collected and analyzed for VOCs, SVOCs, and metals. TCE and cis-1,2-DCE were detected in the surface water sample at 5.2 and 4.3 µg/L, respectively. Acetone and 2-butanone were detected in the sediment sample below screening levels (SCDM RfD/CR). No SVOCs were detected in the surface water sample. SVOCs were detected in the sediment sample at levels less than screening levels (SCDM RfD/CR). Metals were detected in both the surface water and sediment sample with only lead detected at levels greater than the screening level (SCDN AWQC) in the surface water and beryllium detected at levels greater than the screening level (SCDN RfD/CR) in the sediment.

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- **Supplemental RI 1999 Field Work -** No surface or subsurface soil samples were collected in this area during the Phase I Field Work.

- **Supplemental RI 2003 Field Work -** Four direct-push borings were advanced along Beechcraft Road between Buildings 723 and 724. One surface soil sample was collected from each boring and analyzed for SVOCs and metals. The surface soil samples were nondetect for SVOCs with the exception of one sample whose only exceedance of screening levels (USEPA Region 9 Industrial PRGs and SSL DAF20) was benzo(a)pyrene. Metals were detected in each of the surface soil samples with only arsenic exceeding the screening level in each sample. Three subsurface soil samples were collected from each boring and analyzed for VOCs, SVOCs, and metals. The deepest soil sample from each boring was collected from the saturated zone. Of the eight vadose zone samples analyzed for VOCs, VOCs were detected in four samples. Three of the samples had low detections of TCE and cis-1,2-DCE. One sample had low levels of carbon disulfide, ethylbenzene, and xylenes. None of the VOC detections exceeded screening levels. SVOCs were detected in only one sample with only benzo(a)pyrene exceeding the screening

level. Metals were detected in each of the subsurface soil samples with only arsenic exceeding the screening levels in each sample.

- **Supplemental RI 2004 Field Work -** No surface or subsurface soil samples were collected in this area during the Phase I Field Work.

6.13.3 Sampling Rationale and Approach

The surface and subsurface soil, sediment, and surface water data present for Fuel Tank Maintenance Hangar Area are sufficient to characterize the area; therefore, no additional samples will be collected as part of the OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume B in Section 6.5.

6.14 SKEET RANGE NO. 4

6.14.1 Location and Setting

Skeet Range No. 4 is located in the northeast portion of OU 1 (Figure 1-3) and overlaps the southern portion of Landfill No. 2. Centennial Ditch is located to the east and Centennial Road to the west of the Skeet Range No. 4. Magnolia Road is south of the Skeet Range No. 4. Most of the area is currently vacant and vegetated. The area is relatively level with surface water directed northward into a small east-west swale, then eastward into Centennial Ditch.

Surface soils at Landfill No. 2 / Skeet Range No. 4 area were described in the 1999 RI as silty clays and clayey silts with a trace of fine sand and roots. Fill material was encountered during the 1999 RI in borings within or adjacent to industrial properties. The fill was described as a mixture of disturbed native soil with gravel and sand subbase and was less than 3 feet thick. The underlying alluvial material is composed of silt and clay with sand and gravel lenses.

Refusal was encountered in Boring 99B04 at 60.5 feet bgs. Top of bedrock elevation for this boring was 1,179 feet above msl. Bedrock was not logged.

During July 2006, depth to groundwater as measured in monitoring wells near the Skeet Range No. 4 ranged from 10 to 12 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.14.2 Previous Sampling Results

For Skeet Range No. 4, Figure 6-18 shows the previous sample locations and Table 6-19 summarizes the previous sample results from the 1999 RI. Previous investigations conducted at the Skeet Range No. 4 include:

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999** - Five composite surface soil and four discrete subsurface soil samples were collected during the Stage I and II field investigations at Skeet Range No. 4. All samples were analyzed for lead. Lead was detected in all samples ranging from 18.7 to 40.7 milligrams per kilogram (mg/kg) in the surface soil and 9.5 to 11.4 mg/kg in the subsurface soil.

6.14.3 Sampling Rationale and Approach

The surface and subsurface soil data present for Skeet Range No. 4 are sufficient to characterize the area; therefore, no additional samples will be collected as part of the OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume C in Section 6.5.

6.15 LANDFILL NO. 2, SUSPECT TANK SLUDGE BURIAL SITE, AND BURIED DISPOSAL VAULT

6.15.1 Location and Setting

Landfill No. 2 is located northeast portion of OU 1 (Figure 1-3). It is located east of Centennial Road and north of Magnolia Road. It is bounded by Centennial Ditch and the Burlington Northern Railroad to the east. Commerce Circle is located in the northern portion of Landfill No. 2. The Suspect Tank Sludge Burial Site consists of five suspected "fuel tank sludge" burial sites, one of which is suspected to be within Landfill No. 2 and four which are suspected to be in the Aboveground Storage Tank Area. As the Suspect Tank Sludge Burial Site lies within Landfill No. 2 and the constituents of concern for the Suspect Tank Sludge Burial Site are also constituents of concern for Landfill No. 2, these two areas are summarized together in this section. Based upon SAFB records, two buried radar tube disposal vaults were present at one time on the SAFB. The exact locations of these vaults are unknown, but one possible location for one of the vaults was in OU 1 in the southeastern portion of Landfill No. 2.

The majority of the area is grass; however, there are seven large buildings, several minor outbuildings and associated parking and streets. The majority of the buildings and streets are within the northwest portion of the area. The area is relatively level with minor depressions present, possibly indicating former landfill trench locations. Surface water drains into a small east-west drainage ditch located on the southern portion of the landfill area. Surface water flows from this ditch into Centennial Ditch and then northward to Dry Creek.

Surface soil at Landfill No. 2 was described in the 1999 RI as silty clays and clayey silts with a trace of fine sand and roots. Fill material was encountered during the 1999 RI in borings within or adjacent to industrial properties. The fill was generally a mixture of disturbed native soil with gravel and sand

subbase and was less than 3 feet thick. The underlying alluvial material is composed of silt and clay with lenses of sand and gravel.

Refusal was encountered in Boring 99B04 at 60.5 feet bgs. Top of bedrock elevation for this boring was 1,179 feet above msl. Bedrock was not logged.

During July 2006, depth to groundwater as measured in monitoring wells at Landfill No. 2 ranged from 10 to 13 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.15.2 Previous Sampling Results

Figure 6-19 shows the previous sample locations and Table 6-20 summarizes the previous sample results for Landfill No. 2 and the Suspect Tank Sludge Burial Site from the 1999 RI and 2001 ESI. Previous investigations conducted at Landfill No. 2 and the Suspect Tank Sludge Burial Site include:

- **USACE, Final Site Investigation Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas, prepared by Rust Environment & Infrastructure, October 1996 -** During the SI, Rust installed and sampled four monitoring wells for VOCs, SVOCs, inorganics, and glycol. Four temporary sample points were also installed and groundwater sampled for VOCs and SVOCs. One soil sample set was collected from the downgradient boring and analyzed for VOCs, SVOCs, metals, TOX, and pH. Mercury, bis(2-ethylhexyl)phthalate, and TCE were detected in groundwater at levels exceeding MCLs. Acetone and methylene chloride were considered to have been laboratory contaminants.

- **Terracon Environmental, Inc., Phase II Geoprobe® Site Assessment, Proposed Lawrence Paper Company Site, 1648 W. Magnolia Road, Salina, Kansas, March 1997 -** For a Phase II assessment, Terracon Environmental, Inc. advanced four direct-push borings around the warehouse located south of Landfill No. 2. Two soil samples and two groundwater samples, one each from the borings east and southeast of the warehouse, were collected and analyzed for total extractable petroleum hydrocarbons (TEPH), VOCs, polychlorinated biphenyls (PCBs), and metals (soil only). TEPH was detected in one soil sample and TCE was detected in both groundwater samples at concentrations of 8.4 and 6.6 µg/L.

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998 -** An electromagnetic conductivity survey was conducted in the general Landfill No. 2 area to determine whether any large underground objects were present or whether soil

disturbance was present at depth. No indication of buried concrete or other materials were observed at the Buried Disposal Vault area.

- **USACE, Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1999 -** Samples were collected from surface soil (19 samples), surface water (4 samples), sediment (4 samples), and groundwater (6 samples) at Landfill No. 2 and Suspect Tank Sludge Burial Site. Samples were analyzed for VOCs, SVOCs, metals, tetra ethyl lead (water only), herbicides, and pesticides. VOCs were detected in both surface water and groundwater media. Screening level exceedances (USEPA Region 3 RBCs and USEPA Region 9 PRGs) at Landfill No. 2 included: TCE in groundwater; TCE, bis(2-ethylhexyl)phthalate, pentachlorophenol, and beryllium in surface water; and benzo(a)pyrene and dichlorodiphenyl-dichloroethane (4,4'-DDD) in sediment.

  Surface water detections that exceeded screening levels (Kansas Water Quality Criteria) included bis(2-ethylhexyl)phthalate, pentachlorophenol, and beryllium. bis(2-Ethylhexyl)phthalate and pentachlorophenol were detected in Centennial Ditch, downgradient from both the area and the confluence with Tony's Road Ditch. Other samples collected from Centennial Ditch that were downgradient of Landfill No. 2, but upgradient of the confluence with Tony's Road Ditch, did not contain pentachlorophenol or bis(2-ethylhexyl)phthalate which indicated that the chemicals probably did not originate from the Landfill No. 2. Beryllium concentrations in Centennial Ditch were greater in samples collected upgradient from the landfill, indicating an upgradient source.

  Detections in sediment that exceeded screening levels (USEPA Region 3 RBCs and USEPA Region 9 PRGs) included benzo(a)pyrene and 4,4'-DDD. Benzo(a)pyrene was not detected in the sediment samples collected immediately upstream and downstream from Landfill No. 2. The source of the benzo(a)pyrene detected in sediment samples from Centennial Ditch is unknown. 4,4'-DDD was detected in a sediment sample collected downgradient from both Landfill No. 2 and the confluence with Tony's Road Ditch. Other samples collected from Centennial Ditch that were downgradient of Landfill No. 2, but upgradient of the confluence with Tony's Road Ditch, did not contain 4,4'-DDD.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** For the 2001 ESI, seven surface soil samples were collected and analyzed for SVOCs, metals, PCBs, and dioxin. SVOCs were found in exceedance of screening levels (SCDM RfD/CR) in only one sample. No metals were detected at levels exceeding screening levels (SCDM RfD/CR).

Five surface soil samples were nondetect for PCBs and two had detections. Dioxin results ranged from nondetect to 0.37 nanograms per kilogram (ng/kg).

One surface water sample and two sediment samples were collected and analyzed for VOCs, SVOCs, and metals. One sediment and surface water sample set was also analyzed for PCBs and dioxins. VOCs were detected in the surface water and sediment samples but at less than screening levels (SCDM AWQC and RfD/CR). SVOCs were not detected in surface water. SVOCs were detected in the sediment samples but at levels less than screening levels (SCDM RfD/CR). Metals were detected in the surface water and sediment but only lead was detected at levels greater than the screening level (SCDM AWQC) in the surface water and beryllium in sediment (SCDM RfD/CR). Dioxin was not detected in surface water but was detected in the sediment sample at levels less than the screening level (SCDM RfD/CR). PCBs were not detected in the surface water but were detected in the sediment at levels greater than the screening level (SCDM RfD/CR).

- **Cooper Cameron Corporation, Limited Phase 2 Environmental Site Assessment (ESA), Lawrence Paper Company Property, 1648 West Magnolia Road, Salina, Kansas, prepared by Camp, Dresser and McKee Inc., July 2003 -** Camp, Dresser and McKee Inc. conducted a limited Phase 2 ESA at 1648 West Magnolia Road in Salina, Kansas for the Cooper Cameron Corporation. In May 2003, 17 soil samples were collected from 13 locations and five groundwater samples were collected from five locations. Of these, 15 soil samples from 12 locations and four groundwater samples from four locations were collected from the former landfill area. The samples collected from the landfill area were analyzed for VOCs, TPH, SVOCs, pesticides, PCBs, dioxins/furans, metals, and gross alpha and beta activities. In June 2003, ten soil samples were collected from ten locations and three groundwater samples were collected from three locations of which three soil samples and three groundwater samples were collected south of the former landfill area. The soil samples were analyzed for VOCs, SVOCs, metals, and dioxins/furans. The groundwater samples were analyzed for VOCs only. Sample results were screened against KDHE Tier 2 risk-based industrial standards. Exceedances of the screening levels occurred in four of the twelve soil samples. The constituents with exceedances in soil included TPH, SVOCs, and dioxins/furans. One groundwater sample exceeded MCLs for TCE.

- **USACE, Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas, September 2005 -** No additional sediment, surface water, surface soil, or subsurface soil samples were collected. Six additional groundwater screening samples were collected east of Landfill No. 2 to better define the extent of groundwater contamination. Groundwater samples were

collected in 2003 from Monitoring Wells 02M45 and 02M46; and in 2004 from Monitoring Wells 02W05 through 02W08, 02M45, and 02M46 and analyzed for VOCs as part of the groundwater investigation and are discussed in Section 6.5 Groundwater.

6.15.3 Sampling Rationale and Approach

The surface and subsurface soil, sediment, and surface water data present for Landfill No. 2 and the Suspect Tank Sludge Burial Site are sufficient to characterize the area; therefore, no additional samples will be collected as part of this OU 1 RI Addendum/FS. Additionally as no indication of buried concrete or other materials were observed at the Buried Disposal Vault area during the 1998 SI, no additional work is proposed for this area. Chlorinated VOCs within the groundwater are discussed as part of Plume C in Section 6.5.

6.16 SKEET AND TRAP RANGE NO. 2

6.16.1 Location and Setting

The Skeet and Trap Range No. 2 is a former skeet and trap range located in the northern portion of the OU 1. The Skeet and Trap Range No. 2 lies between Tony's Road to the north, an unnamed street to the south, the runway apron to the west and Centennial Road to the east. It is a semicircular area with a radius of approximately 900 feet.

There are four buildings and a sports field within the Skeet and Trap Range No. 2. The parcel upon which the buildings and sports field is located is owned by the Kansas Board of Regents. The concrete runway apron for Taxiway G currently covers the western portion of the area. The area is mainly grass covered with some areas covered by buildings, roads, and paved/graveled parking areas. The area drains to northward draining swales that empty into Tony’s Road Ditch. Tony’s Road Ditch is along the northern edge of the Skeet and Trap Range No. 2 and may intercept bedrock. Water is present in the ditch throughout the year.

Skeet and Trap Range No. 2 is a relatively flat area characterized by topsoil and fill materials underlain by silty clay, clayey silt and sandy clayey silt. Fill materials consist mostly of silty clay with thicknesses ranging from 1.5 to more than 5.0 feet. Below the unconsolidated material is shale bedrock of the Wellington Formation which was encountered at 23.7 feet bgs in the central portion of Skeet and Trap Range No. 2 during the 1998 SI.

During July 2006, depth to groundwater as measured in monitoring wells near Skeet and Trap Range No. 2 ranged from 7 to 12 feet bgs. The groundwater gradient was to the northeast (Figure 2-5).

6.16.2 Previous Sampling Results

Figure 6-20 shows the previous sample locations and Table 6-21 summarizes the previous sample results for Skeet and Trap Range No. 2 from the 1998 SI and the 2001 ESI. Previous investigations conducted at the Skeet and Trap Range No. 2 area include:

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998 -** Fourteen composite surface soil samples were collected at Skeet and Trap Range No. 2 for lead analysis. Subsurface soil samples were collected from 1.0 to 5.0 feet bgs from fourteen borings and analyzed for lead. Lead was detected in all samples ranging from 18 to 177 mg/kg.

- **USEPA Region 7 Superfund Division, Expanded Site Investigation for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922, prepared by Ecology and Environment, March 2001 -** During the 2001 ESI, six surface soil samples were collected from Skeet and Trap Range No. 2 and analyzed for SVOCs and metals. SVOCs and metals were detected in the surface soil samples. No metals were detected at levels greater than screening levels (SCDM RfD/CR). Benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, indo(1,2,3-cd)pyrene, and dibenz(a,h)anthracene were detected at levels greater than screening levels (SCDM RfD/CR).

  One surface water and sediment sample set was collected and analyzed for VOCs, SVOCs, and metals. VOCs and SVOCs were not detected in the surface water. Metals were detected in the surface water with lead and mercury detected at levels grater than screening levels (SCDM AWQC). VOCs and SVOCs were detected in the sediment but at levels less than the screening levels (SCDM RfD/CR). Metals were detected in the sediment with only beryllium detected at levels greater than the screening levels (SCDM RfD/CR).

6.16.3 Sampling Rationale and Approach

The surface and subsurface soil, sediment, and surface water data present for Skeet and Trap Range No. 2 are sufficient to characterize the area; therefore, no additional samples will be collected as part of the OU 1 RI Addendum/FS. Chlorinated VOCs within the groundwater are discussed as part of Plume C in Section 6.5.

6.17 FORMER PUMPHOUSES NOs. 4, 5, 6, AND 7

6.17.1 Location and Setting

Former Pumphouses Nos. 4, 5, 6, and 7 are located in the northwest portion of OU 1 (Figure 1-3). They are located in the apron area west of Hein Avenue, west of Taxiway G, east of Taxiway A(2), and east of the north/south runway. They lie in a north/south line with former Pumphouse No. 4 as the most southern pumphouse of this group and former Pumphouse No. 7 as the most northern. The pump houses areas are located within grassed areas in the concrete apron area. The areas are relatively flat. Drainage is internal into stormwater sewer drains.

The Former Pumphouse Nos. 4, 5, 6, and 7 areas are characterized by topsoil or pavement underlain by fill materials; and alluvial silty clay, clayey silt, and clayey sand/gravel. For Former Pumphouse Nos. 4, 5, and 6, the maximum thickness of unconsolidated materials penetrated was 19.0 feet, 18.0, and 22.0 feet respectively. Bedrock was not encountered in these areas. For Former Pumphoue No. 7, the maximum thickness of unconsolidated materials penetrated was 21.0 feet. In the central and eastern portions of the Former Pumphouse No. 7 area, bedrock ranged between 14.5 to 19.7 feet bgs and consisted of grey, weathered, soft shale of the Wellington Formation.

Depth to groundwater as measured during the 2004 field investigation for the 2005 RI was approximately 6 feet bgs. The groundwater gradient was to the east.

6.17.2 Previous Sampling Results

For the Former Pumphouses Nos. 4, 5, 6, and 7, Figure 6-21 shows the previous sample locations and Table 6-22 summarizes the previous sample results from the 1998 SI. Previous investigations conducted at the Former Pumphouses Nos. 4, 5, 6, and 7 include:

- **USACE, Environmental Investigation Report for the Aircraft Hydrant Fueling System, Former Schilling Air Force Base, Salina, Kansas, prepared by Burns & McDonnell, February 1995 -** An investigation of the fuel hydrant system was conducted in 1994. Soil samples indicated the presence of diesel range organics, toluene, ethylbenzene, and xylenes. In 1995, the USTs were removed and the transfer piping was disconnected from each pumphouse and abandoned (purged and cleaned) in place. The hydrants were also removed or abandoned in place in 1995.

- **USACE, Construction Notebook, UST Removal Project - Phases III/IIIA/IV (Former Schilling Air Force Base), Salina Municipal Airport, Salina, Kansas, Vol. 1, prepared by IT Corporation, December 1995 -**

- **Former Pumphouse No. 4** - At the time of removal, three USTs contained over 1,000 gallons of a fuel/water mixture while the others contained water. During the excavation, fuel-related contaminants were observed in soils above and below the USTs. Soils with contaminants above Kansas Action Levels (KALs) were landfarmed at SMA. Approximately 17,800 cubic yards of soil were removed. Groundwater encountered during tank excavation was sampled and analyzed for BTEX. Total BTEX of 3.7 µg/L was detected in the groundwater sample.

- **Former Pumphouse No. 5** - At the time of removal, four USTs contained over 1,500 gallons of a fuel/water mixture while the others contained water or were empty. During the excavation, fuel-related contaminants were observed in soils above and below the USTs. Approximately 12,600 cubic yards of soil with contaminants above KALs were removed and landfarmed at the SMA. Samples were taken from groundwater that accumulated within the excavation.

- **Former Pumphouse No. 6 -** At the time of removal, the USTs were empty except for the overflow tank, which contained approximately 1,000 gallons of water. Fuel-related contaminants were observed in soils above and below the USTs. Soils with contaminants above KALs were landfarmed at SMA. Approximately 16,900 cubic yards of soil were removed. Samples were taken from groundwater within the excavation. They indicated the presence of BTEX and 1,2-DCA.

- **Former Pumphouse No. 7** - At the time of removal, two of the USTs contained a fertilizer/water mixture and the remaining USTs contained water or were empty. Fuel-related contaminants were observed in soils above and below the USTs. Soils with contaminants above the KALs were landfarmed at SMA. Approximately 12,400 cubic yards of soil were removed. Samples were taken from groundwater that accumulated within the excavation. They indicated the presence of BTEX and 1,2-DCA.

- **USACE, Kansas City District, Site Investigation at the Former Schilling Air Force Base, Salina, Kansas, December 1998** - Four direct-push borings were advanced around each excavation. Soil and groundwater samples were collected from the four boreholes and field screened for BTEX and 1,2-DCA. One soil and one groundwater sample from each area was analyzed for BTEX and 1,2-DCA at an analytical laboratory. At Former Pumphouse No. 4, four temporary piezometers and at Former Pumphouse Nos. 5, 6, and 7, three temporary piezometers each were installed in additional boreholes placed further out from the excavation. Groundwater samples were collected from all the temporary piezometers and field screened for BTEX and 1,2-DCA. BTEX and 1,2 DCA were detected in the

groundwater and soil. No screening level exceedances were identified for Former Pumphouse Nos.4 and 5. For Former Pumphouse No.6, the benzene was detected at concentrations exceeding the 1994 KDHE UST Remedial Levels and was retained as a COPC. For Former Pumphouse No.7, screening indicated gasoline and related miscellaneous hydrocarbons were detected in the surface soils at concentrations at or below the 1994 KDHE UST Remedial Levels. Ethylbenzene and xylenes were detected in surface soils exceeding the 1994 KDHE UST Remedial Levels.

- **USACE, Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansas, September 2005** - Samples were collected from Monitoring Wells 33M09, 35M08 and 36M08 in 2004 and analyzed for selected VOCs to confirm the reduction of BTEX in groundwater and to obtain closure. Groundwater samples from Monitoring Wells 33M09 and 36M08 were nondetect. The groundwater samples from Monitoring Well 35M08 had a very low detection of 1-(methylethyl)benzene.

6.17.3 Sampling Rationale and Approach

As petroleum hydrocarbons are specifically excluded from the CERCLA process, this area will not be investigated further under this OU 1 RI Addendum/FS. Adequate data from previous UST investigations exists to support a remedial decision when addressing the remediation of chlorinated solvents.

* * * * *

7.0 SCHEDULE

A schedule of activities discussed within this Work Plan has been prepared and is provided as Figure 7-1.

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8.0 PROJECT MANAGEMENT

8.1 PROJECT ORGANIZATION

This section describes key project organizations and personnel. Figure 8-1 provides an organization chart showing key personnel and lines of authority.

8.1.1 U. S. Army Corps of Engineers

Ms. Robyn Kiefer is the CENWK Project Manager for this project and will serve as the primary point of contact for all project-related questions.

8.1.2 Malcolm Pirnie, Inc.

MP has overall responsibility for the project to the CENWK, and will act as the program administrator and provide independent QC of all submittals. Mr. John Logigian is the MP Program Manager; however, the BMcD field team will coordinate all field activities with the BMcD Project Manager.

8.1.3 Burns & McDonnell Engineering Company, Inc.

8.1.3.1 Project Manager

Mr. Tracy Cooley will serve as the BMcD Project Manager. Mr. Cooley will be responsible for complete coordination of the work, including adequate internal controls and review procedures to eliminate conflicts and errors, and to verify technical accuracy. In addition, Mr. Cooley is responsible for overseeing activities involving sampling and performance of audits.

8.1.3.2 Field Site Manager

The Field Site Manager (FSM) will be identified prior to the start of field activities. The FSM is responsible for supervising all field investigation activities. The FSM reports directly to the Project Manager. The FSM will have direct responsibility for field activities and for continued daily adherence to the quality standards set forth in the RI/FS FSP and the QAPP.

8.1.3.3 Project Safety and Health Manager

Mr. Eric Wenger will serve as the Project Safety and Health Manager for this project. Mr. Wenger is a Certified Industrial Hygienist who will provide professional support by reviewing all health and safety programs as they apply to this project. The Project Safety and Health Manager will approve the RI/FS AAP and all modifications to the plan as they affect the health and safety of field personnel. The Project Safety and Health Manager is responsible for providing professional health and safety support and oversight management to the site health and safety supervisor (SHSS). The Project Safety and Health

Manager will review and provide support in all concerns regarding the health and safety of field personnel assigned to this project. Periodic field audits of the project work site may be conducted by the Project Safety and Health Manager to evaluate the adequacy of the program and implement any necessary changes.

8.1.3.4 Site Health and Safety Supervisor

A SHSS will be identified prior to the start of field activities. Responsibilities of the SHSS are discussed fully in Section 4.1.2 of the APP. The SHSS will be responsible for decisions regarding the immediate safety of investigation personnel, and will report to the HSM, FSM, and Project Manager.

The SHSS is responsible for overseeing personnel on the site, maintaining proper medical surveillance, providing hazard communication information, training employees in safe operating procedures, and advising the HSM and Project Manager on matters concerning the health and safety of employees or the public. The SHSS may be required to perform various types of area or personnel monitoring to verify worker exposure and ensure the proper selection of personal protective equipment. The SHSS should be consulted before any changes in the recommended procedures or levels of protective clothing are made.

8.1.3.5 Quality Control Coordinator

The QC Coordinator serves as the senior reviewer, providing technical quality control, oversight, and direction for all aspects of the planning, execution, analyses, and reporting of the RI/FS at the site. The QC Coordinator, Ms. Sharon Shelton has ultimate authority and responsibility to verify that the analyses specified and procedures established by BMcD for the RI/FS satisfy the DQOs discussed in Section 4.0.

8.1.3.6 Project Chemist

The BMcD Project Chemist oversees the activities involving the field procedures for chemical samples, laboratory analyses, chemical sample documentation procedures, and tracking of chemical samples. The chemist also coordinates data validation of analytical laboratory deliverables. Ms. Shauna Lawrence will serve as the Project Chemist for the OU 1 RI Addendum/FS activities.

The project chemist often serves as the point-of-contact for subcontracted analytical laboratories with responsibilities as described below:

- Verify appropriate analyses to achieve project DQOs
- Estimate costs for analytical services for any subcontracted lab services
- Prepare purchase orders/authorizations for any subcontracted lab services
- Schedule analytical services and order adequate/appropriate sample containers

- Confirm sample receipt and laboratory log-in
- Answer questions from the laboratory concerning sample anomalies and coordinate resolution of data evaluation issues between Malcolm Pirnie/BMcD and the laboratory
- Track the receipt of deliverables
- Inform the QC Director and BMcD Project Manager of the project status and any potential lab problems that may jeopardize the quality of project data

8.1.3.7 Project Team

The Malcolm Pirnie/BMcD Project Team will be experienced in site investigations and will have shown technical proficiency in their respective professional areas of expertise. They will be familiar with internal review processes and specific details for this project. Members of the Malcolm Pirnie/BMcD Project Team are responsible for conducting project work in the field or in the office. Their responsibilities include:

- Preparing planning documents and reports
- Conducting field work
- Reporting progress and problems to the BMcD Project Manager
- Implementing and/or recommending corrective actions regarding project activities to the BMcD Project Manager
- Reviewing and correcting their own work prior to submittal to the Project Manager

The members of the Malcolm Pirnie/BMcD Project Team have the authority to take the following actions:

- Require or perform "on-the-spot" corrections of deficiencies found during project execution
- Implement and/or recommend corrective actions regarding project activities to the BMcD Project Manager

8.1.4 Subcontractors

8.1.4.1 Analytical Laboratory

AML is the primary analytical laboratory for analyze of soil and water samples for VOCs, SVOCs, metals, and natural attenuation parameters. AML is validated by the USACE and certified by the state of Kansas. AML will be contracted by BMcD. The address and contact for AML is:

Analytical Management Laboratories, Inc.
15130 South Keeler St, Suite B
Olathe, KS 66062-2760
Point of Contact: Dr. Tenkasi Viswanathan (913-829-0101)

8.1.4.2 Direct Push Contractor

Environmental Priority Service, Inc. (EPS) is the primary direct push contractor. EPS will collect soil and water samples using a van or truck mounted direct push rig. EPS will also analyzed selected samples on site for selected VOCs. The address and contact for EPS is:

Environmental Priority Service, Inc.
7193 East Benfield Road
Salina, KS 67401-9667
Point of Contact: Pat Martin (785-823-6205)

8.1.4.3 Drilling and Monitoring Well Installation Contractor

GeoCore is the primary contractor for drilling and monitoring well installation. GeoCore will conduct drilling activities, collect geotechnical samples, and install and develop monitoring wells. The address and contact for GeoCore is:

GeoCore, Inc.
2775 Arnold Avenue, Suite D
Salina, KS 67402-0386
Point of Contact: Dale Robl (785-826-1616)

8.1.4.4 Surveyor

Carlson-Baughman is the primary contractor for surveying activities. Carlson-Baughman is a register land surveyor in Kansas and will survey sample and monitoring wells locations and elevations. The address and contact for Carlson-Baughman is:

Carlson-Baughman
1506 Vine Street
Hays, Kansas 67601
Point of Contact: Mark Carlson (785-628-3219)

8.2 TEAM MEETINGS AND REPORTING

8.2.1 Daily Quality Control Reports

The FSM will be responsible for ensuring that the SAFB sampling team record daily activities on the standard daily quality control report (DQCR) form. A DQCR will be submitted on each day of field activities. Chain of Custody (COC) Forms will be submitted on each day of sampling. The DQCR will be completed daily and submitted in draft form to the BMcD Project Manager no later than 0800 on the

day following the fieldwork. The BMcD Project Manager will review the document, and then forward it on to MP and the CENWK Project Manager for review. The reports will be reviewed by MP and CENWK. Comments will be provided as appropriate to the BMcD Project Manager within 24 hours of submittal or the next business day. BMcD will correct the reports in accordance with the comments. A copy of the DQCR form is included in the FSP.

8.2.2 Monthly Progress Reports

BMcD will submit a progress report each month to the CENWK Project Manager. These progress reports will be submitted by the 15th of each month and will include the following information:

- Progress made during the reporting period
- Problem areas and recommended solutions (or outstanding issues)
- Any corrective actions undertaken and their effects
- Key personnel changes
- All significant phone conversations that involve major project decisions, including those in which CENWK participates
- Anticipated activities for the next reporting period
- Updated schedule

8.2.3 Team Meetings

Routine Project Team meetings will be held in the field and in the office during the duration of the project to discuss project activities, progress, and schedule.

The Project Manager will hold a project kick-off meeting for the Project Team. In the kick-off meeting, the following items, as applicable, will be discussed:

- Specific responsibilities and/or tasks of each Project Team member
- Project schedules and budgets
- General review and overview of applicable site plan documents
- Planned field activities
- Planned office activities
- Internal reporting requirements
- Review assignments
- Required forms
- Required project submittals
- Standard format of project documents

The Project Manager will hold routine project status meetings in the office as necessary following the project kick-off meeting, during field work activities, and during data evaluation and report preparation stages of the project.

The FSM will be responsible for holding project meetings with the Project Team and subcontractors prior to initiation of field work. These meetings, at a minimum, will address the following items:

- Scheduled activities and assigned personnel
- Health and safety issues associated with scheduled activities
- Problems/deficiencies noted in previous field activities and how they will be corrected
- Any other information pertinent to field or project activities

The FSM will document all field Project Team meetings and persons who attended on the DQCRs.

8.3 REVIEWS AND CORRECTIVE ACTIONS

8.3.1 Field Reviews

Reviews may be a part of the Project Manager's overall project plan for the project. Reviews during field activities may be conducted by a member of the Project Team, FSM, and/or the SHSS and may include the following items:

- Daily reviews of field documentation
- Daily reviews of field activities and procedures
- Daily reviews of health and safety procedures

The FSM will also review field procedures at the beginning of each new field activity. The FSM will document all field reviews and corrective actions and provide the documentation to the Project Manager.

8.3.2 Office Reviews

The Project Chemist will review the COC documents for samples sent to the analytical laboratory to ensure completeness and accuracy (e.g. proper sample names and analysis, site locations and other applicable information). The COCs will also be checked to ensure that the necessary QC samples, if any, were collected. The Project Chemist will maintain close and continuous contact with the laboratory project manager to verify receipt of samples, timely analysis, appropriate sample batching, and receipt of correct documentation. The Project Chemist will also review analytical data from the laboratory to ensure that data packages are complete.

8.3.3 Report Reviews

Office reviews of reports by Project Team members will be conducted prior to submitting the report to the CENWK. Office reviews of analytical data will be conducted as described in the OU 1 RI Addendum/FS QAPP.

8.3.4 Corrective Actions

Upon completion of any type of review by the Project Manager, a Project Team member (e.g., the FSM) or other reviewer will provide immediate feedback regarding results of the review to the Project Team members. To effectively communicate results of reviews, meetings will be held as necessary between reviewers and the Project Team. These meetings will also be used to explore the most effective ways to improve quality of work products. Project Team members and the Project Manager will then incorporate necessary corrective actions to improve quality of work products.

* * * * *

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Tables

Table 2-1
Chronology of Environmental Investigations at OU 1
Former Schilling Air Force Base
Salina, Kansas

Investigation Name / Document	Field Dates	Areas Investigated	Field Activities Conducted
Geotechnical Services, **Site Investigation**, International Pilot Training Center, Kansas College of Technology, Salina, Kansas (May 1989)	May 1989	Fuel Tank Maintenance Hangar Area	Subsurface soil sampling.
Salina Public Schools, USD 305, **Initial Site Investigation** of Fuel Contaminated Groundwater for Salina Public Schools, USD No. 305, Vo-Tech Diesel Mechanics Building. Prepared by J. C. Butler Associates, Inc. (October 1989)	1989	Former Base Motor Pool	Installation of piezometers and sampling of groundwater.
Salina Airport Authority, **Subsurface Investigation**, International Pilot Training Center, Kansas College of Technology, Salina, Kansas. Prepared by GeoCore Services, Inc. (May 1991)	April 1991	Fuel Tank Maintenance Hangar Area	Temporary well point installation, groundwater sampling, and abandonment; soil sampling.
USACE, **Laboratory Report**, Fueling Pump House No. 3. Prepared by Plains Environmental Services (May 1993)	March 1993	Former Pumphouse No. 3	Soil and groundwater sampling
Salina Airport Authority, **Subsurface Investigation**, Intersection of Centennial & Magnolia Roads, Salina, Kansas. Prepared by GeoCore Services, Inc. (June 1993)	June 1993	Groundwater	Installation of temporary monitoring wells and groundwater sampling.
KDHE, **Buried Tank Leak Assessment**, Site No. 05085, Pumphouse No. 3 (July 1994)	July 1994	Former Pumphouse No. 3	Groundwater sampling
Salina Airport Authority, **Phase II Environmental Site Investigation**, Centennial, Salina, Kansas. Prepared by GeoCore Services, Inc. (December 1994)	December 1994	Sewage Treatment Plant and Landfill	Monitoring well installation, development, and groundwater sampling.
USACE, **Environmental Investigation** Report for the Aircraft Hydrant Fueling System, Former SAFB, Salina, Kansas. Prepared by Burns & McDonnell (February 1995)	1994	Former Pumphouses Nos. 4, 5, 6, and 7	Soil sampling.
Salina Airport Authority, **Phase II Environmental Site Investigation**, Arnold, Salina, Kansas. Prepared by GeoCore Services, Inc. (April 1995)	March - April, 1995	Former Pumphouse No. 3	Monitoring well installation, development, and groundwater sampling.
USACE, Construction Notebook, UST Removal Project - Phases III/IIIA/IV (Former SAFB), Salina Municipal Airport, Salina, Kansas, Vol. 1. Prepared by IT Corporation (December 1995)	August 1994	Former Pumphouse No. 3, Former Pumphouses Nos. 4, 5, 6, and 7	Groundwater sampling.

Table 2-1
Chronology of Environmental Investigations at OU 1
Former Schilling Air Force Base
Salina, Kansas

Investigation Name / Document	Field Dates	Areas Investigated	Field Activities Conducted
KDHE, **Preliminary Assessment/ Screening Site Inspection**, Magnolia and Centennial Roads Site, Salina, Kansas (May 1996)	March/April 1996	Groundwater	Groundwater and surface water sampling.
USACE, Final **Site Investigation** Report, Site Investigation, Former Schilling Air Force Base, Salina, Kansas. Prepared by Rust Environment & Infrastructure (October 1996)	April - June, 1993 and April - September, 1994	Landfill No. 2, Aircraft Wash Area No. 1, Aboveground Storage Tank Area, Boiler Plant and Heating Oil Tank Area, Fuel Tank Maintenance Hangar Area, Jet Engine Repair Hangar, Aircraft Wash Area No. 2, Suspect Tank Sludge Burial Site	Monitoring well installation, development, sampling, and abandonment; temporary well point installation, sampling, and abandonment; surface water sampling; sediment sampling; soil sampling; and surface geophysical surveys.
Terracon Environmental, **Phase II Site Assessment**, Proposed Lawrence Paper Company Site, 1648 W. Magnolia Road, Salina, Kansas (March 1997)		Landfill No. 2, Suspect Tank Sludge Burial Site	Subsurface soil and groundwater sampling.
Salina Airport Authority, **Subsurface Investigation**, Intersection of Centennial & Magnolia Roads, Salina, Kansas. Prepared by GeoCore Services, Inc. (August 1998)	1998	Groundwater	Installation of temporary monitoring wells and groundwater sampling.
USACE, **Site Investigation** at the Former Schilling Air Force Base, Salina, Kansas (December 1998)	May - July and October - November 1996	Aboveground Storage Tank Area, Skeet and Trap Range No. 2, Suspect Tank Sludge Burial Site, Former Base Motor Pool, Buried Disposal Vault, Former Aboveground Storage Tanks, Former Pumphouses Nos. 4, 5, 6, and 7	Monitoring well installation and sampling; surface and subsurface soil sampling; sediment sampling; soil gas survey; surface and borehole geophysical investigation; borehole resistivity; aquifer testing.
USACE, **Remedial Investigation** at the Former Schilling Air Force Base, Salina, Kansas. Prepared by Burns & McDonnell (February 1999)	February 1996 - October 1997	Landfill No. 2, Aircraft Wash Area No. 1, Fuel Tank Maintenance Hangar Area, Jet Engine Repair Hangar, Aircraft Wash Area No. 2, Skeet Range No. 4, Suspect Tank Sludge Burial Site, Former Pumphouse No. 3, Groundwater, Buildings 837/847	Monitoring well installation and sampling; surface and subsurface soil sampling; sediment sampling; surface and borehole geophysical investigation; borehole resistivity; aquifer testing.
USACE, **Baseline Risk Assessment**, Addendum to the Remedial Investigation at the Former Schilling Air Force Base, Salina, Kansas. Prepared by Burns & McDonnell (February 1999)	Not Applicable	Landfill No. 2, Aircraft Wash Area No. 1, Fuel Tank Maintenance Hangar Area, Jet Engine Repair Hangar, Aircraft Wash Area No. 2, Skeet Range No. 4, Suspect Tank Sludge Burial Site, Former Pumphouse No. 3, Groundwater, Buildings 837/847	No field activities performed.
USEPA Region 7, **Expanded Site Investigation** for Schilling (EX) Air Force Base Site, Salina, Kansas, CERCLIS KS0000597922. Prepared by Ecology & Environment (March 2001)	June - August 2000	Landfill No. 2, Aircraft Wash Area No. 1, Fuel Tank Maintenance Hangar Area, Jet Engine Repair Hangar, Aircraft Wash Area No. 2, Sewage Treatment Plant and Landfill, Suspect Tank Sludge Burial Site, Former Base Motor Pool, Former Aboveground Storage Tanks, Groundwater, Building 655, Building 723, Buildings 837/847	Groundwater sampling from monitoring wells and direct-push points; sump sampling; subsurface soil sampling using direct-push; surface soil and water sampling.
USEPA Region 7**, Report for Indoor Air Quality Investigation**, Kansas State University - Salina, 2310 Centennial Road, Salina, Kansas (July 17, 2002)	May 2002	Buildings 837/847, Groundwater	Indoor air sampling.

Table 2-1
Chronology of Environmental Investigations at OU 1
Former Schilling Air Force Base
Salina, Kansas

Investigation Name / Document	Field Dates	Areas Investigated	Field Activities Conducted
Cooper Cameron Corporation, **Limited Phase 2 Environmental Site Assessment** (ESA), Lawrence Paper Company Property, 1648 West Magnolia Road, Salina, Kansas. Prepared by Camp, Dresser, and McKee, Inc. (July 2003)	May - June, 2003	Landfill No. 2, Suspect Tank Sludge Burial Site	Soil and groundwater sampling.
KDHE, **Preliminary Removal Evaluation**, Sunflower Lane Site, Salina, Saline County, Kansas, KDHE Indentification Number C5-073-71841 (December 2003)	2003	Groundwater	Groundwater sampling and surface geophysical survey.
KDHE, Letter**, Analytical Results for Indoor-Air and Sub Slab Vapor Samples** (February 16, 2005)	December 2004	Buildings 837/847 area, Groundwater	Indoor air and sub-slab air sampling.
KDHE, Letter**, Analytical Results for Indoor-Air and Sub Slab Vapor Samples** (February 22, 2005)	December 2004	Salina Area Vo-Technical School, Groundwater	Indoor air and sub-slab air sampling.
USACE, **Remedial Investigation for Operable Unit One at the Former Schilling Air Force Base, Salina, Kansa**s (September 2005)	1999, 2003-2004	Landfill No. 2, Aircraft Wash Area No. 1, Fuel Tank Maintenance Hangar Area, Jet Engine Repair Hangar, Aircraft Wash Area No. 2, Suspect Tank Sludge Burial Site, Former Base Motor Pool, Former Pumphouses Nos. 4, 5, 6, and 7, Groundwater, Building 723, Buildings 837/847	Monitoring well installation and groundwater sampling; groundwater screening; Surface and subsurface soil sampling.
KDHE, **Evaluation of Alternative Technologies to Assess Vapor Intrusion** (October 2005)	May and July 2005	Buildings 837/847area, Salina Area Vo-Technical School, Groundwater	Indoor air, outdoor air, and sub-slab air sampling and technology evaluation.
KDHE, Letter, **Analytical Results for Soil Gas and Indoor-Air Samples Collected on June 20 and 21, 2006**, August 15, 2006)	June 2006	Groundwater, Northeast of LOX Plant, Neighborhood east of I-135.	Soil gas, indoor air, and sub-slab air sampling.
KDHE, Letter, **Information on the Vapor Mitigation System Installed on June 20 & 21, 2006 at the Salina Area Vocational Technical School in Salina, Kansas**, August 15, 2006)	June 2006	Salina Area Vo-Technical School, Groundwater	Vapor mitigation system installed
HydroGeologic, **Pilot Study** (Summer 2006)	2006	Jet Engine Repair Hangar, Aircraft Wash Area No. 2, Buildings 837/847	Pilot study for in-situ remediation

Notes:

AOI – Area of Interest
CERCLIS – Comprehensive Environmental Response, Compensation and Liability Information System
ESA – Environmental Site Assessment
KDHE – Kansas Department of Health and Environment
Operational Unit – Operational Unit
PCB – Polychlorinated Biphenyls
SAFB – Schilling Air Force Base
USACE – United States Army Corps of Engineers
USD – Unified School District
USEPA – United States Environmental Protection Agency
UST – Underground Storage Tanks

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	11B01 SB 6/20/1996 1 - 5	11B02 SB 6/20/1996 1 - 5	11B05 SB 10/17/1996 1 - 2	11B05 SB 10/17/1996 12 - 14	11B05 SB 10/17/1996 5 - 7	11B05 SB 10/17/1996 8 - 10	12B01 SB 6/20/1996 1 - 5	12B02 SB 6/20/1996 1 - 5	12B03 SB 6/20/1996 1 - 5
Volatile Organic Compounds	**Units**									
1,1,2,2-Tetrachloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2,4-Trichlorobenzene	ug/kg									
1,2,4-Trimethylbenzene	ug/kg									
1,3,5-Trimethylbenzene	ug/kg									
1,4-Dichlorobenzene	ug/kg									
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	**32**	6 U	26 BU*	6 JBU*	8 BU*	13 BU*	6 U	6 U	6 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Isopropylbenzene	ug/kg									
Methylene chloride	ug/kg	**23 B**	12 BU*	**17 F**	**3 JF**	6 U	6 U	26 BU*	**22 B**	18 BU*
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Naphthalene	ug/kg									
n-Butylbenzene	ug/kg									
n-Propylbenzene	ug/kg									
p-Isopropyltoluene	ug/kg									
sec-Butylbenzene	ug/kg									
tert-Butylbenzene	ug/kg									
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl chloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylenes (total)	ug/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	12B04 SB 6/20/1996 1 - 5	12B06 SB 10/17/1996 1.6 - 3	12B06 SB 10/17/1996 5 - 7	12B07 SB 10/17/1996 2 - 3	12B07 SB 10/17/1996 5 - 7	12B07 SB 10/17/1996 9 - 11	12B08 SB 10/17/1996 13 - 15	12B08 SB 10/17/1996 5 - 7	12B08 SB 10/17/1996 9 - 11
Volatile Organic Compounds	**Units**									
1,1,2,2-Tetrachloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2,4-Trichlorobenzene	ug/kg									
1,2,4-Trimethylbenzene	ug/kg									
1,3,5-Trimethylbenzene	ug/kg									
1,4-Dichlorobenzene	ug/kg									
2-Butanone	ug/kg	6 U	6 U	**3 J**	**13**	**3 J**	6 U	6 U	**8**	**3 J**
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	**40**	10 BU*	14 BU*	**59 BF**	14 BU*	18 BU*	8 BU*	15 BU*	**21 BF**
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	**3 J**	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Chloroform	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	**6**	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Isopropylbenzene	ug/kg									
Methylene chloride	ug/kg	28 BU*	**8 F**	6 U	**4 JF**	**3 JF**	**4 JF**	**3 JF**	**4 JF**	**3 JF**
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Naphthalene	ug/kg									
n-Butylbenzene	ug/kg									
n-Propylbenzene	ug/kg									
p-Isopropyltoluene	ug/kg									
sec-Butylbenzene	ug/kg									
tert-Butylbenzene	ug/kg									
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl chloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylenes (total)	ug/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D09-005 SB 7/25/2003 5	GPS-D09-005-DL SB 7/25/2003 5	GPS-D09-014 SB 7/25/2003 14	GPS-D09-014-DL SB 7/25/2003 14	GPS-D09-014-DL3 SB 7/25/2003 14	GPS-D09-014-DL4 SB 7/25/2003 14
Volatile Organic Compounds	**Units**						
1,1,2,2-Tetrachloroethane	ug/kg	3.2 UJ	3200 R	3 UJ	160 R	1600 R	16000 R
1,1-Dichloroethene	ug/kg	**2.2 J**	5400 R	**34 J**	270 R	2700 R	27000 R
1,2,4-Trichlorobenzene	ug/kg	5.4 UJ	5400 R	5.1 UJ	270 R	2700 R	27000 R
1,2,4-Trimethylbenzene	ug/kg	3.2 R	**72000 J**	3 R	160 R	1600 R	**100000 J**
1,3,5-Trimethylbenzene	ug/kg	3.2 R	**17000 J**	3 R	**4300 J**	1600 R	16000 R
1,4-Dichlorobenzene	ug/kg	3.2 UJ	3200 R	3 UJ	160 R	1600 R	16000 R
2-Butanone	ug/kg	11 UJ	11000 R	10 UJ	530 R	5300 R	53000 R
2-Hexanone	ug/kg	11 UJ	11000 R	10 UJ	530 R	5300 R	53000 R
Acetone	ug/kg	**20 J**	11000 R	**25 J**	530 R	5300 R	53000 R
Benzene	ug/kg	3.2 UJ	3200 R	**2.3 J**	160 R	1600 R	16000 R
Bromodichloromethane	ug/kg	3.2 UJ	3200 R	3 UJ	160 R	1600 R	16000 R
Carbon disulfide	ug/kg	**3.6 J**	5400 R	**18 J**	270 R	2700 R	27000 R
Carbon tetrachloride	ug/kg	3.2 UJ	3200 R	3 UJ	160 R	1600 R	16000 R
Chloroform	ug/kg	3.2 UJ	3200 R	3 UJ	160 R	1600 R	16000 R
cis-1,2-Dichloroethene	ug/kg	5.4 R	**12000 J**	5.1 R	270 R	**23000 J**	27000 R
Ethylbenzene	ug/kg	**25 J**	3200 R	3 R	160 R	**1600 J**	16000 R
Isopropylbenzene	ug/kg	3.2 R	**4200 J**	3 R	**4400 J**	1600 R	16000 R
Methylene chloride	ug/kg	5.4 UJ	5400 R	5.1 UJ	270 R	2700 R	27000 R
m-Xylene and p-Xylene	ug/kg						
Naphthalene	ug/kg	11 R	**15000 J**	10 R	**7000 J**	5300 R	53000 R
n-Butylbenzene	ug/kg	3.2 R	**19000 J**	3 R	160 R	**12000 J**	16000 R
n-Propylbenzene	ug/kg	3.2 R	**6500 J**	3 R	**10000 J**	1600 R	16000 R
p-Isopropyltoluene	ug/kg	3.2 R	**10000 J**	3 R	160 R	**9600 J**	16000 R
sec-Butylbenzene	ug/kg	3.2 R	**7500 J**	3 R	**8200 J**	1600 R	16000 R
tert-Butylbenzene	ug/kg	**13 J**	3200 R	3 R	160 R	**1600 J**	16000 R
Tetrachloroethene	ug/kg	**17 J**	3200 R	**9.3 J**	160 R	1600 R	16000 R
Toluene	ug/kg	**18 J**	5400 R	5.1 R	**130 J**	2700 R	27000 R
trans-1,2-Dichloroethene	ug/kg	**3.9 J**	3200 R	3 R	**110 J**	1600 R	16000 R
Trichloroethene	ug/kg	3.2 R	**220000 J**	3 R	160 R	1600 R	**430000 J**
Vinyl chloride	ug/kg	**39 J**	5400 R	5.1 R	**170 J**	2700 R	27000 R
Xylenes (total)	ug/kg	11 R	**9200 J**	10 R	**4300 J**	5300 R	53000 R

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D09-214 SB 7/25/2003 14	GPS-D09-214-DL SB 7/25/2003 14	GPS-D09-214-DL3 SB 7/25/2003 14	GPS-D09-214-DL4 SB 7/25/2003 14	GPS-D10-004 SB 7/25/2003 4	GPS-D10-008 SB 7/25/2003 8
Volatile Organic Compounds	**Units**						
1,1,2,2-Tetrachloroethane	ug/kg	3.6 UJ	160 R	1600 R	16000 R	3 U	3.2 U
1,1-Dichloroethene	ug/kg	**24 J**	260 R	2600 R	26000 R	5.1 U	5.3 U
1,2,4-Trichlorobenzene	ug/kg	6.1 UJ	260 R	2600 R	26000 R	5.1 U	5.3 U
1,2,4-Trimethylbenzene	ug/kg	3.6 R	160 R	1600 R	**110000 J**	3 U	3.2 U
1,3,5-Trimethylbenzene	ug/kg	3.6 R	**3200 J**	1600 R	16000 R	3 U	3.2 U
1,4-Dichlorobenzene	ug/kg	3.6 UJ	160 R	1600 R	16000 R	3 U	3.2 U
2-Butanone	ug/kg	12 UJ	520 R	5200 R	52000 R	10 U	11 U
2-Hexanone	ug/kg	12 UJ	520 R	5200 R	52000 R	10 U	11 U
Acetone	ug/kg	**24 J**	520 R	5200 R	52000 R	50 U	11 U
Benzene	ug/kg	**2.9 J**	160 R	1600 R	16000 R	3 U	3.2 U
Bromodichloromethane	ug/kg	3.6 UJ	160 R	1600 R	16000 R	3 U	3.2 U
Carbon disulfide	ug/kg	**4.8 J**	260 R	2600 R	26000 R	5.1 U	5.3 U
Carbon tetrachloride	ug/kg	3.6 UJ	160 R	1600 R	16000 R	3 U	3.2 U
Chloroform	ug/kg	3.6 UJ	160 R	1600 R	16000 R	3 U	3.2 U
cis-1,2-Dichloroethene	ug/kg	6.1 R	260 R	**30000 J**	26000 R	5.1 U	5.3 U
Ethylbenzene	ug/kg	3.6 R	160 R	**1900 J**	16000 R	3 U	3.2 U
Isopropylbenzene	ug/kg	3.6 R	**5300 J**	1600 R	16000 R	3 U	3.2 U
Methylene chloride	ug/kg	6.1 UJ	260 R	2600 R	26000 R	5.1 U	5.3 U
m-Xylene and p-Xylene	ug/kg						
Naphthalene	ug/kg	12 R	520 R	**9300 J**	52000 R	10 U	11 U
n-Butylbenzene	ug/kg	3.6 R	160 R	**13000 J**	16000 R	3 U	3.2 U
n-Propylbenzene	ug/kg	3.6 R	160 R	**11000 J**	16000 R	3 U	3.2 U
p-Isopropyltoluene	ug/kg	3.6 R	160 R	**11000 J**	16000 R	3 U	3.2 U
sec-Butylbenzene	ug/kg	3.6 R	**9500 J**	1600 R	16000 R	3 U	3.2 U
tert-Butylbenzene	ug/kg	3.6 R	160 R	**1700 J**	16000 R	3 U	3.2 U
Tetrachloroethene	ug/kg	**9.3 J**	160 R	1600 R	16000 R	3 U	3.2 U
Toluene	ug/kg	6.1 R	**160 J**	2600 R	26000 R	5.1 U	5.3 U
trans-1,2-Dichloroethene	ug/kg	3.6 R	**130 J**	1600 R	16000 R	3 U	3.2 U
Trichloroethene	ug/kg	3.6 R	160 R	1600 R	**530000 J**	3 U	3.2 U
Vinyl chloride	ug/kg	6.1 R	**230 J**	2600 R	26000 R	5.1 U	5.3 U
Xylenes (total)	ug/kg	12 R	**4500 J**	5200 R	52000 R	10 U	11 U

Notes:
Bold indicates that compound was detected.
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SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D11-005 SB 7/25/2003 5	GPS-D12-005 SB 7/25/2003 5	PSS-D01-001 SB 5/4/2004 1	PSS-D02-001 SB 5/4/2004 1	PSS-D03-001 SB 5/4/2004 1	PSS-D04-001 SB 5/4/2004 1	PSS-D04-001-201 SB 5/4/2004 1
Volatile Organic Compounds	**Units**							
1,1,2,2-Tetrachloroethane	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
1,1-Dichloroethene	ug/kg	5.1 U	**1.5 J**	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
1,2,4-Trichlorobenzene	ug/kg	5.1 U	5.4 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
1,2,4-Trimethylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
1,3,5-Trimethylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
1,4-Dichlorobenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
2-Butanone	ug/kg	10 U	11 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
2-Hexanone	ug/kg	10 U	11 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Acetone	ug/kg	**30**	11 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Benzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Bromodichloromethane	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Carbon disulfide	ug/kg	5.1 U	5.4 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Carbon tetrachloride	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Chloroform	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
cis-1,2-Dichloroethene	ug/kg	**7.7**	**160**	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Ethylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Isopropylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Methylene chloride	ug/kg	5.1 U	5.4 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
m-Xylene and p-Xylene	ug/kg			8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Naphthalene	ug/kg	10 U	11 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
n-Butylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
n-Propylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
p-Isopropyltoluene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
sec-Butylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
tert-Butylbenzene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Tetrachloroethene	ug/kg	3.1 U	3.2 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Toluene	ug/kg	5.1 U	5.4 U	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
trans-1,2-Dichloroethene	ug/kg	3.1 U	**12**	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Trichloroethene	ug/kg	**82**	**36**	8.76 U	**1.14 J**	8.22 U	**1.16 J**	**1.09 J**
Vinyl chloride	ug/kg	5.1 U	**14**	8.76 U	8.80 U	8.22 U	9.32 U	10.28 U
Xylenes (total)	ug/kg	10 U	11 U					

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	PSS-D05-001 SB 5/4/2004 1	S-231A SB 1/1/2000 1 - 2	S-231A SB 1/1/2000 3 - 5	S-233A SS 1/1/2000 1 - 2	S-233A SB 1/1/2000 4 - 6	S-234A SS 1/1/2000 1 - 2	S-234A SB 1/1/2000 4 - 6	S-240A SB 1/1/2000 1 - 3	S-240A SB 1/1/2000 3 - 5
Volatile Organic Compounds	**Units**									
1,1,2,2-Tetrachloroethane	ug/kg	7.77 U	**37**	28 U	4.7 U	4.1 U	3.8 U	4 U	4.6 U	3.6 U
1,1-Dichloroethene	ug/kg	7.77 U	35 U	28 U	4.7 U	4.1 U	3.8 U	4 U	4.6 U	3.6 U
1,2,4-Trichlorobenzene	ug/kg	7.77 U								
1,2,4-Trimethylbenzene	ug/kg	7.77 U								
1,3,5-Trimethylbenzene	ug/kg	7.77 U								
1,4-Dichlorobenzene	ug/kg	7.77 U								
2-Butanone	ug/kg	7.77 U	35 U	28 U	**6.6**	**4.9**	3.8 U	**5.2**	**7.2**	**11**
2-Hexanone	ug/kg	7.77 U	35 U	28 U	**13**	4.1 U	3.8 U	4 U	4.6 U	3.6 U
Acetone	ug/kg	7.77 U	**120**	**56**	**61**	**29**	**12**	**16**	**28**	**43**
Benzene	ug/kg	7.77 U								
Bromodichloromethane	ug/kg	7.77 U								
Carbon disulfide	ug/kg	7.77 U	35 U	28 U	4.7 U	4.1 U	3.8 U	4 U	**9.5**	3.6 U
Carbon tetrachloride	ug/kg	7.77 U	35 U	28 U	4.7 U	4.1 U	3.8 U	4 U	4.6 U	3.6 U
Chloroform	ug/kg	7.77 U	35 U	28 U	4.7 U	4.1 U	3.8 U	4 U	4.6 U	3.6 U
cis-1,2-Dichloroethene	ug/kg	7.77 U	**69**	**75**	4.7 U	4.1 U	3.8 U	4 U	**190**	**210**
Ethylbenzene	ug/kg	7.77 U								
Isopropylbenzene	ug/kg	7.77 U								
Methylene chloride	ug/kg	7.77 U	71 U	26 U	14 U	12 U	11 U	12 U	14 U	11 U
m-Xylene and p-Xylene	ug/kg	7.77 U	**38**	28 U	4.7 U	4.1 U	3.8 U	4 U	4.6 U	3.6 U
Naphthalene	ug/kg	7.77 U								
n-Butylbenzene	ug/kg	7.77 U								
n-Propylbenzene	ug/kg	7.77 U								
p-Isopropyltoluene	ug/kg	7.77 U								
sec-Butylbenzene	ug/kg	7.77 U								
tert-Butylbenzene	ug/kg	7.77 U								
Tetrachloroethene	ug/kg	7.77 U								
Toluene	ug/kg	7.77 U								
trans-1,2-Dichloroethene	ug/kg	7.77 U	35 U	28 U	4.7 U	4.1 U	3.8 U	4 U	**140**	**94**
Trichloroethene	ug/kg	**1.95 J**	**600**	**990**	**5.8**	**18**	3.8 U	4 U	**8.8**	**120**
Vinyl chloride	ug/kg	7.77 U	35 U	28 U	4.7 U	4.1 U	3.8 U	4 U	**15**	**31**
Xylenes (total)	ug/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-242A SB 1/1/2000 1 - 3	S-242A SB 1/1/2000 3 - 5	S-254 SS 1/1/2000 1 - 2	S-254 SB 1/1/2000 3 - 5	S-257 SB 1/1/2000 1 - 2	S-257 SB 1/1/2000 3 - 5	S-259 SB 1/1/2000 1 - 2	S-259 SB 1/1/2000 3 - 4
Volatile Organic Compounds	**Units**								
1,1,2,2-Tetrachloroethane	ug/kg	3.6 U	4.1 U	3.8 U	4 U	600 U	4.7 U	4.1 U	53 U
1,1-Dichloroethene	ug/kg	3.6 U	4.1 U	3.8 U	4 U	3.7 U	4.7 U	4.1 U	5.8 U
1,2,4-Trichlorobenzene	ug/kg								
1,2,4-Trimethylbenzene	ug/kg								
1,3,5-Trimethylbenzene	ug/kg								
1,4-Dichlorobenzene	ug/kg								
2-Butanone	ug/kg	3.6 U	**5**	5.5 U	4 U	3.7 U	4.7 U	5 U	17 U
2-Hexanone	ug/kg	3.6 U	4.1 U	3.8 U	4 U	3.7 U	4.7 U	4.1 U	53 U
Acetone	ug/kg	**15**	**36**	**50**	**20**	**32**	14 U	**25**	**76**
Benzene	ug/kg								
Bromodichloromethane	ug/kg								
Carbon disulfide	ug/kg	3.6 U	4.1 U	3.8 U	4 U	3.7 U	4.7 U	**15**	5.8 U
Carbon tetrachloride	ug/kg	3.6 U	4.1 U	3.8 U	4 U	3.7 U	4.7 U	4.1 U	5.8 U
Chloroform	ug/kg	3.6 U	4.1 U	3.8 U	4 U	3.7 U	4.7 U	4.1 U	5.8 U
cis-1,2-Dichloroethene	ug/kg	**18**	**27**	**18**	**110**	**16**	**5.8**	**180**	**560**
Ethylbenzene	ug/kg								
Isopropylbenzene	ug/kg								
Methylene chloride	ug/kg	11 U	12 U	11 U	12 U	11 U	14 U	12 U	17 U
m-Xylene and p-Xylene	ug/kg	3.6 U	4.1 U	3.8 U	4 U	4.1 U	4.7 U	4.1 U	53 U
Naphthalene	ug/kg								
n-Butylbenzene	ug/kg								
n-Propylbenzene	ug/kg								
p-Isopropyltoluene	ug/kg								
sec-Butylbenzene	ug/kg								
tert-Butylbenzene	ug/kg								
Tetrachloroethene	ug/kg								
Toluene	ug/kg								
trans-1,2-Dichloroethene	ug/kg	**23**	**10**	3.8 U	4 U	3.7 U	4.7 U	**6**	**48**
Trichloroethene	ug/kg	**380**	**280**	**120**	**260**	**27**	**35 J**	4.1 U	5.8 U
Vinyl chloride	ug/kg	3.6 U	4.1 U	3.8 U	4 U	3.7 U	4.7 U	4.1 U	**5.9**
Xylenes (total)	ug/kg								

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
VOC Mobile Lab Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-227 SB 1/1/2000 1 - 3	S-227 SB 1/1/2000 4 - 6	S-228 SB 1/1/2000 1 - 3	S-228 SB 1/1/2000 4 - 6	S-229 SB 1/1/2000 1 - 3	S-229 SB 1/1/2000 4 - 6	S-230 SB 1/1/2000 1 - 3	S-230 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.06 U	1.08 U	1.06 U	1.08 U	1.07 U	1.07 U	1.19 U	1.04 U
cis-1,2-Dichloroethene	ug/kg	5.31 U	5.4 U	5.29 U	5.42 U	5.34 U	5.33 U	5.95 U	5.18 U
Tetrachloroethene	ug/kg	1.06 U	1.08 U	1.06 U	1.08 U	1.07 U	1.07 U	1.19 U	1.04 U
Trichloroethene	ug/kg	1.06 U	1.08 U	1.06 U	1.08 U	1.07 U	1.07 U	1.19 U	1.04 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-231 SB 1/1/2000 1 - 3	S-231 SB 1/1/2000 3 - 5	S-233 SB 1/1/2000 1 - 3	S-233 SB 1/1/2000 4 - 6	S-234 SB 1/1/2000 1 - 3	S-234 SB 1/1/2000 4 - 6	S-235 SB 1/1/2000 2 - 4	S-235 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.14 U	0.98 U	1.19 U	1.14 U	1.18 U	1.13 U	1.09 U	1.15 U
cis-1,2-Dichloroethene	ug/kg	**2440**	**8500**	5.96 U	5.69 U	5.92 U	5.64 U	**398**	**1040**
Tetrachloroethene	ug/kg	24.3 U	23.3 U	**1.19**	**1.14**	1.18 U	1.13 U	1.09 U	1.15 U
Trichloroethene	ug/kg	**45400**	**97800**	**2.75**	**8.27**	1.18 U	1.13 U	1.09 U	**273**

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-236 SB 1/1/2000 1 - 3	S-236 SB 1/1/2000 4 - 6	S-237 SB 1/1/2000 1 - 3	S-237 SB 1/1/2000 4 - 6	S-238 SB 1/1/2000 1 - 3	S-239 SB 1/1/2000 2 - 4	S-239 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.11 U	1.26 U	1.35 U	1.28 U	1.49 U	1.03 U	1.31 U
cis-1,2-Dichloroethene	ug/kg	5.56 U	6.3 U	6.77 U	6.38 U	7.44 U	**197 D**	**577**
Tetrachloroethene	ug/kg	1.11 U	1.26 U	1.35 U	1.28 U	1.49 U	1.03 U	1.31 U
Trichloroethene	ug/kg	1.11 U	1.26 U	1.35 U	**1.5**	1.49 U	1.03 U	**12.4**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

D - Diluted for analysis

Table 6-1
VOC Mobile Lab Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-240	S-240	S-240	S-242	S-242	S-246	S-246
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	8 - 10	11 - 13	2 - 4	4 - 6	2 - 4	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.17 U	1.09 U	1.14 U	1.09 U	1.13 U	0.97 U	1.26 U
cis-1,2-Dichloroethene	ug/kg	**437**	**559 D**	**577 D**	**17.7**	**26.5**	4.87 U	**34.4**
Tetrachloroethene	ug/kg	1.17 U	1.09 U	1.14 U	1.09 U	1.13 U	0.97 U	1.26 U
Trichloroethene	ug/kg	**93.5**	**291 D**	**339 D**	**307**	**386**	0.97 U	**13.8**

Analyte	Sample Location:	S-249	S-249	S-250	S-250	S-251	S-251	S-253
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 2	2 - 4	1 - 2	3 - 5	1 - 3	3 - 5	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.37 U	1.11 U	1.32 U	1.08 U	1.11 U	1.31 U	1.28 U
cis-1,2-Dichloroethene	ug/kg	6.83 U	5.57 U	6.6 U	5.4 U	5.57 U	6.54 U	**73.8**
Tetrachloroethene	ug/kg	1.37 U	1.11 U	1.32 U	1.08 U	1.11 U	1.31 U	1.28 U
Trichloroethene	ug/kg	**2.73**	**1.45**	1.32 U	1.08 U	1.11 U	**2.53**	1.28 U

Analyte	Sample Location:	S-253	S-254	S-254	S-256	S-256	S-257	S-257
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	3 - 5	1 - 2	3 - 5	1 - 2	3 - 5	1 - 2	3 - 5
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.17 U	1.21 U	1.32 U	1.1 U	1.15 U	1.18 U	1.5 U
cis-1,2-Dichloroethene	ug/kg	**2730**	**15.2**	**62.4**	**10.7**	**156 D**	**23**	7.5 U
Tetrachloroethene	ug/kg	1.17 U	1.21 U	1.32 U	1.1 U	1.15 U	1.18 U	1.5 U
Trichloroethene	ug/kg	**22.1**	**60.2**	**176**	**14.2**	**139**	**29.3**	**9.58**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

D - Diluted for analysis

Table 6-1
VOC Mobile Lab Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-258 SB 1/1/2000 1 - 2	S-258 SB 1/1/2000 2 - 3	S-259 SB 1/1/2000 1 - 3	S-259 SB 1/1/2000 3 - 4	S-260 SB 1/1/2000 1 - 2	S-260 SB 1/1/2000 3 - 5
Volatile Organic Compounds	**Units**						
Carbon tetrachloride	ug/kg	1.2 U	1.15 U	1.27 U	1.16 U	1.21 U	1.15 U
cis-1,2-Dichloroethene	ug/kg	5.99 U	5.73 U	**244 D**	**77 D**	6.07 U	5.73 U
Tetrachloroethene	ug/kg	1.2 U	1.15 U	1.27 U	1.16 U	1.21 U	1.15 U
Trichloroethene	ug/kg	1.2 U	1.15 U	**2.44**	1.16 U	1.21 U	1.15 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

D - Diluted for analysis

Table 6-1
SVOC Soil and Sediment Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	11S03 SD 5/31/1996 0 - 0.5	12S05 SD 5/31/1996 0 - 0.5	GPS-D09-005 SB 7/25/2003 5	GPS-D09-014 SB 7/25/2003 14	GPS-D09-214 SB 7/25/2003 14	GPS-D10-004 SB 7/25/2003 4	GPS-D10-008 SB 7/25/2003 8
Semivolatile Organic Compounds	**Units**							
1,2,4-Trichlorobenzene	ug/kg	690 U	850 U					
1,4-Dichlorobenzene	ug/kg	690 U	850 U					
2,2'-Oxybis(1-chloropropane)	ug/kg	690 U	850 U	410 U	410 U	410 U	410 U	420 U
2,4-Dinitrotoluene	ug/kg	690 U	850 U	410 U	410 U	410 U	410 U	420 U
2-Chlorophenol	ug/kg	690 U	850 U	410 U	410 U	410 U	410 U	420 U
2-Methylnaphthalene	ug/kg	690 U	**280 J**	**3900**	**310 J**	**310 J**	410 U	420 U
4-Chloro-3-methylphenol	ug/kg	690 U	850 U	410 U	410 U	410 U	410 U	420 U
4-Nitrophenol	ug/kg	3400 U	4100 U	830 U	810 U	820 U	820 U	830 U
Acenaphthene	ug/kg	**190 J**	**1900**	410 U	410 U	410 U	410 U	420 U
Acenaphthylene	ug/kg	690 U	**480 J**	410 U	410 U	410 U	410 U	420 U
Anthracene	ug/kg	**390 J**	**4300**	410 U	410 U	410 U	410 U	420 U
Benzo(a)anthracene	ug/kg	**2200**	**20000 E**	410 U	410 U	410 U	410 U	420 U
Benzo(a)pyrene	ug/kg	**2900**	**20000 E**	410 U	410 U	410 U	410 U	420 U
Benzo(b)fluoranthene	ug/kg	**2800**	**22000 E**	410 U	410 U	410 U	410 U	420 U
Benzo(g,h,i)perylene	ug/kg	**3100**	**12000**	410 U	410 U	410 U	410 U	420 U
Benzo(k)fluoranthene	ug/kg	**2100**	**13000**	410 U	410 U	410 U	410 U	420 U
Benzoic Acid	ug/kg	3400 U	**270 J**					
bis(2-Ethylhexyl)phthalate	ug/kg	**480 J**	**2800**	410 U	410 U	410 U	410 U	420 U
Butyl benzyl phthalate	ug/kg	**180 J**	850 U	410 U	410 U	410 U	410 U	420 U
Carbazole	ug/kg							
Chrysene	ug/kg	**2800**	**19000 E**	410 U	410 U	410 U	410 U	420 U
Dibenz(a,h)anthracene	ug/kg	**1000**	**8200**	410 U	410 U	410 U	410 U	420 U
Dibenzofuran	ug/kg	690 U	**660 J**					
Di-n-butylphthalate	ug/kg	**100 J**	**400 J**	410 U	410 U	410 U	410 U	420 U
Fluoranthene	ug/kg	**3800**	**35000 E**	410 U	410 U	410 U	410 U	420 U
Fluorene	ug/kg	**120 J**	**1600**	410 U	**100 J**	410 U	410 U	420 U
Indeno(1,2,3-cd)pyrene	ug/kg	**3000**	**18000 E**	410 U	410 U	410 U	410 U	420 U
Naphthalene	ug/kg	690 U	**450 J**	**2900**	**1300**	**840**	410 U	420 U
N-Nitroso-di-n-propylamine	ug/kg	690 U	850 U					
Pentachlorophenol	ug/kg	3400 U	4100 U	830 U	810 U	820 U	820 U	830 U
Phenanthrene	ug/kg	**1700**	**20000 E**	**490**	**290 J**	**200 J**	410 U	420 U
Phenol	ug/kg	690 U	850 U	410 U	410 U	410 U	410 U	420 U
Pyrene	ug/kg	**3800**	**32000 E**	410 U	410 U	410 U	410 U	420 U

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
D - Diluted for analysis
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-1
SVOC Soil and Sediment Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D11-005 SB 7/25/2003 5	GPS-D12-005 SB 7/25/2003 5	SS-128 SB 1/1/2000 0 - 0.5	SS-129 SB 1/1/2000 0 - 0.5	SS-131 SB 1/1/2000 0 - 0.5	SS-132 SB 1/1/2000 0 - 0.5	SS-133 SB 1/1/2000 0 - 0.5	SS-134 SB 1/1/2000 0 - 0.5
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/kg								
1,4-Dichlorobenzene	ug/kg								
2,2'-Oxybis(1-chloropropane)	ug/kg	410 U	410 U	**71 J**	350 U	340 U	340 UJ*	340 U	340 U,R*
2,4-Dinitrotoluene	ug/kg	410 U	410 U						
2-Chlorophenol	ug/kg	410 U	410 U						
2-Methylnaphthalene	ug/kg	410 U	410 U	**190 J**	**77 J**	340 U	340 UJ*	340 U	340 U,R*
4-Chloro-3-methylphenol	ug/kg	410 U	410 U						
4-Nitrophenol	ug/kg	820 U	820 U						
Acenaphthene	ug/kg	410 U	410 U	**1700**	**350 J**	**160 J**	340 UJ*	**310 J**	340 U,R*
Acenaphthylene	ug/kg	410 U	410 U	350 U	350 U	340 U	340 UJ*	340 U	340 U,R*
Anthracene	ug/kg	410 U	410 U	**2600**	**940**	**1600**	340 UJ*	**730**	340 U,R*
Benzo(a)anthracene	ug/kg	410 U	410 U	**18000 D,J***	**5400 D**	**2500**	**120 J**	**3300 D**	340 U,R*
Benzo(a)pyrene	ug/kg	410 U	410 U	**17000 D,J***	**5600 D,J***	**2500 J***	**98 J**	**4000 D**	340 U,R*
Benzo(b)fluoranthene	ug/kg	410 U	410 U	**23000 D,J***	**7500 D,J***	**3400 D,J***	**170 J**	**5600 D**	340 U,R*
Benzo(g,h,i)perylene	ug/kg	410 U	410 U	**440 J***	**2400 J***	**1400 J***	**93 J**	**2600**	340 U,R*
Benzo(k)fluoranthene	ug/kg	410 U	410 U	**9500 D,J***	**3600 D,J***	**1800 J***	**76 J**	**2000 J***	340 U,R*
Benzoic Acid	ug/kg								
bis(2-Ethylhexyl)phthalate	ug/kg	410 U	410 U	**3600 E,J***	**3900 D**	**1200**	340 UJ*	**820**	340 U,R*
Butyl benzyl phthalate	ug/kg	410 U	410 U	350 UJ*	350 U	**230 J**	340 UJ*	**91 J**	340 U,R*
Carbazole	ug/kg			**3000 E**	**470**	**730**	340 UJ*	**700**	340 U,R*
Chrysene	ug/kg	410 U	410 U	**19000 D,J***	**7300 D**	**3300 D**	**150 J**	**4700 D**	340 U,R*
Dibenz(a,h)anthracene	ug/kg	410 U	410 U	**1600 J***	**600 J***	**330 J**	340 UJ*	**540**	340 U,R*
Dibenzofuran	ug/kg			**590**	**140 J**	**92 J**	340 UJ*	**120 J**	340 U,R*
Di-n-butylphthalate	ug/kg	410 U	410 U	**360**	**310 J**	**120 J**	340 UJ*	**130 J**	340 U,R*
Fluoranthene	ug/kg	410 U	410 U	**39000 D**	**9500 D**	**2300**	**200 J**	**6600 D**	340 U,R*
Fluorene	ug/kg	410 U	410 U	**1200**	**360**	**260 J**	340 U	**250 J**	340 U,R*
Indeno(1,2,3-cd)pyrene	ug/kg	410 U	410 U	**1900 J***	**2200 J***	**1200 J***	**93 J**	**2400**	340 U,R*
Naphthalene	ug/kg	410 U	410 U	**290 J**	**63 J**	340 U	340 UJ*	**130 J**	340 U,R*
N-Nitroso-di-n-propylamine	ug/kg								
Pentachlorophenol	ug/kg	820 U	820 U						
Phenanthrene	ug/kg	410 U	410 U	**22000 D**	**2600**	**1600**	**130 J**	**2200**	340 U,R*
Phenol	ug/kg	410 U	410 U	350 U	350 U	340 U	340 UJ*	340 U	340 U,R*
Pyrene	ug/kg	410 U	410 U	**30000 D,J***	**8000 D**	**3600 D**	**180 J**	**5800 D**	340 U,R*

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
D - Diluted for analysis
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-1
Inorganic Soil and Sediment Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	11S03	12S05	GPS-D09-005	GPS-D09-014	GPS-D09-214	GPS-D10-004	GPS-D10-008
	Sample Media:	SD	SD	SB	SB	SB	SB	SB
	Sample Date:	5/31/1996	5/31/1996	7/25/2003	7/25/2003	7/25/2003	7/25/2003	7/25/2003
	Sample Depth:	0 - 0.5	0 - 0.5	5	14	14	4	8
Inorganics	**Units**							
Aluminum	mg/kg	**2810**	**6490**					
Arsenic	mg/kg	**4.2**	**6.4**	**3**	**8.59**	**3.98**	**5.1**	**3.39**
Barium	mg/kg	**269**	**154**	**288 J**	**1430 J**	**172 J**	**127 J**	**356 J**
Beryllium	mg/kg	**0.34**	**0.58**	**0.382 J**	**0.501 J**	**0.707 J**	**0.639 J**	**0.337 J**
Cadmium	mg/kg	**6.3 J***	**4.2 J***	1.25 U	1.23 U	1.24 U	1.24 U	1.26 U
Calcium	mg/kg	**28900 J*F**	**57400 J*F**					
Chromium	mg/kg	**23.6 F**	**291 F**	**23.3**	**13.9**	**18.6**	**23.8**	**23.6**
Cobalt	mg/kg	**3.3 J*F**	**5.3 J*F**					
Copper	mg/kg	**18.5 F**	**22.9 F**	**15.4**	**7.93**	**12.3**	**15.6**	**15.6**
Iron	mg/kg	**9060**	**12600**					
Lead	mg/kg	**414 J***	**1460 J***	**11.7**	**6.93**	**14.2**	**12.8**	**10.9**
Magnesium	mg/kg	**2260**	**3450**					
Manganese	mg/kg	**299 J***	**344 J***					
Mercury	mg/kg	**0.29**	0.04 U	0.125 U	0.123 U	0.124 U	0.124 U	0.126 U
Nickel	mg/kg	**8.5**	**13.5**	**16.5**	**16.9**	**19.1**	**18.3**	**17**
Potassium	mg/kg	**664**	**1580**					
Selenium	mg/kg	0.32 U	0.39 U	**1.45**	**1.27**	**2.55**	**2.14**	**0.754 J**
Silver	mg/kg	0.2 U	0.24 U	2.5 U	2.47 U	2.48 U	2.47 U	2.52 U
Sodium	mg/kg	**458**	**282 B**					
Vanadium	mg/kg	**13.4**	**18.9**					
Zinc	mg/kg	**803**	**180**	**59.9**	**37.6**	**51.8**	**61.7**	**62.6**

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SD Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
Inorganic Soil and Sediment Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	GPS-D11-005	GPS-D12-005	SS-128	SS-129	SS-131	SS-132	SS-133	SS-134
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	7/25/2003	7/25/2003	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5	5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**								
Aluminum	mg/kg			**13900 J***	**13300 J***	**6740 J***	**11600 J***	**9280 J***	**5970 J***
Arsenic	mg/kg	**6.93**	**9.01**	**5.66**	**4.5**	**4.41**	**16.1**	**4.82**	**3.23**
Barium	mg/kg	**257 J**	**373 J**						
Beryllium	mg/kg	**0.496 J**	**0.384 J**	**0.752**	**0.693**	**0.425**	**0.693**	**0.406**	**0.394**
Cadmium	mg/kg	1.25 U	1.25 U	**3.81**	**2.08**	**4.67**	**3.14**	**5.53**	**4.84**
Calcium	mg/kg								
Chromium	mg/kg	**27.3**	**23.6**	**48.5**	**45.8**	**29**	**21.7**	**38.4**	**18.3**
Cobalt	mg/kg			**6.17**	**5.49**	**4.82**	**6.72**	**4.75**	**4.05**
Copper	mg/kg	**19.2**	**17.1**	**22.4 J***	**17 J***	**30.7 J***	**27.1 J***	**56.2 J***	**22.7 J***
Iron	mg/kg								
Lead	mg/kg	**15.6**	**16.4**	**322 J***	**121 J***	**205 J***	**73.9 J***	**300 J***	**134 J***
Magnesium	mg/kg								
Manganese	mg/kg			**141**	**351**	**410**	**387**	**344**	**338**
Mercury	mg/kg	0.125 U	0.125 U	0.162 U	0.163 U	0.16 U	0.158 U	0.159 U	0.161 U
Nickel	mg/kg	**26.8**	**21.2**	**16.3**	**14.5**	**10.7**	**19.8**	**12.3**	**10.4**
Potassium	mg/kg								
Selenium	mg/kg	**2.02**	**2.54**	**8.67**	**7.66**	**4.44**	**14.5**	**12.5**	**3.3**
Silver	mg/kg	2.5 U	2.49 U	0.675 UJ*	0.725 UJ*	0.705 UJ*	0.703 UJ*	0.696 UJ*	0.67 UJ*
Sodium	mg/kg								
Vanadium	mg/kg			**32**	**29.2**	**19.3**	**29.2**	**20.6**	**19.2**
Zinc	mg/kg	**71**	**74.5**						

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SD Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-1
TPH Soil Detections
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	11B02 SB 6/20/1996 1 - 5
Total Petroleum Hydrocarbons	**Units**	
MISCELLANEOUS C7-C8	mg/kg	**1.9 J**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

J - Qualified as estimated

Table 6-2
Proposed Analytical Sample
Jet Engine Repair Hangar and Aircraft Wash Area No. 2
Former Schilling Air Force Base
Salina, Kansas

					Parameters	QA/QC Sample Designator		
Area	Sample Point	Sample Designator	Sample Interval	Matrix	Off-Site VOCS (Note 1)	Off-Site Duplicate	QA Sample	MS/MSD
JET	99MXX	GW01	NA	Groundwater	X			

Notes:
1. Off-site analysis will be performed using Method SW-846 5030B/8260B.
MS - matrix spike
MSD - matrix spike duplicate
NA - not applicable
QA - quality assurance
QC - quality control
VOCs - volatile organic compounds

Table 6-3
VOC Sediment and Surface Water Detections
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	04S30 / SD / 7/16/1997 / 0 - 0.5	04S31 / SD / 7/16/1997 / 0 - 0.5	SED-016 / SD / 1/1/2000	SED-018 / SD / 1/1/2000	04S30[1] / SW / 7/16/1997	04S31[1] / SW / 7/16/1997	SW-016[1] / SW / 1/1/2000	SW-018[1] / SW / 1/1/2000
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/kg	9 UJ*	11 UJ*						
1,1-Dichloroethene	ug/kg	9 UJ*	11 UJ*						
2-Butanone	ug/kg	9 UJ*	11 UJ*	**26**	**72**				
Acetone	ug/kg	9 UJ*	11 UJ*	**72**	**240**	5 U	**11**	1 U	**5.3**
Bromodichloromethane	ug/kg	9 UJ*	11 UJ*			1 U	1 U	1 U	**5.7**
Bromoform	ug/kg	9 UJ*	11 UJ*			1 U	1 U	1 U	**1.5**
Carbon disulfide	ug/kg	9 UJ*	11 UJ*	10 U	**31**				
Chloroform	ug/kg	9 UJ*	11 UJ*			1 U	1 U	1 U	**3.8**
cis-1,2-Dichloroethene	ug/kg	9 UJ*	11 UJ*	5.73 U	6.29 U				
Dibromochloromethane	ug/kg	9 UJ*	11 UJ*			1 U	1 U	1 U	**6**
Methylene chloride	ug/kg	**5 J**	**9 J**			1 U	1 U	2 U	2 U
Toluene	ug/kg	9 UJ*	**75 FJ***			1 U	1 U		
trans-1,2-Dichloroethene	ug/kg	9 UJ*	11 UJ*						
Trichloroethene	ug/kg	9 UJ*	11 UJ*	1.15 U	1.26 U				

Notes:
Bold indicates that compound was detected.
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-3
SVOC Soil, Sediment, and Surface Water Detections
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	05S08 / SD / 6/5/1996	05S09 / SD / 6/5/1996	22S04 / SD / 6/5/1996	SED-016 / SD / 1/1/2000	SED-018 / SD / 1/1/2000	SS-058 / SS / 1/1/2000 / 0 - 0.5	SS-059 / SS / 1/1/2000 / 0 - 0.5	SS-060 / SS / 1/1/2000 / 0 - 0.5
Semivolatile Organic Compounds	**Units**								
Acenaphthene	ug/kg	510 U	480 U	**88 J**			350 U	380 U	390 U
Anthracene	ug/kg	510 U	480 U	**140 J**	**53 J**	550 UJ*	350 U	380 U	390 U
Benzo(a)anthracene	ug/kg	**95 J**	**57 J**	**670**	**170 J**	**160 J**	**71 J**	**82 J**	**150 J**
Benzo(a)pyrene	ug/kg	**120 J**	**59 J**	**860**	**190 J**	**160 J**	**69 J**	**83 J**	**150 J**
Benzo(b)fluoranthene	ug/kg	**120 J**	**75 J**	**970**	**210 J**	**220 J**	**170 J**	**150 J**	**270 J**
Benzo(g,h,i)perylene	ug/kg	**120 J**	**54 J**	**840**	**160 J**	**130 J**	**82 J**	**71 J**	**160 J**
Benzo(k)fluoranthene	ug/kg	**110 J**	**58 J**	**710**	**86 J**	**100 J**	**86 J**	**94 J**	**120 J**
Benzoic Acid	ug/kg	2500 U	2400 U	**190 J**					
bis(2-Ethylhexyl)phthalate	ug/kg	**56 J**	480 U	**230 J**	460 U	550 UJ*	**530 J,B**	**270 J,B**	**240 J,B**
Butyl benzyl phthalate	ug/kg	510 U	480 U	**150 J**			350 U	380 U	390 U
Chrysene	ug/kg	**120 J**	**69 J**	**920**	**240 J**	**250 J**	**120 J**	**130 J**	**250 J**
Dibenz(a,h)anthracene	ug/kg	510 U	480 U	**300 J**	**48 J**	550 UJ*	350 U	380 U	390 U
Di-n-octylphthalate	ug/kg	510 U	480 U	620 U			350 U	380 U	390 U
Fluoranthene	ug/kg	**220 J**	**100 J**	**2000**	**340 J**	**390 J**	**140 J**	**150 J**	**430**
Indeno(1,2,3-cd)pyrene	ug/kg	**96 J**	480 U	**540 J**	**150 J**	**150 J**	**85 J**	**74 J**	**160 J**
Phenanthrene	ug/kg	**110 J**	480 U	**920**	**200 J**	**160 J**	**99 J**	**71 J**	**200 J**
Pyrene	ug/kg	**160 J**	**80 J**	**1400**	**330 J**	**300 J**	**120 J**	**130 J**	390 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
* - Qualified in QC evaluation

Table 6-3
SVOC Soil, Sediment, and Surface Water Detections
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-061 SS 1/1/2000 0 - 0.5	05S08[1] SW 6/5/1996	05S09[1] SW 6/5/1996	22S04[1] SW 6/5/1996
Semivolatile Organic Compounds	**Units**				
Acenaphthene	ug/kg	360 U	10 U	10 U	10 U
Anthracene	ug/kg	360 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/kg	360 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/kg	360 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/kg	360 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/kg	360 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/kg	360 U	10 U	10 U	10 U
Benzoic Acid	ug/kg		50 U	50 U	**1 J**
bis(2-Ethylhexyl)phthalate	ug/kg	360 U	10 U	10 U	10 U
Butyl benzyl phthalate	ug/kg	360 U	10 U	10 U	10 U
Chrysene	ug/kg	360 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/kg	360 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/kg	360 U			
Fluoranthene	ug/kg	360 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/kg	360 U	10 U	10 U	10 U
Phenanthrene	ug/kg	360 U	10 U	10 U	10 U
Pyrene	ug/kg	360 U	10 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
* - Qualified in QC evaluation

Table 6-3
Inorganic Soil, Sediment, and Surface Water Detections
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	05S08	05S09	22S04	SED-016	SED-018	SS-058	SS-059	SS-060	SS-061
	Sample Media:	SD	SD	SD	SD	SD	SS	SS	SS	SS
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:						0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**13900 F**	**11900 F**	**10100 F**	**5970**	**14300**	**13700**	**18000**	**12000**	**14200**
Arsenic	mg/kg	**7.1**	**5.9**	**6**	0.657 U	0.796 U	**3.15**	**2.19**	**1.57**	**2.81**
Barium	mg/kg	**370 F**	**204 F**	**209 F**						
Beryllium	mg/kg	**0.96**	**0.81**	**0.73**	**0.396**	**0.682**	**0.822**	**1.01**	**0.789**	**0.965**
Cadmium	mg/kg	**1.1 J***	**0.56 J***	**1.8 J***	**0.845**	**1**	**1.2**	**1.54**	**0.552 ND**	**0.523**
Calcium	mg/kg	**13200 J*F**	**9820 J*F**	**17200 J*F**						
Chromium	mg/kg	**15.6 F**	**18.5 F**	**15.8 F**	**9.09**	**21.2**	**17.8**	**23.1**	**15.7**	**16.5**
Cobalt	mg/kg	**6.7 J*F**	**6.4 J*F**	**5.9 J*F**	**3.69**	**6.52**	**7.28**	**7.53**	**6.45**	**7.69**
Copper	mg/kg	**16.6 F**	**15 F**	**18.5 F**	**10.7 J***	**30.9 J***	**19.4**	**31.8**	**18.4**	**15.9**
Iron	mg/kg	**14100 F**	**13600 F**	**11800 F**						
Lead	mg/kg	**40.3 J***	**22.6 J***	**110 J***	**28.2**	**25.6**	**67.7**	**40.2**	**25.1**	**15**
Magnesium	mg/kg	**4330**	**3110**	**4060**						
Manganese	mg/kg	**354 J***	**316 J***	**341 J***	**288 J***	**178 J***	**364**	**307**	**247**	**294**
Mercury	mg/kg	0.05 U	**0.07**	**0.06**	0.217 U	0.255 U	0.163 U	**0.919**	0.18 U	0.167 U
Nickel	mg/kg	**16.5**	**13.5**	**13.3**	**8.86**	**13.6**	**17.1**	**18.5**	**14.1**	**16.1**
Potassium	mg/kg	**2360 F**	**1990 F**	**2210 F**						
Selenium	mg/kg	0.46 U	0.44 U	**0.79 B**	**2.2**	1.59 U	**2.64**	**4.61**	**2.67**	1.05 U
Silver	mg/kg	0.29 U	0.28 U	0.36 U	0.921 U	1.11 U	0.706 U	**6.42**	0.773 U	0.732 U
Sodium	mg/kg	**468**	**334 B**	**321 B**						
Thallium	mg/kg	0.34 UJ*	0.32 UJ*	0.41 UJ*	**2.54 J***	2.55 UJ*	1.61 U	1.7 U	1.77 U	1.67 U
Vanadium	mg/kg	**28.9**	**24.3**	**21.5**	**14.7**	**26.9**	**31.5**	**37.9**	**28.2**	**36.5**
Zinc	mg/kg	**76**	**67.9**	**234**						

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-3
Inorganic Soil, Sediment, and Surface Water Detections
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	05S08[1]	05S09[1]	22S04[1]	SW-016[1]	SW-018[1]
	Sample Media:	SW	SW	SW	SW	SW
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	1/1/2000	1/1/2000
Inorganics	**Units**					
Aluminum	mg/kg	**2210**	**104**	**1590**	75 U	**143**
Arsenic	mg/kg	**2.5 B**	**2 B**	1.6 U	5 U	5 U
Barium	mg/kg	**150**	**153**	**110**		
Beryllium	mg/kg	**0.5 B**	**0.38 B**	**0.56 B**	1 U	1 U
Cadmium	mg/kg	0.5 U	0.5 U	0.5 U	5 U	5 U
Calcium	mg/kg	**112000**	**102000**	**107000**		
Chromium	mg/kg	**5.9**	0.8 U	**11.7**	**7.08**	**8.14**
Cobalt	mg/kg	**2 BJ***	**1.8 BJ***	0.9 UJ*	7 U	7 U
Copper	mg/kg	**5.9**	**1.5 B**	**6.5**	**12**	**14.1**
Iron	mg/kg	**1990**	**588**	**1310**		
Lead	mg/kg	**6.3 J***	**1.4 BJ***	**60.4 J***	**17.8**	**18.8**
Magnesium	mg/kg	**29100**	**24900**	**29100**		
Manganese	mg/kg	**180**	**407**	**57.2**	**90.8**	7 U
Mercury	mg/kg	0.1 U	0.1 U	0.1 U	**0.71 J***	**0.355 J***
Nickel	mg/kg	**3.8 B**	**2.4 B**	**2.6 B**	30 U	30 U
Potassium	mg/kg	**3410 B**	**7140**	**2790 B**		
Selenium	mg/kg	**3.8 B**	**2.6 B**	**2.1 B**	5 U	5 U
Silver	mg/kg					
Sodium	mg/kg	**109000 J***	**93400 J***	**107000 J***		
Thallium	mg/kg					
Vanadium	mg/kg	**7.5**	**3 B**	**4.9**	12 U	**12.9 J***
Zinc	mg/kg	**29.8**	**15.5 B**	**46.6**		

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-4
Proposed Analytical Samples
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)
1A01	A	GWXX	TBD	Groundwater	X	X			GWXXDUP	GW11	GW01QA	GW01X
		GWYY	TBD	Groundwater	X							
		(Notes 10, 11)	(Note 10)	Groundwater	X							
	B	GWXX	TBD	Groundwater	X							
		GWYY	TBD	Groundwater	X	X						
		(Notes 10, 11)	(Note 10)	Groundwater	X							
	C	GWXX	TBD	Groundwater	X							
		GWYY	TBD	Groundwater	X							
		(Notes 10, 11)	(Note 10)	Groundwater	X	X						
	Note 13	GWXX	TBD	Groundwater	X							
		GWYY	TBD	Groundwater	X				GWYYDUP	GW22	GW02QA	
		(Notes 10, 11)	(Note 10)	Groundwater	X							
1A01	A	SS01	0 - 6"	Soil			X	X		SS11	SS01QA	
(Note 14)		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	C	SS01	0 - 6"	Soil			X	X				SS01X
		SB01	0.5 - 2'	Soil		X						SB01X
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	E	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	H	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	I	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						

Table 6-4
Proposed Analytical Samples
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)
1A01	J	SS01	0 - 6"	Soil			X	X				
(Note 14)		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	L	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	P	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	Q	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	R	SS01	0 - 6"	Soil			X	X		SS11	SS01QA	
		SB01	0.5 - 2'	Soil		X				SB11	SB01QA	
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
	W	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						

Table 6-4
Proposed Analytical Samples
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)
1A01	X	SS01	0 - 6"	Soil			X	X				
(Note 14)		SB01	0.5 - 2'	Soil		X						
		SB02	2 - 10'	Soil		X	X	X				
		SB03	10' - TOGW	Soil		X						
STP	01	SW01	NA	Surface Water		X	X	X				
		SD01	0 - 6"	Sediment		X	X	X				
	02	SW01	NA	Surface Water		X	X	X				
		SD01	0 - 6"	Sediment		X	X	X				
	03	SW01	NA	Surface Water		X	X	X		SW11	SW01QA	
		SD01	0 - 6"	Sediment		X	X	X		SD11	SD01QA	
	04	SW01	NA	Surface Water		X	X	X				
		SD01	0 - 6"	Sediment		X	X	X				
	05	SW01	NA	Surface Water		X	X	X				
		SD01	0 - 6"	Sediment		X	X	X				
	06	SW01	NA	Surface Water		X	X	X				SW01X
		SD01	0 - 6"	Sediment		X	X	X				SD01X

Table 6-4
Proposed Analytical Samples
Sewage Treatment Plant and Landfill
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)

Notes:
This table shows the general sampling requirements and sample labeling scheme. Due to the interative nature of the field activities at this location, this table will not list all sample requirements for collection in the field. These are unknown at this time.

1. On-site VOCs includes tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and 1,1-dichloroethene.
2. One groundwater sample per 10 on-site gas chromatograph analyses will be sent to an off-site laboratory as a confirmation sample.
3. Off-site VOCs analyses will be performed using Method SW-846 5035A/8260B (soil) and 5030B/8260B (water).
4. Off-site SVOCs analyses will be performed using Method SW-846 3550B/8270D (soil) and 3510B/8270D (water).
5. Off-site RCRA metals analyses will be performed using Method SW-846 3010/6010B and 7471A (soil) and SW-846 3010A/6010C and 7470A (water).
6. One on-site duplicate will be analyzed per 10 on-site analyses.
7. One off-site duplicate will be analyzed per 10 off-site analyses.
8. Each off-site duplicate will also have a QA split sample sent to the USACE QA Laboratory.
9. One set of MS/MSD samples will be analyzed per 20 off-site analyses.
10. One groundwater sample will be collected per each 15-foot interval of saturated thickness. The number of groundwater samples collected at each sample point will depend on the saturated thickness of the aquifer.
11. XX, YY, …. indicate depth bgs of sample collection.
12. QA/QC samples for groundwater to be numbered per sample depth interval with "11" and "01"as deepest sample depth interval.
13. See Figure 6-4 for other sample points.
14. Soil samples from 0.5 - 2', 2 - 10', and 10' - the top of groundwater will be collected from the intervals with the highest PID reading.

bgs - below ground surface
MS - matrix spike
MSD - matrix spike duplicate
NA - not applicable
QA - quality assurance
QC - quality control
PID - photoionization detector
RCRA - Resource Conservation and Recovery Act
SVOCs - semi-volatile organic compounds
TBD - to be determined
TOGW - top of groundwater
USACE - United States Army Corps of Engineers
VOCs - volatile organic compounds
" - inches
' - feet

Table 6-5
VOC Sediment and Surface Water Detections
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	02S50 SD 4/16/1997 0 - 0.5	09S63 SD 7/15/1997 0 - 0.5	SED-004 SD 1/1/2000	SED-005 SD 1/1/2000	SED-008 SD 1/1/2000	SED-009 SD 1/1/2000	SED-010 SD 1/1/2000	02S50[1] SW 4/16/1997	09S63[1] SW 7/15/1997
Volatile Organic Compounds	**Units**									
2-Butanone	ug/kg	8 U	14 UJ*	**15**	10 U	**22**	**57**	**33**		
Acetone	ug/kg	**10**	14 UJ*	**35**	10 U	**76**	**200**	**100**	**8**	5 UJ*
Benzene	ug/kg	8 U	14 UJ*	**21**	10 U	14 U	16 U	12 U		
Carbon disulfide	ug/kg	8 U	14 UJ*	**11**	**15**	**20**	**18**	**36**		
cis-1,2-Dichloroethene	ug/kg	8 U	14 UJ*	6.13 U	6.78 U	7.31 U	8.43 U	7.95 U	**1**	1 UJ*
Methylene chloride	ug/kg	8 U	14 UJ*						1 U	**2 J***
Trichloroethene	ug/kg	8 U	14 UJ*	1.23 U	**1.66**	1.46 U	1.69 U	1.59 U	**2**	1 UJ*

Notes:
Bold indicates that compound was detected.
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualififed as undetected
J - Qualfifed as estimated
* - Qualififed in QC evaluation

Table 6-5
VOC Sediment and Surface Water Detections
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SW-005[1] SW 1/1/2000	SW-008[1] SW 1/1/2000	SW-009[1] SW 1/1/2000	SW-010[1] SW 1/1/2000
Volatile Organic Compounds	**Units**				
2-Butanone	ug/kg				
Acetone	ug/kg	1 U	1 U	1 U	1 U
Benzene	ug/kg				
Carbon disulfide	ug/kg				
cis-1,2-Dichloroethene	ug/kg	1 U	1 U	1 U	1 U
Methylene chloride	ug/kg	2 U	2 U	2 U	2 U
Trichloroethene	ug/kg	**1.9**	1 U	1 U	1 U

Notes:
Bold indicates that compound was detected.
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualififed as undetected
J - Qualfifed as estimated
* - Qualififed in QC evaluation

Table 6-5
SVOC, Pesticide, and PCB Soil, Sediment, and Surface Water Detections
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	00S23 SS 5/22/1996 0 - 0.5	02S27 SD 6/3/1996 0 - 0.5	SED-004 SD 1/1/2000	SED-005 SD 1/1/2000	SED-008 SD 1/1/2000	SED-009 SD 1/1/2000	SED-010 SD 1/1/2000	02S27[1] SW 6/3/1996
Semivolatile Organic Compounds	**Units**								
Benzo(b)fluoranthene	ug/kg	400 U	**240 J**	470 UJ*	520 UJ*	**280 J**	730 UJ*	**610 J**	10 U
Benzo(g,h,i)perylene	ug/kg	400 U	**100 J**	470 UJ*	520 UJ*	**180 J**	**90 J**	6100 U	10 U
Benzo(k)fluoranthene	ug/kg	400 U	**160 J**	470 UJ*	520 UJ*	**110 J**	730 UJ*	6100 U	10 U
Benzoic Acid	ug/kg	1900 U	2500 U						
bis(2-Ethylhexyl)phthalate	ug/kg	400 U	**210 J**	470 UJ*	520 UJ*	550 U	**1300 J***	6100 U	10 U
Chrysene	ug/kg	400 U	**270 J**	**71 J**	520 U	**280 J**	**170 J**	6100 U	10 U
Fluoranthene	ug/kg	400 U	**480 J**	470 UJ*	**100 J**	**410 J**	**290 J**	**1000 J**	10 U
Indeno(1,2,3-cd)pyrene	ug/kg	400 U	**91 J**	470 UJ*	520 UJ*	**190 J**	**88 J**	6100 U	10 U
Phenanthrene	ug/kg	400 U	**150 J**	470 UJ*	520 UJ*	**81 J**	730 UJ*	6100 U	10 U
Pyrene	ug/kg	400 U	**410 J**	470 UJ*	**110 J**	**360 J**	**210 J**	**730 J**	10 U
1 - Surface water results displayed with units of ug/L									
PCBs/Pesticides	**Units**								
PCB-1260	ug/kg	81 U	110 U					**430 J**	

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualififed as undetected
J - Qualfifed as estimated
* - Qualififed in QC evaluation

Table 6-5
Inorganic Soil, Sediment, and Surface Water Detections
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	00S23 SS 5/22/1996 0 - 0.5	02S27 SD 6/3/1996 0 - 0.5	SED-004 SD 1/1/2000	SED-005 SD 1/1/2000	SED-008 SD 1/1/2000	SED-009 SD 1/1/2000	SED-010 SD 1/1/2000	02S27[1] SW 6/3/1996	SW-005[1] SW 1/1/2000
Inorganics	**Units**									
Barium	mg/kg	**158 F**	**209 F**						**147**	
Beryllium	mg/kg	**0.84**	**0.78**	**0.644**	**0.909**	**0.936**	**1.01**	**0.83**	**0.4 B**	1 U
Cadmium	mg/kg	**0.32**	**1.3 J***	**0.839**	**1.75**	**1.94**	**2.35**	**1.24**	0.5 U	5 U
Calcium	mg/kg	**4600**	**12600 J*F**						**45700**	
Chromium	mg/kg	**9.9 F**	**20.2 F**	**13.5**	**22.6**	**33.2**	**34.3**	**27.7**	**7**	**7.37**
Cobalt	mg/kg	**7.4 F**	**6.6 J*F**	**5.85**	**7.82**	**8.27**	**6.78**	**6.74**	**1.9 BJ***	7 U
Iron	mg/kg	**10200**	**11600 F**						**6700**	
Lead	mg/kg	**13.9 E**	**31.9 J***	**13.3**	**45.3**	**54.2**	**55.4**	**28.6**	**1.6 BJ***	**15.6**
Magnesium	mg/kg	**2670 J***	**2960**						**11300**	
Manganese	mg/kg	**282**	**265 J***	**258 J***	**183 J***	**268 J***	**354 J***	**218 J***	**109**	**20.4**
Mercury	mg/kg	0.04 U	**0.3**	0.221 U	0.244 U	0.258 U	0.343 U	0.283 U	0.1 U	**1.61**
Nickel	mg/kg	**14.8 E**	**13.7**	**11.8**	**17.2**	**18**	**20**	**16.3**	**7.7**	30 U
Potassium	mg/kg	**1650**	**1770 F**						**5420**	
Selenium	mg/kg	0.36 U	**0.8**	1.34 U	1.51 U	1.64 U	2.2 U	1.84 U	2 U	5 U
Silver	mg/kg	0.23 U	**2.3**	0.94 U	1.06 U	**1.46**	1.54 U	1.28 U	1.2 U	7 U
Sodium	mg/kg	**169 BF**	**333 B**						**32900 J***	
Thallium	mg/kg	0.27 UJ*	0.35 UJ*	**5.97 J***	**5.7 J***	**4.13 J***	**8.24 J***	**5.12 J***		
Vanadium	mg/kg	**19.6**	**22.6**	**24.7**	**31.8**	**32.7**	**39**	**35.5**	**18.8**	12 U
Zinc	mg/kg	**32.9**	**148**						33.7 U*	

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualififed as undetected
J - Qualfifed as estimated
B - Detected in assocaited method blank
F - Detected in associated rinsate blank
* - Qualififed in QC evaluation

Table 6-5
Inorganic Soil, Sediment, and Surface Water Detections
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SW-008[1] SW 1/1/2000	SW-009[1] SW 1/1/2000	SW-010[1] SW 1/1/2000
Inorganics	**Units**			
Barium	mg/kg			
Beryllium	mg/kg	1 U	1 U	1 U
Cadmium	mg/kg	5 U	5 U	5 U
Calcium	mg/kg			
Chromium	mg/kg	7 U	7 U	7 U
Cobalt	mg/kg	7 U	7 U	7 U
Iron	mg/kg			
Lead	mg/kg	**12**	**6.07**	**12.8**
Magnesium	mg/kg			
Manganese	mg/kg	**118**	**340**	**133**
Mercury	mg/kg	**0.431 J***	**0.954**	**0.27 J***
Nickel	mg/kg	30 U	30 U	30 U
Potassium	mg/kg			
Selenium	mg/kg	5 U	5 U	5 U
Silver	mg/kg	7 U	7 U	7 U
Sodium	mg/kg			
Thallium	mg/kg			
Vanadium	mg/kg	12 U	12 U	12 U
Zinc	mg/kg			

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualififed as undetected
J - Qualfifed as estimated
B - Detected in assocaited method blank
F - Detected in associated rinsate blank
* - Qualififed in QC evaluation

Table 6-6
Proposed Analytical Samples
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

					Parameters			QA/QC Sampler Designators			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
1D01	I	GWXX	TBD	Groundwater	X	X		GWXXDUP	GW11	GW01QA	GW01X
		GWYY	TBD	Groundwater	X						
		(Notes 9, 10)	(Note 9)	Groundwater	X						
	K	GWXX	TBD	Groundwater	X						
		GWYY	TBD	Groundwater	X	X		GWYYDUP	GW22	GW02QA	
		(Notes 9, 10)	(Note 9)	Groundwater	X						
	M	GWXX	TBD	Groundwater	X						
		GWYY	TBD	Groundwater	X						
		(Notes 9, 10)	(Note 9)	Groundwater	X						
	Note 12	GWXX	TBD	Groundwater	X						
		GWYY	TBD	Groundwater	X						
		(Notes 9, 10)	(Note 9)	Groundwater	X						
1D01	AA	SS01	0 - 6"	Soil			X		SS11	SS01QA	
(Notes 13		SB01	0.5 - 2'	Soil		X			SB11	SB01QA	
and 14)		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	AQ	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	AZ	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	BI	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	BJ	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					

Table 6-6
Proposed Analytical Samples
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

					Parameters			QA/QC Sampler Designators			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
1D01 (Notes 13 and 14)	BL	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	BS	SS01	0 - 6"	Soil			X		SS11	SS01QA	
		SB01	0.5 - 2'	Soil		X			SB11	SB01QA	
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	BT	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	CA	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	CC	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	CE	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	CH	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	CI	SS01	0 - 6"	Soil			X				
		SB01	0.5 - 2'	Soil		X					
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					

Table 6-6
Proposed Analytical Samples
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

					Parameters			QA/QC Sampler Designators			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
1D01	CJ	SS01	0 - 6"	Soil			X				
(Notes 13		SB01	0.5 - 2'	Soil		X					
and 14)		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
	CQ	SS01	0 - 6"	Soil			X				SS01X
		SB01	0.5 - 2'	Soil		X					SB01X
		SB02	2 - 10'	Soil		X	X	X			
		SB03	10' - TOGW	Soil		X					
LOX	01	SW01	NA	Surface Water		X	X				
		SD01	0 - 6"	Sediment		X	X				
	02	SW01	NA	Surface Water		X	X				
		SD01	0 - 6"	Sediment		X	X				
	03	SW01	NA	Surface Water		X	X				
		SD01	0 - 6"	Sediment		X	X				
	04	SW01	NA	Surface Water		X	X		SW11	SW01QA	
		SD01	0 - 6"	Sediment		X	X		SD11	SD01QA	
	05	SW01	NA	Surface Water		X	X				
		SD01	0 - 6"	Sediment		X	X				
	06	SW01	NA	Surface Water		X	X				
		SD01	0 - 6"	Sediment		X	X				
	07	SW01	NA	Surface Water		X	X				
		SD01	0 - 6"	Sediment		X	X				
	08	SW01	NA	Surface Water		X	X				SW01X
		SD01	0 - 6"	Sediment		X	X				SD01X
LOX	99MXX	GW01	NA	Groundwater		X					

Table 6-6
Proposed Analytical Samples
Liquid Oxygen Plant
Former Schilling Air Force Base
Salina, Kansas

					Parameters			QA/QC Sampler Designators			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)

Notes:
This table shows the general sampling requirements and sample labeling scheme. Due to the interative nature of the field activities at this location, this table will not list all sample requirements for collection in the field. These are unknown at this time.

1. On-site VOCs includes tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and 1,1-dichloroethene.
2. One groundwater sample per 10 on-site gas chromatograph analyses will be sent to an off-site laboratory as a confirmation sample.
3. Off-site VOCs analyses will be performed using Method SW-846 5035A/8260B (soil) and 5030B/8260B (water).
4. Off-site SVOCs analyses will be performed using Method SW-846 3550B/8270D (soil) and 3510B/8270D (water).
5. One on-site duplicate will be analyzed per 10 on-site analyses.
6. One off-site duplicate will be analyzed per 10 off-site analyses.
7. Each off-site duplicate will also have a QA split sample sent to the USACE QA Laboratory.
8. One set of MS/MSD samples will be analyzed per 20 off-site analyses.
9. One groundwater sample will be collected per each 15-foot interval of saturated thickness. The number of groundwater samples collected at each sample point will depend on the saturated thickness of the aquifer.
10. XX, YY, …. indicate depth bgs of sample collection.
11. QA/QC samples for groundwater to be numbered per sample depth interval with "11" and "01"as deepest sample depth interval.
12. See Figure 6-6 for other sample points.
13. Soil samples from 0.5 - 2', 2 - 10', and 10' - the top of groundwater will be collected from the intervals with the highest PID reading.
14. Additional soil sample locations will be added as needed.

bgs - below ground surface
MS - matrix spike
MSD - matrix spike duplicate
NA - not applicable
PID - photoionization detector
QA - quality assurance
QC - quality assurance
SVOCs - semi-volatile organic compounds
TBD - to be determined
TOGW - top of groundwater
USACE - United States Army Corps of Engineers
VOCs - volatile organic compounds
" - inches
' - feet

Table 6-7
VOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	GPS-K03-005	GPS-K03-022	GPS-K03-022-DL	GPS-K04-005	GPS-K04-005-RE	GPS-K04-022	GPS-K04-022-DL
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	7/24/2003	7/24/2003	7/24/2003	7/24/2003	7/24/2003	7/24/2003	7/24/2003
	Sample Depth:	5	22	22	5	5	22	22
Volatile Organic Compounds	**Units**							
1,1,1-Trichloroethane	ug/kg	3.3 U	3.3 U	330 R	3.2 U	3.3 R	3.4 U	170 R
1,1,2-Trichloroethane	ug/kg	5.5 U	**17**	550 R	5.3 U	5.4 R	**3.7 J**	280 R
1,1-Dichloroethene	ug/kg	5.5 U	**6.9**	550 R	5.3 U	5.4 R	5.6 U	280 R
1,2-Dichloropropane	ug/kg	3.3 U	3.3 U	330 R	3.2 U	3.3 R	3.4 U	170 R
2-Butanone	ug/kg	11 U	11 U	1100 R	11 U	11 R	11 U	560 R
2-Hexanone	ug/kg	11 U	11 U	1100 R	11 U	11 R	11 U	560 R
Acetone	ug/kg	11 U	11 U	1100 R	11 U	11 R	11 U	560 R
Carbon tetrachloride	ug/kg	3.3 U	3.3 U	330 R	3.2 U	3.3 R	3.4 U	170 R
Chlorobenzene	ug/kg	5.5 U	**9.9**	550 R	5.3 U	5.4 R	**2 J**	280 R
Chloroform	ug/kg	3.3 U	**7.6**	330 R	3.2 U	3.3 R	**1.8 J**	170 R
cis-1,2-Dichloroethene	ug/kg	5.5 U	5.5 R	**4500**	5.3 U	5.4 R	5.6 R	**1200**
Dichlorodifluoromethane	ug/kg	11 U	11 U	1100 R	11 U	11 R	11 U	560 R
Methylene chloride	ug/kg	5.5 U	5.5 U	550 R	5.3 U	5.4 R	5.6 U	280 R
Naphthalene	ug/kg	11 U	11 U	1100 R	11 U	11 R	11 U	560 R
Tetrachloroethene	ug/kg	3.3 U	3.3 U	330 R	3.2 U	3.3 R	3.4 U	170 R
Toluene	ug/kg	5.5 U	**1.5 J**	550 R	5.3 U	5.4 R	5.6 U	280 R
trans-1,2-Dichloroethene	ug/kg	3.3 U	**6.4**	330 R	3.2 U	3.3 R	**2 J**	170 R
Trichloroethene	ug/kg	**1.7 J**	3.3 R	**21000**	3.2 U	3.3 R	3.4 R	**9300**
Trichlorofluoromethane	ug/kg	5.5 U	5.5 U	550 R	5.3 U	5.4 R	**1.5 J**	280 R
Vinyl chloride	ug/kg	5.5 U	5.5 U	550 R	5.3 U	5.4 R	5.6 U	280 R
Xylenes (total)	ug/kg	11 U	11 U	1100 R	11 U	11 R	11 U	560 R

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
R - Qualified as unusable

Table 6-7
VOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-K05-005 SB 7/24/2003 5	GPS-K05-021 SB 7/24/2003 21	GPS-K05-021-DL SB 7/24/2003 21	GPS-K06-005 SB 7/24/2003 5	PSS-K01-001 SB 5/5/2004 1	PSS-K02-001 SB 5/5/2004 1	PSS-K03-001 SB 5/5/2004 1
Volatile Organic Compounds	**Units**							
1,1,1-Trichloroethane	ug/kg	3.2 U	3.5 U	320 R	3.2 U	9.23 U	9.32 U	8.99 U
1,1,2-Trichloroethane	ug/kg	5.3 U	**4.2 J**	540 R	5.3 U	9.23 U	9.32 U	8.99 U
1,1-Dichloroethene	ug/kg	5.3 U	5.9 U	540 R	5.3 U	9.23 U	9.32 U	8.99 U
1,2-Dichloropropane	ug/kg	3.2 U	3.5 U	320 R	3.2 U	9.23 U	9.32 U	8.99 U
2-Butanone	ug/kg	11 U	12 U	1100 R	11 U	9.23 U	9.32 U	8.99 U
2-Hexanone	ug/kg	11 U	12 U	1100 R	11 U	9.23 U	9.32 U	8.99 U
Acetone	ug/kg	**8 J**	**20**	1100 R	11 U	9.23 U	9.32 U	8.99 U
Carbon tetrachloride	ug/kg	3.2 U	3.5 U	320 R	3.2 U	9.23 U	9.32 U	8.99 U
Chlorobenzene	ug/kg	5.3 U	**3.6 J**	540 R	5.3 U	9.23 U	9.32 U	8.99 U
Chloroform	ug/kg	3.2 U	**2.1 J**	320 R	3.2 U	9.23 U	9.32 U	8.99 U
cis-1,2-Dichloroethene	ug/kg	**47**	**74**	540 R	5.3 U	9.23 U	9.32 U	8.99 U
Dichlorodifluoromethane	ug/kg	11 U	12 U	1100 R	11 U	9.23 U	9.32 U	8.99 U
Methylene chloride	ug/kg	5.3 U	5.9 U	540 R	5.3 U	9.23 U	9.32 U	8.99 U
Naphthalene	ug/kg	11 U	12 U	1100 R	11 U	9.23 U	9.32 U	8.99 U
Tetrachloroethene	ug/kg	3.2 U	3.5 U	320 R	3.2 U	9.23 U	9.32 U	8.99 U
Toluene	ug/kg	5.3 U	5.9 U	540 R	5.3 U	9.23 U	9.32 U	8.99 U
trans-1,2-Dichloroethene	ug/kg	3.2 U	**1.7 J**	320 R	3.2 U	9.23 U	9.32 U	8.99 U
Trichloroethene	ug/kg	**150**	3.5 R	**2300**	3.2 U	9.23 U	9.32 U	**41.6**
Trichlorofluoromethane	ug/kg	5.3 U	5.9 U	540 R	5.3 U			
Vinyl chloride	ug/kg	5.3 U	5.9 U	540 R	5.3 U	9.23 U	9.32 U	8.99 U
Xylenes (total)	ug/kg	11 U	12 U	1100 R	11 U			

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
R - Qualified as unusable

Table 6-7
VOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	PSS-K04-001 SB 5/4/2004 1	PSS-K04-201 SB 5/4/2004 1	PSS-K05-001 SB 5/5/2004 1	PSS-K06-001 SB 5/5/2004 1	PSS-K07-001 SB 5/5/2004 1	PSS-K08-001 SB 5/5/2004 1	PSS-K09-001 SB 5/5/2004 1
Volatile Organic Compounds	**Units**							
1,1,1-Trichloroethane	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
1,1,2-Trichloroethane	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
1,1-Dichloroethene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
1,2-Dichloropropane	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
2-Butanone	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
2-Hexanone	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Acetone	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Carbon tetrachloride	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Chlorobenzene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Chloroform	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
cis-1,2-Dichloroethene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Dichlorodifluoromethane	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Methylene chloride	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Naphthalene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Tetrachloroethene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Toluene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
trans-1,2-Dichloroethene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Trichloroethene	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Trichlorofluoromethane	ug/kg							
Vinyl chloride	ug/kg	8.37 U	8.68 U	9.06 U	8.80 U	7.74 U	9.21 U	8.53 U
Xylenes (total)	ug/kg							

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
R - Qualified as unusable

Table 6-7
VOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	PSS-K10-001	S-074	S-074	S-076	S-076	S-084	S-084	S-085	S-085
	Sample Media:	SB	SS	SB	SS	SB	SS	SB	SS	SB
	Sample Date:	5/5/2004	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1	1 - 2	4 -6	1 - 2	4 - 6	1 - 2	4 - 6	1 - 2	4 - 6
Volatile Organic Compounds	**Units**									
1,1,1-Trichloroethane	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	31 U
1,1,2-Trichloroethane	ug/kg	8.29 U								
1,1-Dichloroethene	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	31 U
1,2-Dichloropropane	ug/kg	8.29 U								
2-Butanone	ug/kg	8.29 U	4 U	3.4 U	**6**	**6.1**	3.6 U	**4.6**	29 U	31 U
2-Hexanone	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	**5.1**	3.5 U	29 U	31 U
Acetone	ug/kg	8.29 U	**37**	10 U	**31**	**19**	**14**	**16 J**	59 U	63 U
Carbon tetrachloride	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	31 U
Chlorobenzene	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	**69**
Chloroform	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	31 U
cis-1,2-Dichloroethene	ug/kg	8.29 U	4 U	**3.5**	3.4 U	3.6 U	3.6 U	**10**	**110**	**350**
Dichlorodifluoromethane	ug/kg	8.29 U								
Methylene chloride	ug/kg	8.29 U	12 U	10 U	10 U	11 U	11 U	7 U	59 U	63 U
Naphthalene	ug/kg	8.29 U								
Tetrachloroethene	ug/kg	8.29 U								
Toluene	ug/kg	8.29 U								
trans-1,2-Dichloroethene	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	31 U
Trichloroethene	ug/kg	8.29 U	**10**	**42**	**20**	**51**	**140**	**2000**	**1600**	**18000**
Trichlorofluoromethane	ug/kg									
Vinyl chloride	ug/kg	8.29 U	4 U	3.4 U	3.4 U	3.6 U	3.6 U	3.5 U	29 U	31 U
Xylenes (total)	ug/kg									

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
R - Qualified as unusable

Table 6-7
VOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-087 / SS / 1/1/2000 / 1 - 2	S-087 / SB / 1/1/2000 / 5 - 7	S-088 / SS / 1/1/2000 / 1 - 2	S-088 / SB / 1/1/2000 / 4 - 6
Volatile Organic Compounds	**Units**				
1,1,1-Trichloroethane	ug/kg	4 U	30 U	3.6 U	3.1 U
1,1,2-Trichloroethane	ug/kg				
1,1-Dichloroethene	ug/kg	4 U	30 U	3.6 U	3.1 U
1,2-Dichloropropane	ug/kg				
2-Butanone	ug/kg	16 U	30 U	**5.5**	**4.4**
2-Hexanone	ug/kg	4 U	30 U	3.6 U	3.1 U
Acetone	ug/kg	**76**	61 U	**26**	**24**
Carbon tetrachloride	ug/kg	4 U	30 U	3.6 U	3.1 U
Chlorobenzene	ug/kg	**12**	30 U	3.6 U	3.1 U
Chloroform	ug/kg	4 U	30 U	3.6 U	3.1 U
cis-1,2-Dichloroethene	ug/kg	**150**	**170**	3.6 U	**4**
Dichlorodifluoromethane	ug/kg				
Methylene chloride	ug/kg	12 U	61 U	11 U	9.3 U
Naphthalene	ug/kg				
Tetrachloroethene	ug/kg				
Toluene	ug/kg				
trans-1,2-Dichloroethene	ug/kg	4 U	30 U	3.6 U	3.1 U
Trichloroethene	ug/kg	**130**	**1300**	**22**	**16**
Trichlorofluoromethane	ug/kg				
Vinyl chloride	ug/kg	4 U	30 U	3.6 U	3.1 U
Xylenes (total)	ug/kg				

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
R - Qualified as unusable

Table 6-7
VOC Mobile Lab Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-001 02-03	S-002 02-03	S-003 02-03	S-004 05-06	S-005 02-03	S-006 00-03	S-007 02-03	S-008 02-03
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	2 - 3	2 - 3	2 - 3	5 - 6	2 - 3	0 - 3	2 - 3	2 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.23 U	1.17 U	1.33 U	1.16 U	1.16 U	1.22 U	1.29 U	1.07 U
cis-1,2-Dichloroethene	ug/kg	6.16 U	5.86 U	6.67 U	5.79 U	5.78 U	6.1 U	6.43 U	5.36 U
Tetrachloroethene	ug/kg	**1.23**	**1.17**	**1.33**	**1.16**	1.16 U	1.22 U	1.29 U	1.07 U
Trichloroethene	ug/kg	1.23 U	1.17 U	1.33 U	1.16 U	1.16 U	1.22 U	1.29 U	1.07 U

Analyte	Sample Location:	S-009 00-03	S-010 02-03	S-011 02-03	S-012 02-03	S-013 02-03	S-014 02-03	S-015 02-03	S-016 02-03
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.11 U	1.13 U	1.19 U	1.1 U	1.17 U	1.19 U	1.08 U	1.19 U
cis-1,2-Dichloroethene	ug/kg	5.56 U	5.66 U	5.95 U	5.51 U	5.86 U	5.94 U	5.4 U	5.94 U
Tetrachloroethene	ug/kg	1.11 U	1.13 U	1.19 U	1.1 U	1.17 U	1.19 U	1.08 U	1.19 U
Trichloroethene	ug/kg	1.11 U	1.13 U	1.19 U	1.1 U	1.17 U	1.19 U	1.08 U	1.19 U

Analyte	Sample Location:	S-017 02-03	S-019 02-03	S-020 02-03	S-021 05-06	S-022 05-06	S-023 02-03	S-024 02-03	S-025 02-03
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	2 - 3	2 - 3	2 - 3	5 - 6	5 - 6	2 - 3	2 - 3	2 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.38 U	1.25 U	1.14 U	1.14 U	1.12 U	1.3 U	1.29 U	1.34 U
cis-1,2-Dichloroethene	ug/kg	**66.1**	6.23 U	5.72 U	5.69 U	5.59 U	6.51 U	6.44 U	6.69 U
Tetrachloroethene	ug/kg	1.38 U	1.25 U	1.14 U	1.14 U	1.12 U	1.3 U	1.29 U	1.34 U
Trichloroethene	ug/kg	1.38 U	1.25 U	1.14 U	1.14 U	**2.42**	1.3 U	1.29 U	1.34 U

Notes:
SB - Subsurface Soil
U - Qualified as undetected
D - Diluted for analysis

Table 6-7
VOC Mobile Lab Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-026	S-027	S-028	S-029	S-030	S-031	S-032	S-066
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	2 - 3	1 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.16 U	1.19 U	1.25 U	1.43 U	1.28 U	1.13 U	1.08 U	1.61 U
cis-1,2-Dichloroethene	ug/kg	5.81 U	**88.9**	6.23 U	7.16 U	6.4 U	5.64 U	**11.9**	8.06 U
Tetrachloroethene	ug/kg	1.16 U	1.19 U	1.25 U	1.43 U	1.28 U	1.13 U	1.08 U	1.61 U
Trichloroethene	ug/kg	1.16 U	1.19 U	1.25 U	1.43 U	1.28 U	1.13 U	1.08 U	1.61 U

Analyte	Sample Location:	S-066	S-066	S-067	S-067	S-067	S-068	S-068	S-068
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	7 - 9	1 - 3	4 - 6	7 - 9	1 - 3	4 - 6	7 - 9
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.05 U	1.15 U	1.36 U	1.36 U	1.1 U	1.39 U	1.13 U	1.34 U
cis-1,2-Dichloroethene	ug/kg	5.26 U	5.77 U	6.79 U	6.78 U	5.51 U	6.93 U	5.66 U	6.71 U
Tetrachloroethene	ug/kg	1.05 U	1.15 U	1.36 U	1.36 U	1.1 U	1.39 U	1.13 U	1.34 U
Trichloroethene	ug/kg	1.05 U	1.15 U	1.36 U	1.36 U	1.1 U	1.39 U	1.13 U	1.34 U

Analyte	Sample Location:	S-069	S-069	S-069	S-070	S-070	S-071	S-071	S-071
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	7 - 9	1 - 3	4 - 6	1 - 3	4 - 6	7 - 9
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.31 U	1.2 U	1 U	1 U	1 U	2 U	1.35 U	1.27 U
cis-1,2-Dichloroethene	ug/kg	6.56 U	6.02 U	6 U	7 U	7 U	8 U	6.77 U	**8.43**
Tetrachloroethene	ug/kg	1.31 U	1.2 U	1 U	1 U	1 U	2 U	1.35 U	1.27 U
Trichloroethene	ug/kg	1.31 U	1.2 U	1 U	1 U	1 U	2 U	1.35 U	**1.5**

Notes:
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D - Diluted for analysis

Table 6-7
VOC Mobile Lab Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-072	S-072	S-073	S-073	S-074	S-074	S-075	S-077
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6	4 - 6	1 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.59 U	1.31 U	1.29 U	1.3 U	1.41 U	1.26 U	1.38 U	1.27 U
cis-1,2-Dichloroethene	ug/kg	7.94 U	6.54 U	6.44 U	6.48 U	7.03 U	6.29 U	**80.6**	**79.9**
Tetrachloroethene	ug/kg	1.59 U	1.31 U	1.29 U	1.3 U	1.41 U	1.26 U	1.38 U	1.27 U
Trichloroethene	ug/kg	1.59 U	1.31 U	1.29 U	1.3 U	**7.52**	**31.9**	**1260**	**33.1**

Analyte	Sample Location:	S-077	S-078	S-078	S-079	S-079	S-080	S-080	S-081
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	1 - 3	4 - 6	3 - 5	8 - 10	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.42 U	1.1 U	1.01 U	1.29 U	1.13 U	0.95 U	1.09 U	1 U
cis-1,2-Dichloroethene	ug/kg	**117**	5.49 U	5.03 U	6.43 U	5.65 U	4.73 U	5.47 U	5 U
Tetrachloroethene	ug/kg	1.42 U	1.1 U	1.01 U	1.29 U	1.13 U	0.95 U	1.09 U	1 U
Trichloroethene	ug/kg	**793**	1.1 U	**3.79**	1.29 U	1.13 U	0.95 U	1.09 U	1 U

Analyte	Sample Location:	S-081	S-082	S-082	S-083	S-083	S-084	S-084	S-085
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.1 U	0.98 U	0.97 U	1.01 U	0.92 U	0.94 U	0.98 U	1.13 U
cis-1,2-Dichloroethene	ug/kg	5.51 U	4.89 U	4.85 U	5.03 U	4.59 U	4.7 U	**5.71**	**68.7**
Tetrachloroethene	ug/kg	1.1 U	0.98 U	0.97 U	1.01 U	0.92 U	0.94 U	0.98 U	1.13 U
Trichloroethene	ug/kg	1.1 U	0.98 U	0.97 U	1.01 U	0.92 U	**191**	**817**	**2960**

Notes:
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Table 6-7
VOC Mobile Lab Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-085	S-086	S-086	S-087	S-087	S-088	S-088	S-117
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	2 - 4	5 - 7	2 - 4	5 - 7	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	1.26 U	0.96 U	1.25 U	1.24 U	1.21 U	1.03 U	1.04 U	1.27 U
cis-1,2-Dichloroethene	ug/kg	**144 D**	4.81 U	6.27 U	**116**	**167 D**	5.15 U	**5.57**	6.37 U
Tetrachloroethene	ug/kg	11.3 U	0.96 U	1.25 U	1.24 U	**1.21**	1.03 U	1.04 U	1.27 U
Trichloroethene	ug/kg	**23100**	0.96 U	1.25 U	**104**	**3080**	**17.6**	**29.7**	1.27 U

Analyte	Sample Location:	S-117	S-117	S-185	S-185	S-186	S-186	S-187	S-187
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	9 - 11	1 - 3	4 - 6	1 - 3	3 - 5	1 - 3	3 - 5
Volatile Organic Compounds	**Units**								
Carbon tetrachloride	ug/kg	0.95 U	0.93 U	1.19 U	1.08 U	1.1 U	1.05 U	1.31 U	1.16 U
cis-1,2-Dichloroethene	ug/kg	4.73 U	4.64 U	5.94 U	5.38 U	5.51 U	5.25 U	6.57 U	5.78 U
Tetrachloroethene	ug/kg	0.95 U	**0.93**	1.19 U	1.08 U	1.1 U	1.05 U	1.31 U	1.16 U
Trichloroethene	ug/kg	0.95 U	0.93 U	1.19 U	1.08 U	1.1 U	1.05 U	1.31 U	1.16 U

Analyte	Sample Location:	S-187	S-198	S-198	S-199	S-199	S-286	S-286
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.08 U	1.28 U	1.03 U	1.01 U	1.14 U	1.37 U	1.02 U
cis-1,2-Dichloroethene	ug/kg	5.39 U	6.39 U	5.13 U	5.04 U	5.69 U	6.83 U	5.11 U
Tetrachloroethene	ug/kg	1.08 U	1.28 U	1.03 U	1.01 U	1.14 U	1.37 U	1.02 U
Trichloroethene	ug/kg	1.08 U	1.28 U	1.03 U	1.01 U	1.14 U	1.37 U	1.02 U

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Table 6-7
SVOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-K03-005 SB 7/24/2003 5	GPS-K03-022 SB 7/24/2003 22	GPS-K04-005 SB 7/24/2003 5	GPS-K04-022 SB 7/24/2003 22	GPS-K04-222 SB 7/24/2003 22	GPS-K05-005 SB 7/24/2003 5	GPS-K05-021 SB 7/24/2003 21
Semivolatile Organic Compounds	**Units**							
2-Methylnaphthalene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Acenaphthene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Anthracene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Benzo(a)anthracene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Benzo(a)pyrene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Benzo(b)fluoranthene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Benzo(g,h,i)perylene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Benzo(k)fluoranthene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
bis(2-Ethylhexyl)phthalate	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Carbazole	ug/kg							
Chrysene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Dibenz(a,h)anthracene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Dibenzofuran	ug/kg							
Di-n-butylphthalate	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Fluoranthene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Fluorene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Indeno(1,2,3-cd)pyrene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Naphthalene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Phenanthrene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Phenol	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U
Pyrene	ug/kg	420 U	420 U	390 U	420 U	410 U	410 U	410 U

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Table 6-7
SVOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-K06-005 SB 7/24/2003 5	PSS-K01-0_5 SS 5/5/2004 0 - 0.5	PSS-K01-2_5 SB 5/5/2004 2.5	PSS-K03-0_5 SS 5/5/2004 0 - 0.5	PSS-K05-0_5 SS 5/5/2004 0 - 0.5	PSS-K07-0_5 SS 5/5/2004 0 - 0.5	PSS-K09-0_5 SS 5/5/2004 0 - 0.5
Semivolatile Organic Compounds	**Units**							
2-Methylnaphthalene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Acenaphthene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Anthracene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Benzo(a)anthracene	ug/kg	410 U	420 U	420 U	440 U	420 U	**240 J**	**390 J**
Benzo(a)pyrene	ug/kg	410 U	420 U	420 U	440 U	420 U	**240 J**	**360 J**
Benzo(b)fluoranthene	ug/kg	410 U	420 U	420 U	440 U	420 U	**310 J**	**450**
Benzo(g,h,i)perylene	ug/kg	410 U	420 U	420 U	440 U	420 U	**180 J**	**240 J**
Benzo(k)fluoranthene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
bis(2-Ethylhexyl)phthalate	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Carbazole	ug/kg							
Chrysene	ug/kg	410 U	420 U	420 U	440 U	420 U	**270 J**	**420**
Dibenz(a,h)anthracene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Dibenzofuran	ug/kg							
Di-n-butylphthalate	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Fluoranthene	ug/kg	410 U	420 U	420 U	440 U	420 U	**580**	**990**
Fluorene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Indeno(1,2,3-cd)pyrene	ug/kg	410 U	420 U	420 U	440 U	420 U	**180 J**	**270 J**
Naphthalene	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Phenanthrene	ug/kg	410 U	420 U	420 U	440 U	420 U	**320 J**	**630**
Phenol	ug/kg	410 U	420 U	420 U	440 U	420 U	410 U	420 U
Pyrene	ug/kg	410 U	420 U	420 U	440 U	420 U	**360 J**	**640**

Notes:
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D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-7
SVOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-071 SS 1/1/2000 0 - 0.5	SS-072 SS 1/1/2000 0 - 0.5	SS-073 SS 1/1/2000 0 - 0.5	SS-095 SS 1/1/2000 0 - 0.5	SS-096 SS 1/1/2000 0 - 0.5	SS-097 SS 1/1/2000 0 - 0.5	SS-098 SS 1/1/2000 0 - 0.5	SS-099 SS 1/1/2000 0 - 0.5
Semivolatile Organic Compounds	**Units**								
2-Methylnaphthalene	ug/kg	**240 J**	370 U	360 U	410 U	400 U	400 U	400 U	440 UJ*
Acenaphthene	ug/kg	**860**	**250 J**	360 U	410 U	400 U	400 U	**65 J**	440 UJ*
Anthracene	ug/kg	**830**	**280 J**	360 U	**65 J**	400 U	400 U	**92 J**	**55 J**
Benzo(a)anthracene	ug/kg	3400 U	**1000**	360 U	**150 J**	400 U	400 U	**570**	**200 J**
Benzo(a)pyrene	ug/kg	**3500 B,D**	**840 B**	360 U	**110 J,B**	400 U	**65 J,B**	**640 B**	**140 J,B**
Benzo(b)fluoranthene	ug/kg	**5400 D**	**1300**	360 U	**290 J**	400 U	400 U	**900**	**240 J**
Benzo(g,h,i)perylene	ug/kg	**2200**	**570**	360 U	**92 J,B**	**70 J,B**	400 U	**450 B**	**120 J,B**
Benzo(k)fluoranthene	ug/kg	**2000 B**	**510 B**	360 U	410 U	400 U	400 U	**350 J,B**	**79 J,B**
bis(2-Ethylhexyl)phthalate	ug/kg	360 U	370 U	360 U	**540**	400 U	400 U	**170 J**	**93 J**
Carbazole	ug/kg	**1300**	**310 J**	360 U	410 U	400 U	400 U	**110 J**	440 U
Chrysene	ug/kg	**4600 D**	**1200**	360 U	**160 J**	400 U	**68 J**	**930**	**250 J**
Dibenz(a,h)anthracene	ug/kg	**510**	**140 J**	360 U	410 U	400 U	400 U	400 U	440 U
Dibenzofuran	ug/kg	**770**	**170 J**	360 U	410 U	400 U	400 U	400 U	440 UJ*
Di-n-butylphthalate	ug/kg	360 U	370 U	360 U	410 U	400 U	400 U	400 U	440 UJ*
Fluoranthene	ug/kg	**11000 D**	**2300**	360 U	**340 J**	**74 J**	**140 J**	**1300**	**490 J***
Fluorene	ug/kg	**790**	**220 J**	360 U	410 U	400 U	400 U	400 U	440 UJ*
Indeno(1,2,3-cd)pyrene	ug/kg	**2300**	**620**	360 U	**76 J,B**	**69 J,B**	400 U	**320 J,B**	**100 J,B**
Naphthalene	ug/kg	**1200**	**270 J**	360 U	410 U	400 U	400 U	400 U	440 UJ*
Phenanthrene	ug/kg	**9700 D**	**1900**	360 U	**290 J**	400 U	**76 J**	**750**	**340 J**
Phenol	ug/kg	360 U	370 U	360 U	410 U	400 U	400 U	400 U	440 UJ*
Pyrene	ug/kg	**8300 D**	**1800**	360 U	**350 J**	400 U	**110 J**	**1200**	**450 J***

Notes:
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J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-7
SVOC Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-100 SS 1/1/2000 0 - 0.5	SS-101 SS 1/1/2000 0 - 0.5	SS-102 SS 1/1/2000 0 - 0.5	SS-103 SS 1/1/2000 0 - 0.5	SS-104 SS 1/1/2000 0 - 0.5
Semivolatile Organic Compounds	**Units**					
2-Methylnaphthalene	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Acenaphthene	ug/kg	360 U	400 U	370 U	390 UJ*	**56 J**
Anthracene	ug/kg	360 U	400 U	370 U	390 UJ*	**110 J**
Benzo(a)anthracene	ug/kg	**160 J**	400 U	**100 J**	390 UJ*	**270 J**
Benzo(a)pyrene	ug/kg	**150 J,B**	400 U	**99 J**	390 UJ*	**220 J**
Benzo(b)fluoranthene	ug/kg	**380**	400 U	**190 J**	390 UJ*	**290 J**
Benzo(g,h,i)perylene	ug/kg	**83 J,B**	400 U	**57 J**	390 UJ*	**180 J**
Benzo(k)fluoranthene	ug/kg	360 U	400 U	370 U	390 UJ*	**170 J**
bis(2-Ethylhexyl)phthalate	ug/kg	360 U	400 U	370 U	**3600 D,J***	410 U
Carbazole	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Chrysene	ug/kg	**170 J**	400 U	**180 J**	390 UJ*	**380 J**
Dibenz(a,h)anthracene	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Dibenzofuran	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Di-n-butylphthalate	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Fluoranthene	ug/kg	**320 J**	400 U	**280 J**	390 UJ*	**670**
Fluorene	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Indeno(1,2,3-cd)pyrene	ug/kg	**76 J,B**	400 U	370 U	390 UJ*	**150 J**
Naphthalene	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Phenanthrene	ug/kg	**190 J**	400 U	**220 J**	390 UJ*	**520**
Phenol	ug/kg	360 U	400 U	370 U	390 UJ*	410 U
Pyrene	ug/kg	**310 J**	400 U	**290 J**	390 UJ*	**630**

Notes:
Bold indicates that compound was detected.
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SS - Surface Soil
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J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-7
Inorganic Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	GPS-K03-005 SB 7/24/2003 5	GPS-K03-022 SB 7/24/2003 22	GPS-K04-005 SB 7/24/2003 5	GPS-K04-022 SB 7/24/2003 22	GPS-K04-222 SB 7/24/2003 22	GPS-K05-005 SB 7/24/2003 5	GPS-K05-021 SB 7/24/2003 21
Inorganics	**Units**							
Aluminum	mg/kg							
Antimony	mg/kg	12.8 UJ	12.7 UJ	11.9 UJ	12.7 UJ	12.6 UJ	12.5 UJ	12.5 UJ
Arsenic	mg/kg	**4.83**	**2.82**	**5.56**	**2.82**	**0.748 J**	**7.76**	**3.15**
Barium	mg/kg	**92.5 J**	**113 J**	**164 J**	1.27 R	1.26 R	**223 J**	**171 J**
Beryllium	mg/kg	**0.496 J**	**0.609 J**	**0.476 J**	**0.541 J**	**0.435 J**	**0.441 J**	**0.512 J**
Cadmium	mg/kg	1.28 UJ	1.27 UJ	1.19 UJ	1.27 UJ	1.26 UJ	1.25 UJ	1.25 UJ
Chromium	mg/kg	**19.6**	**16.6**	**20**	**16.3**	**13.5**	**19.9**	**17.9**
Cobalt	mg/kg							
Copper	mg/kg	**18.3**	**12.4**	**16.1**	**11.5**	**9.48**	**16**	**12.7**
Lead	mg/kg	**12**	**10.4**	**12.4**	**8.39**	**6.31**	**13.8**	**10.3**
Manganese	mg/kg							
Mercury	mg/kg	0.128 U	0.127 U	0.119 U	0.127 U	0.126 U	0.125 U	0.125 U
Nickel	mg/kg	**15.4**	**18.9**	**14.8**	**17.7**	**14.4**	**15.6**	**14.9**
Selenium	mg/kg	**1.5**	**2.38**	**1.54**	**0.808 J**	**1.84**	**1.64**	**1.79**
Thallium	mg/kg	2.56 U	2.54 U	2.39 U	2.54 U	2.51 U	2.5 U	2.49 U
Vanadium	mg/kg							
Zinc	mg/kg	**51.5**	**46.4**	**54.2**	**41**	**32.6**	**51.9**	**42.2**

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Suface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-7
Inorganic Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	GPS-K06-005 / SB / 7/24/2003 / 5	PSS-K01-0_5 / SS / 5/5/2004 / 0 - 0.5	PSS-K01-2_5 / SB / 5/5/2004 / 2.5	PSS-K03-0_5 / SS / 5/5/2004 / 0 - 0.5	PSS-K05-0_5 / SS / 5/5/2004 / 0 - 0.5	PSS-K07-0_5 / SS / 5/5/2004 / 0 - 0.5	PSS-K09-0_5 / SS / 5/5/2004 / 0 - 0.5
Inorganics	**Units**							
Aluminum	mg/kg							
Antimony	mg/kg	12.4 UJ	12.8 U	**2.95 J**	13.2 U	12.7 U	12.3 U	12.6 U
Arsenic	mg/kg	**3.65**	**5.46 J**	**6.42 J**	**6.08 J**	**6.44 J**	**4.66 J**	**5.29 J**
Barium	mg/kg	**327 J**	**159**	**200**	**189**	**157**	**101**	**135**
Beryllium	mg/kg	**0.511 J**	**0.808 J**	**1.02 J**	**1.06 J**	**0.979 J**	**0.845 J**	**1.26 J**
Cadmium	mg/kg	1.24 UJ	**0.67 J**	**0.847 J**	**0.788 J**	**0.85 J**	**2.24**	1.26 U
Chromium	mg/kg	**16**	**13.7 J**	**17.3 J**	**18.9 J**	**18.2 J**	**16.6 J**	**25.3 J**
Cobalt	mg/kg							
Copper	mg/kg	**13.6**	**13.3**	**16.7**	**16.1**	**15.5**	**13.8**	**15.6**
Lead	mg/kg	**11.2**	**9.22 J**	**11.6 J**	**15.8 J**	**13.3 J**	**16.6 J**	**25.9 J**
Manganese	mg/kg							
Mercury	mg/kg	0.124 U	0.128 U	0.126 U	0.132 U	0.127 U	0.123 U	0.126 U
Nickel	mg/kg	**14**	**15.6 J**	**19.6 J**	**17.5 J**	**16.9 J**	**10.7 J**	**15.4 J**
Selenium	mg/kg	**1.4**	**0.604 J**	**0.716 J**	**0.909 J**	**0.571 J**	**0.582 J**	**0.387 J**
Thallium	mg/kg	2.47 U	2.57 U	2.53 U	2.64 U	2.54 U	2.47 U	2.53 U
Vanadium	mg/kg							
Zinc	mg/kg	**44.3**	**49.2**	**62.2**	**62.5**	**58.6**	**46.1**	**71.6**

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Suface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-7
Inorganic Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	SS-071 / SS / 1/1/2000 / 0 - 0.5	SS-072 / SS / 1/1/2000 / 0 - 0.5	SS-073 / SS / 1/1/2000 / 0 - 0.5	SS-074 / SS / 1/1/2000 / 0 - 0.5	SS-075 / SS / 1/1/2000 / 0 - 0.5	SS-076 / SS / 1/1/2000 / 0 - 0.5	SS-095 / SS / 1/1/2000 / 0 - 0.5	SS-096 / SS / 1/1/2000 / 0 - 0.5	SS-097 / SS / 1/1/2000 / 0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**10000**	**13400**	**10300**	**21100**	**12300**	**15800**	**14900**	**15400**	**14700**
Antimony	mg/kg	1.06 U	1.08 U	1.05 U	1.03 U	1.06 U	1.04 U	1.22 U	1.1 U	1.11 U
Arsenic	mg/kg	**3.34 J***	**2.21 J***	**0.533 J***	**0.64 J***	0.531 UJ*	0.519 UJ*	**0.951 J***	**0.648 J***	**1.5 J***
Barium	mg/kg									
Beryllium	mg/kg	**0.543**	**0.796**	**0.661**	**0.997**	**0.738**	**0.769**	**0.775**	**0.741**	**0.693**
Cadmium	mg/kg	**1.01**	**0.824**	**0.634**	**0.548**	**0.531 ND**	**0.667**	**0.736**	**0.551 ND**	**0.652**
Chromium	mg/kg	**12.8**	**15.6**	**12.8**	**20.6**	**13.8**	**16.4**	**16**	**15.6**	**15.8**
Cobalt	mg/kg	**5.52**	**7.2**	**8.97**	**8.7**	**7.56**	**7.88**	**6.94**	**6.57**	**6.12**
Copper	mg/kg	**12.3**	**15.8**	**11.4**	**15.4**	**11.9**	**13.7**	**14.6**	**12.3**	**12.6**
Lead	mg/kg	**11.8**	**35.9**	**24.4**	**22.7**	**19.4**	**23.6**	**13.6 B**	**11.5 B**	**11.7 B**
Manganese	mg/kg	**301**	**318**	**618**	**297**	**397**	**482**	**382**	**346**	**271**
Mercury	mg/kg	0.167 U	0.171 U	0.169 U	0.166 U	0.163 U	0.165 U	0.191 U	0.187 U	0.188 U
Nickel	mg/kg	**16.4**	**14.8**	**13**	**16.9**	**12.2**	**13.4**	**17**	**15**	**15.7**
Selenium	mg/kg	**5.64**	**2.04**	1.05 U	1.03 U	1.06 U	1.04 U	**2.34**	**1.63**	**1.9**
Thallium	mg/kg	1.7 U	1.72 U	1.67 U	1.65 U	1.7 U	1.66 U	1.95 UJ*	1.76 UJ*	1.78 UJ*
Vanadium	mg/kg	**43.5**	**28.8**	**25.6**	**40.4**	**29.1**	**34.1**	**43.4**	**39.9**	**44.8**
Zinc	mg/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Suface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-7
Inorganic Soil Detections
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	SS-098	SS-099	SS-100	SS-101	SS-102	SS-103	SS-104
	Sample Media:	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**							
Aluminum	mg/kg	**21500**	**12600**	**12800**	**23000**	**24400**	**22200**	**16500**
Antimony	mg/kg	1.21 U	1.29 U	1.08 U	1.11 U	1.04 UJ*	1.13 UJ*	1.16 UJ*
Arsenic	mg/kg	0.605 UJ*	0.646 UJ*	**3.49 J***	0.554 UJ*	0.521 U	**2.5**	**0.845**
Barium	mg/kg							
Beryllium	mg/kg	**0.961**	**0.612**	**0.606**	**1.03**	**1.24**	**1.16**	**1.02**
Cadmium	mg/kg	**0.995**	**1.09**	**0.625**	**0.639**	**3.84 J***	**3.81**	**2.57 J***
Chromium	mg/kg	**22.2**	**13.9**	**16.1**	**22.2**	**25.5**	**23.9**	**17.7**
Cobalt	mg/kg	**8.04**	**5.8**	**5.12**	**7.87**	**7.99**	**8.32**	**8.13**
Copper	mg/kg	**17.8**	**15.6**	**11.4**	**17.8**	**20.1**	**21.7**	**15.4**
Lead	mg/kg	**23.8 B**	**17.9 B**	**15.3 B**	**15.2 B**	**36.6 B**	**19.2 B**	**17.5 B**
Manganese	mg/kg	**331**	**452**	**291**	**321**	**414**	**401**	**435**
Mercury	mg/kg	0.188 U	0.205 U	0.166 U	0.186 U	0.173 U	0.18 U	0.193 U
Nickel	mg/kg	**18.4**	**13.8**	**12.7**	**17.2**	**18.3**	**24.8**	**18.8**
Selenium	mg/kg	**1.62**	**1.94**	**8.58**	**1.58**	**1.92**	**4.18**	1.16 U
Thallium	mg/kg	1.93 UJ*	2.07 UJ*	1.72 UJ*	1.77 UJ*	1.67 U	1.8 U	1.85 U
Vanadium	mg/kg	**48.5**	**33.5**	**34.9**	**48.2**	**50.3**	**74.7**	**40.6**
Zinc	mg/kg							

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Suface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-8
Proposed Analytical Samples
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)
1C01	H	GWXX	TBD	Groundwater	X	X			GWXXDUP	GW11	GW01QA	GW01X
		GWYY	TBD	Groundwater	X							
		(Notes 10, 11)	(Note 10)	Groundwater	X							
	J	GWXX	TBD	Groundwater	X							
		GWYY	TBD	Groundwater	X	X			GWYYDUP	GW22	GW02QA	
		(Notes 10, 11)	(Note 10)	Groundwater	X							
	K	GWXX	TBD	Groundwater	X							
		GWYY	TBD	Groundwater	X							
		(Notes 10, 11)	(Note 10)	Groundwater	X	X						
	Note 13	GWXX	TBD	Groundwater	X							
		GWYY	TBD	Groundwater	X							
		(Notes 10, 11)	(Note 10)	Groundwater	X							
1C01	AT	SS01	0 - 6"	Soil			X	X		SS11	SS01QA	
(Note 14)		SB01	0.5 - 2'	Soil		X						
	AU	SS01	0 - 6"	Soil			X	X				SS01X
		SB01	0.5 - 2'	Soil		X						SB01X
	AV	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	AW	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	AX	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	AY	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	AZ	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BA	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BB	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BC	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BD	SS01	0 - 6"	Soil			X	X		SS11	SS01QA	
		SB01	0.5 - 2'	Soil		X						

Table 6-8
Proposed Analytical Samples
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)
	BE	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BF	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BG	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BH	SS01	0 - 6"	Soil			X	X				SS01X
		SB01	0.5 - 2'	Soil		X						SB01X
	BI	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BJ	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BK	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BL	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BM	SS01	0 - 6"	Soil			X	X		SS11	SS01QA	
		SB01	0.5 - 2'	Soil		X						
	BN	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
	BO	SS01	0 - 6"	Soil			X	X				
		SB01	0.5 - 2'	Soil		X						
B837	99MXX	GW01	NA	Groundwater		X						

Table 6-8
Proposed Analytical Samples
Building 837 and Former Building 847
Former Schilling Air Force Base
Salina, Kansas

					Parameters				QA/QC Sample Designator			
Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site SVOCs (Note 4)	RCRA Metals (Note 5)	On-Site Duplicate (Note 6)	Off-Site Duplicate (Notes 7, 12)	QA Sample (Notes 8, 12)	MS/MSD (Notes 9, 12)

Notes:
This table shows the general sampling requirements and sample labeling scheme. Due to the interative nature of the field activities at this location, this table will not list all sample requirements for collection in the field. These are unknown at this time.

1. On-site VOCs include tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and 1,1-dichloroethene.
2. One groundwater sample per each ten on-site GC analyses will be sent to an off-site laboratory as a confirmation sample.
3. Off-site VOC analysis will be performed using Method SW-846 5030B/8260B.
4. Off-site SVOCs analyses will be performed using Method SW-846 3550B/8270D (soil) and 3510B/8270D (water).
5. Off-site RCRA metals analyses will be performed using Method SW-846 3010/6010B and 7471A (soil) and SW-846 3010A/6010C and 7470A (water).
6. One on-site duplicate will be conducted per 10 on-site analyses.
7. One off-site duplicate will be conducted per 10 off-site analyses.
8. Each off-site duplicate will also have a QA split sample sent to the USACE QA Lab.
9. One set of MS/MSD samples will be collected per each 20 off-site VOC analyses.
10. One groundwater sample will be collected per each 15 ft interval of saturated thickness. The number of groundwater samples collected at each sample point will depend on the saturated thickness of the aquifer.
11. XX, YY, …. indicate depth bgs of sample collection.
12. QA/QC samples to be numbered per sample depth interval with "11" and "01"as deepest sample depth interval.
13. See Figure 6-8 for other sample points.
14. Soil sample from 0.5 - 2' will be collected from the interval with the highest PID reading.

bgs - below ground surface
MS - matrix spike
MSD - matrix spike duplicate
NA - Not Applicable
QA - quality assurance
TBD - to be determined
VOCs - volatile organic compounds

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	02M45 01/27/97	02M45 09/21/99	02M45-W0504 05/02/04	02M45-W0603 06/25/03	02M46 01/28/97	02M46 09/15/99	02M46-W0504 05/02/04	02M46-W0603 06/25/03
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	0.4 U	2 U	0.5 U	1 U	0.4 U	2 U	0.5 U
1,1,2-Trichloroethane	ug/L	1 U	0.42 U	2 U	0.7 U	1 U	0.42 U	2 U	0.7 U
1,1-Dichloroethane	ug/L	1 U	0.51 U	2 U	0.5 U	1 U	0.51 U	**0.78 J**	**0.61**
1,1-Dichloroethene	ug/L	1 U	0.97 U	**0.26 J**	**0.28 J**	1 U	0.97 U	**2.3**	**1.8**
1,2,4-Trichlorobenzene	ug/L		0.8 U	2 U	0.6 U		0.8 U	2 U	0.6 U
1,2,4-Trimethylbenzene	ug/L		0.42 U	2 U	0.5 U		0.42 U	2 U	0.5 U
1,2-Dichlorobenzene	ug/L		0.31 U	2 U	0.5 U		0.31 U	2 U	0.5 U
1,2-Dichloroethane	ug/L	1 U	0.48 U	2 U	0.5 U	1 U	0.48 U	2 U	0.5 U
1,2-Dichloropropane	ug/L	**3**	**2.09 J**	**1.73 J**	**1.4**	1 U	0.58 U	**2.01**	**1.4**
1,3,5-Trimethylbenzene	ug/L		0.49 U	2 U	0.5 U		0.49 U	2 U	0.5 U
1,4-Dichlorobenzene	ug/L		0.24 U	2 U	0.5 U		0.24 U	2 U	0.5 U
2-Butanone	ug/L	5 U	1 U	2 U	10 U	5 U	1 U	2 U	10 U
4-Chlorotoluene	ug/L		0.33 U	2 U	0.6 U		0.33 U	2 U	0.6 U
Acetone	ug/L	5 U	1 U	2 U	10 U	5 U	1 U	2 U	10 U
Benzene	ug/L	1 U	0.34 U	2 U	0.5 U	1 U	0.34 U	2 U	0.5 U
Bromodichloromethane	ug/L	1 U	0.52 U	2 U	0.5 U	1 U	0.52 U	2 U	0.5 U
Bromomethane	ug/L	1 U	0.62 U	2 U	1 U	1 U	0.62 U	2 U	1 U
Carbon disulfide	ug/L	1 U		2 U	0.5 U	1 U		2 U	0.5 U
Carbon tetrachloride	ug/L	1 U	0.42 U	2 U	0.5 U	1 U	0.42 U	2 U	0.5 U
Chlorobenzene	ug/L	1 U	0.36 U	2 U	0.5 U	1 U	0.36 U	2 U	0.5 U
Chloroethane	ug/L	1 U	0.56 U	2 U	1 U	1 U	0.56 U	2 U	1 U
Chloroform	ug/L	1 U	0.45 U	2 U	0.5 U	1 U	0.45 U	2 U	0.5 U
cis-1,2-Dichloroethene	ug/L	**3**	**2.39 J**	**2.69**	**2.6**	**2**	0.51 U	**4.34**	**3.9**
Ethylbenzene	ug/L	1 U	0.38 U	2 U	0.5 U	1 U	0.38 U	2 U	0.5 U
Isopropylbenzene	ug/L		0.5 U	2 U	0.5 U		0.5 U	2 U	0.5 U
Methylene chloride	ug/L	**2 FT**	0.42 U	2 U	2 U	**2 FT**	0.42 U	2 U	2 U
m-Xylene and p-Xylene	ug/L	1 U	0.39 U	2 U		1 U	0.39 U	2 U	
Naphthalene	ug/L		0.7 U	2 U	2 U		0.7 U	2 U	2 U
n-Butylbenzene	ug/L		0.93 U	2 U	0.5 U		0.93 U	2 U	0.5 U
n-Propylbenzene	ug/L		0.45 U	2 U	0.5 U		0.45 U	2 U	0.5 U
o-Xylene	ug/L	1 U	0.5 U	2 U		1 U	0.5 U	2 U	
p-Isopropyltoluene	ug/L		0.29 U	2 U	0.6 U		0.29 U	2 U	0.6 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	02M45 01/27/97	02M45 09/21/99	02M45-W0504 05/02/04	02M45-W0603 06/25/03	02M46 01/28/97	02M46 09/15/99	02M46-W0504 05/02/04	02M46-W0603 06/25/03
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L		0.62 U	2 U	0.6 U		0.62 U	2 U	0.6 U
tert-Butylbenzene	ug/L		0.61 U	2 U	0.5 U		0.61 U	2 U	0.5 U
Tetrachloroethene	ug/L	1 U	0.58 U	2 U	0.5 U	1 U	0.58 U	2 U	0.5 U
Toluene	ug/L	1 U	0.77 U	2 U	0.5 U	**0.5 J**	0.77 U	2 U	0.5 U
trans-1,2-Dichloroethene	ug/L	**0.9 J**	0.37 U	**0.62 J**	**0.56**	1 U	0.37 U	2 U	0.5 U
Trichloroethene	ug/L	**20**	**16.41**	**22.8**	**16**	**8**	0.58 U	**13.6**	**11**
Trichlorofluoromethane	ug/L			2 U	0.5 U			2 U	0.5 U
Vinyl chloride	ug/L	1 U	0.61 U	2 U	0.8 U	1 U	0.61 U	2 U	0.8 U
Xylenes (total)	ug/L				3 U				3 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	22M12	22M12 01/01/00	22M12 02/13/97	22M12 09/09/99	22M12-W0504 04/30/04	22M12-W0504-DL 04/30/04	33M09 02/11/97	33M09-W0504 05/03/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	0.18 U	1 U			2 U	20 U		2 U
1,1,2-Trichloroethane	ug/L	0.143 U	1 U			2 U	20 U		2 U
1,1-Dichloroethane	ug/L	0.214 U				2 U	20 U		2 U
1,1-Dichloroethene	ug/L	0.183 U	1 U			2 U	20 U		2 U
1,2,4-Trichlorobenzene	ug/L	0.108 U				2 U	20 U		2 U
1,2,4-Trimethylbenzene	ug/L	59.41 R				**5.53**	**4.2 J**		2 U
1,2-Dichlorobenzene	ug/L	0.141 U				2 U	20 U		2 U
1,2-Dichloroethane	ug/L	0.182 U		1 U		2 U	20 U	**1**	2 U
1,2-Dichloropropane	ug/L	0.119 U	1 U			2 U	20 U		2 U
1,3,5-Trimethylbenzene	ug/L	**18.85**				**11.6**	**8.56 J**		2 U
1,4-Dichlorobenzene	ug/L	0.15 U				2 U	20 U		2 U
2-Butanone	ug/L	0.481 U	6 U			2 U	20 U		2 U
4-Chlorotoluene	ug/L	0.1 U				2 U	20 U		2 U
Acetone	ug/L	0.612 U	1 U			2 U	20 U		2 U
Benzene	ug/L	**102.29**	**23**	**49.5**	**444.5 E**	**103 E**	**69.6**	1 U	2 U
Bromodichloromethane	ug/L	0.135 U				2 U	20 U		2 U
Bromomethane	ug/L	0.201 U				2 U	20 U		2 U
Carbon disulfide	ug/L					2 U	20 U		2 U
Carbon tetrachloride	ug/L	0.137 U	1 U			2 U	20 U		2 U
Chlorobenzene	ug/L	0.156 U	1 U			2 U	20 U		2 U
Chloroethane	ug/L	0.207 U	1 U			2 U	20 U		2 U
Chloroform	ug/L	0.214 U	1 U			2 U	20 U		2 U
cis-1,2-Dichloroethene	ug/L	0.151 U	1 U			2 U	20 U		2 U
Ethylbenzene	ug/L	**45.25**	**23**	**9.6**	**332.5 E**	**79.5 E**	**59**	1 U	2 U
Isopropylbenzene	ug/L	**5.04**				**8.2**	**6.64 J**		2 U
Methylene chloride	ug/L	0.398 U	2 U			2 U	20 U		2 U
m-Xylene and p-Xylene	ug/L	**72.73**			**271.02**	**31.8**	**23.9**		2 U
Naphthalene	ug/L	74.54 R				**34.4**	**15.1 J**		2 U
n-Butylbenzene	ug/L	**0.85 J**				2 U	20 U		2 U
n-Propylbenzene	ug/L	**8.81**				**14.7**	**13.3 J**		2 U
o-Xylene	ug/L	**7.08 J**			**14.2**	**1.12 J**	20 U		2 U
p-Isopropyltoluene	ug/L	**0.71 J**				2 U	20 U		2 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	22M12	22M12 01/01/00	22M12 02/13/97	22M12 09/09/99	22M12-W0504 04/30/04	22M12-W0504-DL 04/30/04	33M09 02/11/97	33M09-W0504 05/03/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	**1.16 J**				2 U	20 U		2 U
tert-Butylbenzene	ug/L	0.17 U				2 U	20 U		2 U
Tetrachloroethene	ug/L	0.115 U	1 U			2 U	20 U		2 U
Toluene	ug/L	0.525 U	**1**	**2.4**	**8.89 J**	**1.57 J**	**1.81 J**	1 U	2 U
trans-1,2-Dichloroethene	ug/L	0.152 U	1 U			2 U	20 U		2 U
Trichloroethene	ug/L	0.151 U	1 U			2 U	20 U		2 U
Trichlorofluoromethane	ug/L					2 U	20 U		2 U
Vinyl chloride	ug/L	0.239 U	1 U			2 U	20 U		2 U
Xylenes (total)	ug/L		**23**	**9.9**				**0.5 J**	

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	35M08	35M08 02/10/97	35M08 09/08/99	35M08-W0504 05/03/04	36M08	36M08 02/10/97	36M08 09/09/99	36M08-W0504 05/03/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L				2 U				2 U
1,1,2-Trichloroethane	ug/L				2 U				2 U
1,1-Dichloroethane	ug/L				2 U				2 U
1,1-Dichloroethene	ug/L				2 U				2 U
1,2,4-Trichlorobenzene	ug/L				2 U				2 U
1,2,4-Trimethylbenzene	ug/L				2 U				2 U
1,2-Dichlorobenzene	ug/L				2 U				2 U
1,2-Dichloroethane	ug/L		**1.1**		2 U		1 U		2 U
1,2-Dichloropropane	ug/L				2 U				2 U
1,3,5-Trimethylbenzene	ug/L				2 U				2 U
1,4-Dichlorobenzene	ug/L				2 U				2 U
2-Butanone	ug/L				2 U				2 U
4-Chlorotoluene	ug/L				2 U				2 U
Acetone	ug/L				2 U				2 U
Benzene	ug/L	0.139 U	**0.5 J**	2.25 U	2 U	0.139 U	1 U	2.25 U	2 U
Bromodichloromethane	ug/L				2 U				2 U
Bromomethane	ug/L				2 U				2 U
Carbon disulfide	ug/L				2 U				2 U
Carbon tetrachloride	ug/L				2 U				2 U
Chlorobenzene	ug/L				2 U				2 U
Chloroethane	ug/L				2 U				2 U
Chloroform	ug/L				2 U				2 U
cis-1,2-Dichloroethene	ug/L				2 U				2 U
Ethylbenzene	ug/L	0.1 U	**2.2**	3.06 U	2 U	0.1 U	1 U	3.06 U	2 U
Isopropylbenzene	ug/L				**0.71 J**				2 U
Methylene chloride	ug/L				2 U				2 U
m-Xylene and p-Xylene	ug/L	0.216 U		2.25 U	2 U	0.216 U		2.25 U	2 U
Naphthalene	ug/L				2 U				2 U
n-Butylbenzene	ug/L				2 U				2 U
n-Propylbenzene	ug/L				2 U				2 U
o-Xylene	ug/L	0.102 U		2.12 U	2 U	0.102 U		2.12 U	2 U
p-Isopropyltoluene	ug/L				2 U				2 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	35M08	35M08 02/10/97	35M08 09/08/99	35M08-W0504 05/03/04	36M08	36M08 02/10/97	36M08 09/09/99	36M08-W0504 05/03/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L				2 U				2 U
tert-Butylbenzene	ug/L				2 U				2 U
Tetrachloroethene	ug/L				2 U				2 U
Toluene	ug/L	0.105 U	1 U	2.12 U	2 U	0.105 U	1 U	2.12 U	2 U
trans-1,2-Dichloroethene	ug/L				2 U				2 U
Trichloroethene	ug/L				2 U				2 U
Trichlorofluoromethane	ug/L				2 U				2 U
Vinyl chloride	ug/L				2 U				2 U
Xylenes (total)	ug/L		**7.2**				1 U		

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M02 01/01/00	99M02 02/06/97	99M02-W0504 04/30/04	99M03 01/30/97	99M03-W0504 04/30/04	99M03-W0504-DL 04/30/04	99M04 01/01/00	99M04 01/30/97
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
1,1-Dichloroethane	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
1,1-Dichloroethene	ug/L	1 U	1 U	2 U	**1**	**0.9 J**	20 U	**1.6**	**1**
1,2,4-Trichlorobenzene	ug/L			2 U		2 U	20 U		
1,2,4-Trimethylbenzene	ug/L			2 U		2 U	20 U		
1,2-Dichlorobenzene	ug/L			2 U		2 U	20 U		
1,2-Dichloroethane	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
1,2-Dichloropropane	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/L			2 U		2 U	20 U		
1,4-Dichlorobenzene	ug/L			2 U		2 U	20 U		
2-Butanone	ug/L	1 U	5 U	2 U	5 U	2 U	20 U	1 U	5 U
4-Chlorotoluene	ug/L			2 U		2 U	20 U		
Acetone	ug/L	1 U	5 U	2 U	5 U	2 U	20 U	1 U	5 U
Benzene	ug/L	**1**	1 U	2 U	1 U	2 U	20 U	1 U	1 U
Bromodichloromethane	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
Bromomethane	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
Carbon disulfide	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
Carbon tetrachloride	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
Chlorobenzene	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
Chloroethane	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
Chloroform	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	**1.3**	**2**
cis-1,2-Dichloroethene	ug/L	1 U	1 U	2 U	**130 E**	**95.6 E**	**106**	**900**	**520 E**
Ethylbenzene	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
Isopropylbenzene	ug/L			2 U		2 U	20 U		
Methylene chloride	ug/L	2 U	1 U	2 U	1 U	2 U	20 U	2 U	1 U
m-Xylene and p-Xylene	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
Naphthalene	ug/L			2 U		2 U	20 U		
n-Butylbenzene	ug/L			2 U		2 U	20 U		
n-Propylbenzene	ug/L			2 U		2 U	20 U		
o-Xylene	ug/L		1 U	2 U	1 U	2 U	20 U		1 U
p-Isopropyltoluene	ug/L			2 U		2 U	20 U		

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M02 01/01/00	99M02 02/06/97	99M02-W0504 04/30/04	99M03 01/30/97	99M03-W0504 04/30/04	99M03-W0504-DL 04/30/04	99M04 01/01/00	99M04 01/30/97
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L			2 U		2 U	20 U		
tert-Butylbenzene	ug/L			2 U		2 U	20 U		
Tetrachloroethene	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
Toluene	ug/L	1 U	1 U	2 U	1 U	2 U	20 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	1 U	1 U	2 U	**16**	**14.4**	**12.2 J**	**64 J**	**43 E**
Trichloroethene	ug/L	1 U	1 U	2 U	**320 E**	**114 E**	**111**	**2500**	**1200 E**
Trichlorofluoromethane	ug/L			2 U		2 U	20 U		
Vinyl chloride	ug/L	1 U	1 U	2 U	**2**	2 U	20 U	**4**	**1**
Xylenes (total)	ug/L	1 U						1 U	

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M04-W0504 05/04/04	99M04-W0504-DL 05/04/04	99M04-W0504-QC 05/04/04	99M04-W0504-QC-DL 05/04/04	99M07 01/01/00	99M07 01/29/97	99M07-W0504 05/01/04	99M08 01/30/97
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
1,1,2-Trichloroethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
1,1-Dichloroethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
1,1-Dichloroethene	ug/L	**0.68 J**	500 U	**0.25 J**	500 U		**1**	**0.48 J**	**6**
1,2,4-Trichlorobenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
1,2,4-Trimethylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
1,2-Dichlorobenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
1,2-Dichloroethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
1,2-Dichloropropane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	**56 E**
1,3,5-Trimethylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
1,4-Dichlorobenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
2-Butanone	ug/L	2 U	500 U	2 U	500 U		5 U	2 U	5 U
4-Chlorotoluene	ug/L	2 U	500 U	2 U	500 U			2 U	
Acetone	ug/L	2 U	500 U	2 U	500 U		5 U	2 U	5 U
Benzene	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	**0.9 J**
Bromodichloromethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Bromomethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Carbon disulfide	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Carbon tetrachloride	ug/L	2 U	500 U	2 U	500 U	1 U	1 U	2 U	1 U
Chlorobenzene	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Chloroethane	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Chloroform	ug/L	**0.65 J**	500 U	2 U	500 U		1 U	2 U	1 U
cis-1,2-Dichloroethene	ug/L	**290 E**	**444 J**	**255 E**	**481 J**	**58.6**	**92 E**	**97.2 E**	**620 E**
Ethylbenzene	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Isopropylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
Methylene chloride	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
m-Xylene and p-Xylene	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
Naphthalene	ug/L	2 U	500 U	2 U	500 U			2 U	
n-Butylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
n-Propylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
o-Xylene	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	1 U
p-Isopropyltoluene	ug/L	2 U	500 U	2 U	500 U			2 U	

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M04-W0504 05/04/04	99M04-W0504-DL 05/04/04	99M04-W0504-QC 05/04/04	99M04-W0504-QC-DL 05/04/04	99M07 01/01/00	99M07 01/29/97	99M07-W0504 05/01/04	99M08 01/30/97
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
tert-Butylbenzene	ug/L	2 U	500 U	2 U	500 U			2 U	
Tetrachloroethene	ug/L	2 U	500 U	2 U	500 U	1 U	1 U	2 U	1 U
Toluene	ug/L	2 U	500 U	2 U	500 U		1 U	2 U	**1**
trans-1,2-Dichloroethene	ug/L	**31.8**	500 U	**29.7**	**48.5 J**		**29**	**46.1**	**45 E**
Trichloroethene	ug/L	**948 E**	**2206**	**1141 E**	**2209**	**269**	**350 E**	**178 E**	**820 E**
Trichlorofluoromethane	ug/L	2 U	500 U	2 U	500 U			2 U	
Vinyl chloride	ug/L	2 U	500 U	**0.61 J**	500 U		1 U	2 U	**71 E**
Xylenes (total)	ug/L								

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M08-W0504 05/04/04	99M08-W0504-DL 05/04/04	99M08-W0504-QC 05/04/04	99M08-W0504-QC-DL 05/04/04	99M09 01/01/00	99M09 01/31/97	99M09-W0504 05/04/04	99M09-W0504-DL 05/04/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
1,1,2-Trichloroethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
1,1-Dichloroethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
1,1-Dichloroethene	ug/L	**3.16**	50 U	**3.68**	50 U		**5**	2 U	50 U
1,2,4-Trichlorobenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
1,2,4-Trimethylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
1,2-Dichlorobenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
1,2-Dichloroethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
1,2-Dichloropropane	ug/L	**23.7**	**21.3 J**	**27.1**	**24.3 J**		**15**	**3.15**	50 U
1,3,5-Trimethylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
1,4-Dichlorobenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
2-Butanone	ug/L	2 U	50 U	2 U	50 U		5 U	2 U	50 U
4-Chlorotoluene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
Acetone	ug/L	2 U	50 U	2 U	50 U		5 U	2 U	50 U
Benzene	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Bromodichloromethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Bromomethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Carbon disulfide	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Carbon tetrachloride	ug/L	2 U	50 U	2 U	50 U	1 U	1 U	2 U	50 U
Chlorobenzene	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Chloroethane	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Chloroform	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
cis-1,2-Dichloroethene	ug/L	**312 E**	**362**	**324 E**	**422**	**223**	**390 E**	**129 E**	**137**
Ethylbenzene	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Isopropylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
Methylene chloride	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
m-Xylene and p-Xylene	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
Naphthalene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
n-Butylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
n-Propylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
o-Xylene	ug/L	2 U	50 U	2 U	50 U		1 U	2 U	50 U
p-Isopropyltoluene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M08-W0504 05/04/04	99M08-W0504-DL 05/04/04	99M08-W0504-QC 05/04/04	99M08-W0504-QC-DL 05/04/04	99M09 01/01/00	99M09 01/31/97	99M09-W0504 05/04/04	99M09-W0504-DL 05/04/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
tert-Butylbenzene	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
Tetrachloroethene	ug/L	2 U	50 U	2 U	50 U	1 U	1 U	2 U	50 U
Toluene	ug/L	2 U	50 U	2 U	50 U		1 U	**0.31 J**	50 U
trans-1,2-Dichloroethene	ug/L	**75.6 E**	**68.8**	**82.3 E**	**83.5**		**36**	**10.1**	**8.79 J**
Trichloroethene	ug/L	**177 E**	**177**	**219 E**	**233**	**67.4**	**390 E**	**78 E**	**75.3**
Trichlorofluoromethane	ug/L	2 U	50 U	2 U	50 U			2 U	50 U
Vinyl chloride	ug/L	**43.6**	**33 J**	**49.8**	**39.6 J**		**14**	2 U	50 U
Xylenes (total)	ug/L								

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M09-W0603 06/28/03	99M09-W0603-DL 06/28/03	99M10 01/01/00	99M10 01/28/97	99M10-W0504 05/04/04	99M11 01/01/00	99M11 01/28/97	99M11-W0504 05/01/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	0.5 U	5 R	1 U	1 U	2 U		1 U	2 U
1,1,2-Trichloroethane	ug/L	0.7 U	7 R	1 U	1 U	2 U		1 U	2 U
1,1-Dichloroethane	ug/L	0.5 U	5 R		1 U	2 U		1 U	2 U
1,1-Dichloroethene	ug/L	**1.9**	5 R	1 U	1 U	2 U		1 U	2 U
1,2,4-Trichlorobenzene	ug/L	0.6 U	6 R			2 U			2 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	5 R			2 U			2 U
1,2-Dichlorobenzene	ug/L	0.5 U	5 R			2 U			2 U
1,2-Dichloroethane	ug/L	0.5 U	5 R		1 U	2 U		1 U	2 U
1,2-Dichloropropane	ug/L	**5.1**	5 R	**2**	**0.7 J**	2 U		1 U	2 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	5 R			2 U			2 U
1,4-Dichlorobenzene	ug/L	0.5 U	5 R			2 U			2 U
2-Butanone	ug/L	10 U	100 R	1 U	5 U	2 U		5 U	2 U
4-Chlorotoluene	ug/L	0.6 U	6 R			2 U			2 U
Acetone	ug/L	10 U	100 R	1 U	**3 J**	2 U		5 U	2 U
Benzene	ug/L	0.5 U	5 R	**1**	1 U	2 U		1 U	2 U
Bromodichloromethane	ug/L	0.5 U	5 R		1 U	2 U		1 U	2 U
Bromomethane	ug/L	1 U	10 R		1 U	2 U		1 U	2 U
Carbon disulfide	ug/L	0.5 U	5 R		1 U	2 U		1 U	2 U
Carbon tetrachloride	ug/L	0.5 U	5 R	1 U	1 U	2 U	**1.02**	**2**	2 U
Chlorobenzene	ug/L	0.5 U	5 R	1 U	1 U	2 U		1 U	2 U
Chloroethane	ug/L	1 U	10 R	1 U	1 U	2 U		1 U	2 U
Chloroform	ug/L	0.5 U	5 R	1 U	1 U	2 U		**1**	**4.77**
cis-1,2-Dichloroethene	ug/L	0.5 R	**260**	**13**	**3**	**0.38 J**	5 U	**23**	2 U
Ethylbenzene	ug/L	0.5 U	5 R	1 U	1 U	2 U		1 U	2 U
Isopropylbenzene	ug/L	0.5 U	5 R			2 U			2 U
Methylene chloride	ug/L	2 U	20 R	2 U	1 U	2 U		1 U	2 U
m-Xylene and p-Xylene	ug/L				1 U	2 U		1 U	2 U
Naphthalene	ug/L	2 U	20 R			2 U			2 U
n-Butylbenzene	ug/L	0.5 U	5 R			2 U			2 U
n-Propylbenzene	ug/L	0.5 U	5 R			2 U			2 U
o-Xylene	ug/L				1 U	2 U		1 U	2 U
p-Isopropyltoluene	ug/L	0.6 U	6 R			2 U			2 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M09-W0603 06/28/03	99M09-W0603-DL 06/28/03	99M10 01/01/00	99M10 01/28/97	99M10-W0504 05/04/04	99M11 01/01/00	99M11 01/28/97	99M11-W0504 05/01/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	0.6 U	6 R			2 U			2 U
tert-Butylbenzene	ug/L	0.5 U	5 R			2 U			2 U
Tetrachloroethene	ug/L	0.5 U	5 R	1 U	1 U	2 U	1 U	**0.3 J**	2 U
Toluene	ug/L	0.5 U	5 R	1 U	1 U	2 U		1 U	2 U
trans-1,2-Dichloroethene	ug/L	**23**	5 R	1 U	1 U	2 U		1 U	2 U
Trichloroethene	ug/L	0.5 R	**130**	**100**	**19**	**5.31**	**76.5**	**85 E**	2 U
Trichlorofluoromethane	ug/L	0.5 U	5 R			2 U			2 U
Vinyl chloride	ug/L	0.8 U	8 R	**1.1 J**	1 U	2 U		1 U	2 U
Xylenes (total)	ug/L	3 U	30 R	1 U					

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M12 01/01/00	99M12 01/29/97	99M12-W0504 05/01/04	99M13 01/01/00	99M13 02/07/97	99M13 09/15/99	99M13-W0504 04/29/04	99M13-W0504-DL 04/29/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L		1 U	2 U	1 U	1 U	0.4 U	2 U	500 U
1,1,2-Trichloroethane	ug/L		1 U	2 U	1 U	1 U	0.42 U	**1.15 J**	500 U
1,1-Dichloroethane	ug/L		1 U	2 U		1 U	0.51 U	2 U	500 U
1,1-Dichloroethene	ug/L		1 U	2 U	**4.4**	**4**	**2.88 J**	**2.86**	500 U
1,2,4-Trichlorobenzene	ug/L			2 U			0.8 U	2 U	500 U
1,2,4-Trimethylbenzene	ug/L			2 U			0.42 U	2 U	500 U
1,2-Dichlorobenzene	ug/L			2 U			0.31 U	**0.36 J**	500 U
1,2-Dichloroethane	ug/L		1 U	2 U		1 U	0.48 U	2 U	500 U
1,2-Dichloropropane	ug/L		1 U	2 U	1 U	1 U	0.58 U	**5.22**	500 U
1,3,5-Trimethylbenzene	ug/L			2 U			0.49 U	2 U	500 U
1,4-Dichlorobenzene	ug/L			2 U			0.24 U	2 U	500 U
2-Butanone	ug/L		5 U	2 U	1 U	5 U	1 U	2 U	500 U
4-Chlorotoluene	ug/L			2 U			0.33 U	2 U	500 U
Acetone	ug/L		5 U	2 U	1 U	5 U	**1.11 J**	2 U	500 U
Benzene	ug/L		1 U	2 U	1 U	**0.6 J**	0.34 U	**0.41 J**	500 U
Bromodichloromethane	ug/L		1 U	2 U		1 U	0.52 U	2 U	500 U
Bromomethane	ug/L		1 U	2 U		1 U	0.62 U	2 U	500 U
Carbon disulfide	ug/L		1 U	2 U		1 U		2 U	500 U
Carbon tetrachloride	ug/L	1 U	**1**	2 U	1 U	1 U	0.42 U	2 U	500 U
Chlorobenzene	ug/L		1 U	2 U	1 U	1 U	0.36 U	2 U	500 U
Chloroethane	ug/L		1 U	2 U	1 U	1 U	0.56 U	2 U	500 U
Chloroform	ug/L		**2 T**	2 U	**1.7**	**2 F**	**1.8 J**	**1.17 J**	500 U
cis-1,2-Dichloroethene	ug/L	5 U	1 U	2 U	**400**	**1800 E**	**390.76 E**	**292 E**	**307 J**
Ethylbenzene	ug/L		1 U	2 U	1 U	1 U	0.38 U	2 U	500 U
Isopropylbenzene	ug/L			2 U			0.5 U	2 U	500 U
Methylene chloride	ug/L		1 U	2 U	2 U	1 U	0.42 U	2 U	500 U
m-Xylene and p-Xylene	ug/L		1 U	2 U		1 U	0.39 U	2 U	500 U
Naphthalene	ug/L			2 U			0.7 U	2 U	500 U
n-Butylbenzene	ug/L			2 U			0.93 U	2 U	500 U
n-Propylbenzene	ug/L			2 U			0.45 U	2 U	500 U
o-Xylene	ug/L		1 U	2 U		1 U	0.5 U	2 U	500 U
p-Isopropyltoluene	ug/L			2 U			0.29 U	2 U	500 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M12 01/01/00	99M12 01/29/97	99M12-W0504 05/01/04	99M13 01/01/00	99M13 02/07/97	99M13 09/15/99	99M13-W0504 04/29/04	99M13-W0504-DL 04/29/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L			2 U			0.62 U	2 U	500 U
tert-Butylbenzene	ug/L			2 U			0.61 U	2 U	500 U
Tetrachloroethene	ug/L	1 U	**3**	**1.04 J**	1 U	**0.6 J**	0.58 U	**0.57 J**	500 U
Toluene	ug/L		1 U	2 U	1 U	1 U	0.77 U	2 U	500 U
trans-1,2-Dichloroethene	ug/L		1 U	2 U	**95 J**	**70 E**	**64.8**	**37.8**	**56.4 J**
Trichloroethene	ug/L	**7.39**	**8**	**6.02**	**4300**	**1600 E**	**1875.66 E**	**1410 E**	**5944**
Trichlorofluoromethane	ug/L			2 U				2 U	500 U
Vinyl chloride	ug/L		1 U	2 U	**23 J**	**21**	**24.97**	**9.69**	500 U
Xylenes (total)	ug/L				1 U				

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M13-W0504-QC 04/29/04	99M13-W0504-QC-DL 04/29/04	99M13-W0603 06/30/03	99M13-W0603-D 06/30/03	99M13-W0603-D-DL 06/30/03	99M13-W0603-DL 06/30/03	99M14 01/01/00	99M14 01/27/97
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
1,1,2-Trichloroethane	ug/L	**0.89 J**	500 U	18 U	18 U	170 R	170 R		1 U
1,1-Dichloroethane	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
1,1-Dichloroethene	ug/L	**2.89**	500 U	12 U	12 U	120 R	120 R		1 U
1,2,4-Trichlorobenzene	ug/L	2 U	500 U	15 U	15 U	150 R	150 R		
1,2,4-Trimethylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
1,2-Dichlorobenzene	ug/L	**0.32 J**	500 U	12 U	12 U	120 R	120 R		
1,2-Dichloroethane	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
1,2-Dichloropropane	ug/L	**4.97**	500 U	12 U	12 U	120 R	120 R		1 U
1,3,5-Trimethylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
1,4-Dichlorobenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
2-Butanone	ug/L	2 U	500 U	250 U	250 U	2500 R	2500 R		5 U
4-Chlorotoluene	ug/L	2 U	500 U	15 U	15 U	150 R	150 R		
Acetone	ug/L	2 U	500 U	250 U	250 U	2500 R	2500 R		**5**
Benzene	ug/L	**0.42 J**	500 U	12 U	12 U	120 R	120 R		1 U
Bromodichloromethane	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
Bromomethane	ug/L	2 U	500 U	25 U	25 U	250 R	250 R		1 U
Carbon disulfide	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
Carbon tetrachloride	ug/L	2 U	500 U	12 U	12 U	120 R	120 R	1 U	1 U
Chlorobenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
Chloroethane	ug/L	2 U	500 U	25 U	25 U	250 R	250 R		1 U
Chloroform	ug/L	**1.11 J**	500 U	12 U	12 U	120 R	120 R		1 U
cis-1,2-Dichloroethene	ug/L	**290 E**	**326 J**	12 R	**340**	120 R	**360**	5 U	1 U
Ethylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
Isopropylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
Methylene chloride	ug/L	2 U	500 U	50 U	50 U	500 R	500 R		**2 T**
m-Xylene and p-Xylene	ug/L	2 U	500 U						1 U
Naphthalene	ug/L	2 U	500 U	50 U	50 U	500 R	500 R		
n-Butylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
n-Propylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
o-Xylene	ug/L	2 U	500 U						1 U
p-Isopropyltoluene	ug/L	2 U	500 U	15 U	15 U	150 R	150 R		

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M13-W0504-QC 04/29/04	99M13-W0504-QC-DL 04/29/04	99M13-W0603 06/30/03	99M13-W0603-D 06/30/03	99M13-W0603-D-DL 06/30/03	99M13-W0603-DL 06/30/03	99M14 01/01/00	99M14 01/27/97
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U	500 U	15 U	15 U	150 R	150 R		
tert-Butylbenzene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
Tetrachloroethene	ug/L	**0.65 J**	500 U	12 U	12 U	120 R	120 R	1 U	1 U
Toluene	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		1 U
trans-1,2-Dichloroethene	ug/L	**36.7**	500 U	**54**	**56**	120 R	120 R		1 U
Trichloroethene	ug/L	**1375 E**	**6243**	12 R	12 R	**5200 J**	**6200 J**	1 U	1 U
Trichlorofluoromethane	ug/L	2 U	500 U	12 U	12 U	120 R	120 R		
Vinyl chloride	ug/L	**9.49**	500 U	**16 J**	**14 J**	200 R	200 R		1 U
Xylenes (total)	ug/L			75 U	75 U	750 R	750 R		

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M14 09/15/99	99M14-W0504 04/30/04	99M14-W0603 06/26/03	99M15 01/01/00	99M15 01/27/97	99M15-W0504 04/30/04	99M15-W0504-DL 04/30/04	99M17 01/24/97
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	0.4 U	2 U	0.5 U		1 U	2 U	20 U	1 U
1,1,2-Trichloroethane	ug/L	0.42 U	2 U	0.7 U		1 U	2 U	20 U	1 U
1,1-Dichloroethane	ug/L	0.51 U	2 U	**0.28 J**		1 U	2 U	20 U	1 U
1,1-Dichloroethene	ug/L	0.97 U	2 U	0.5 U		1 U	2 U	20 U	1 U
1,2,4-Trichlorobenzene	ug/L	0.8 U	2 U	0.6 U			2 U	20 U	
1,2,4-Trimethylbenzene	ug/L	0.42 U	2 U	0.5 U			2 U	20 U	
1,2-Dichlorobenzene	ug/L	0.31 U	2 U	0.5 U			2 U	20 U	
1,2-Dichloroethane	ug/L	0.48 U	2 U	0.5 U		1 U	2 U	20 U	**0.8 J**
1,2-Dichloropropane	ug/L	0.58 U	2 U	0.5 U		1 U	2 U	20 U	**2**
1,3,5-Trimethylbenzene	ug/L	0.49 U	2 U	0.5 U			2 U	20 U	
1,4-Dichlorobenzene	ug/L	0.24 U	2 U	0.5 U			2 U	20 U	
2-Butanone	ug/L	1 U	2 U	10 U		5 U	2 U	20 U	5 U
4-Chlorotoluene	ug/L	0.33 U	2 U	0.6 U			2 U	20 U	
Acetone	ug/L	**3.62 J**	2 U	10 U		**4 J**	2 U	20 U	**1 J**
Benzene	ug/L	0.34 U	2 U	0.5 U		1 U	2 U	20 U	1 U
Bromodichloromethane	ug/L	0.52 U	2 U	0.5 U		1 U	2 U	20 U	1 U
Bromomethane	ug/L	0.62 U	2 U	1 U		1 U	2 U	20 U	1 U
Carbon disulfide	ug/L		2 U	0.5 U		1 U	2 U	20 U	1 U
Carbon tetrachloride	ug/L	0.42 U	2 U	0.5 U	1 U	1 U	2 U	20 U	1 U
Chlorobenzene	ug/L	0.36 U	2 U	0.5 U		1 U	2 U	20 U	1 U
Chloroethane	ug/L	0.56 U	2 U	1 U		1 U	2 U	20 U	1 U
Chloroform	ug/L	0.45 U	2 U	0.5 U		1 U	2 U	20 U	1 U
cis-1,2-Dichloroethene	ug/L	0.51 U	2 U	**0.26 J**	**47.9**	**35**	**39.3**	**36**	**5**
Ethylbenzene	ug/L	0.38 U	2 U	0.5 U		1 U	2 U	20 U	1 U
Isopropylbenzene	ug/L	0.5 U	2 U	0.5 U			2 U	20 U	
Methylene chloride	ug/L	0.42 U	2 U	2 U		**2 T**	2 U	20 U	1 U
m-Xylene and p-Xylene	ug/L	0.39 U	2 U			1 U	2 U	20 U	1 U
Naphthalene	ug/L	0.7 U	2 U	2 U			2 U	20 U	
n-Butylbenzene	ug/L	0.93 U	2 U	0.5 U			2 U	20 U	
n-Propylbenzene	ug/L	0.45 U	2 U	0.5 U			2 U	20 U	
o-Xylene	ug/L	0.5 U	2 U			1 U	2 U	20 U	1 U
p-Isopropyltoluene	ug/L	0.29 U	2 U	0.6 U			2 U	20 U	

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M14 09/15/99	99M14-W0504 04/30/04	99M14-W0603 06/26/03	99M15 01/01/00	99M15 01/27/97	99M15-W0504 04/30/04	99M15-W0504-DL 04/30/04	99M17 01/24/97
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	0.62 U	2 U	0.6 U			2 U	20 U	
tert-Butylbenzene	ug/L	0.61 U	2 U	0.5 U			2 U	20 U	
Tetrachloroethene	ug/L	0.58 U	2 U	0.5 U	1 U	**0.4 J**	2 U	20 U	1 U
Toluene	ug/L	0.77 U	2 U	0.5 U		1 U	2 U	20 U	1 U
trans-1,2-Dichloroethene	ug/L	0.37 U	2 U	0.5 U		**1**	**1.8 J**	**2.27 J**	**4**
Trichloroethene	ug/L	0.58 U	2 U	**4**	**208**	**200 E**	**82.2 E**	**65.6**	**8**
Trichlorofluoromethane	ug/L		2 U	0.5 U			2 U	20 U	
Vinyl chloride	ug/L	0.61 U	2 U	0.8 U		1 U	2 U	20 U	1 U
Xylenes (total)	ug/L			3 U					

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M17-W0504 05/01/04	99M18 02/05/97	99M18-W0504 05/01/04	99M19 01/01/00	99M19 01/24/97	99M19 09/16/99	99M19-W0504 04/29/04	99M19-W0603 06/25/03
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	5 U	2 U	1 U	1 U	0.4 U	2 U	0.5 U
1,1,2-Trichloroethane	ug/L	2 U	5 U	2 U	1 U	1 U	0.42 U	2 U	0.7 U
1,1-Dichloroethane	ug/L	2 U	5 U	2 U		1 U	0.51 U	2 U	0.5 U
1,1-Dichloroethene	ug/L	2 U	5 U	2 U	1 U	1 U	0.97 U	2 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	2 U		2 U			0.8 U	2 U	0.6 U
1,2,4-Trimethylbenzene	ug/L	2 U		2 U			0.42 U	2 U	0.5 U
1,2-Dichlorobenzene	ug/L	2 U		2 U			0.31 U	2 U	0.5 U
1,2-Dichloroethane	ug/L	2 U	5 U	2 U		1 U	0.48 U	2 U	0.5 U
1,2-Dichloropropane	ug/L	2 U	5 U	2 U	1 U	1 U	0.58 U	2 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	2 U		2 U			0.49 U	2 U	0.5 U
1,4-Dichlorobenzene	ug/L	2 U		2 U			0.24 U	2 U	0.5 U
2-Butanone	ug/L	2 U	25 U	2 U	1 U	5 U	1 U	2 U	10 U
4-Chlorotoluene	ug/L	2 U		2 U			0.33 U	2 U	0.6 U
Acetone	ug/L	2 U	25 U	2 U	1 U	5 U	**3.32 J**	2 U	10 U
Benzene	ug/L	2 U	5 U	2 U	1 U	1 U	0.34 U	2 U	0.5 U
Bromodichloromethane	ug/L	2 U	5 U	2 U		1 U	0.52 U	2 U	0.5 U
Bromomethane	ug/L	2 U	5 U	2 U		1 U	0.62 U	2 U	1 U
Carbon disulfide	ug/L	2 U	5 U	**4.3**		1 U		2 U	0.5 U
Carbon tetrachloride	ug/L	2 U	5 U	2 U	1 U	1 U	0.42 U	2 U	0.5 U
Chlorobenzene	ug/L	2 U	5 U	2 U	1 U	1 U	0.36 U	2 U	0.5 U
Chloroethane	ug/L	2 U	5 U	2 U	1 U	1 U	0.56 U	2 U	1 U
Chloroform	ug/L	2 U	5 U	**2.08**	1 U	1 U	0.45 U	2 U	0.5 U
cis-1,2-Dichloroethene	ug/L	**1.25 J**	**69**	2 U	1 U	1 U	**6.49**	2 U	0.5 U
Ethylbenzene	ug/L	2 U	5 U	2 U	1 U	1 U	0.38 U	2 U	0.5 U
Isopropylbenzene	ug/L	2 U		2 U			0.5 U	2 U	0.5 U
Methylene chloride	ug/L	2 U	5 U	2 U	2 U	1 U	0.42 U	2 U	2 U
m-Xylene and p-Xylene	ug/L	2 U	5 U	2 U		1 U	0.39 U	2 U	
Naphthalene	ug/L	2 U		2 U			0.7 U	2 U	2 U
n-Butylbenzene	ug/L	2 U		2 U			0.93 U	2 U	0.5 U
n-Propylbenzene	ug/L	2 U		2 U			0.45 U	2 U	0.5 U
o-Xylene	ug/L	2 U	5 U	2 U		1 U	0.5 U	2 U	
p-Isopropyltoluene	ug/L	2 U		2 U			0.29 U	2 U	0.6 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M17-W0504 05/01/04	99M18 02/05/97	99M18-W0504 05/01/04	99M19 01/01/00	99M19 01/24/97	99M19 09/16/99	99M19-W0504 04/29/04	99M19-W0603 06/25/03
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U		2 U			0.62 U	2 U	0.6 U
tert-Butylbenzene	ug/L	2 U		2 U			0.61 U	2 U	0.5 U
Tetrachloroethene	ug/L	2 U	5 U	2 U	1 U	1 U	0.58 U	2 U	0.5 U
Toluene	ug/L	2 U	5 U	2 U	1 U	1 U	0.77 U	2 U	0.5 U
trans-1,2-Dichloroethene	ug/L	**0.8 J**	5 U	2 U	1 U	1 U	0.37 U	2 U	0.5 U
Trichloroethene	ug/L	**2.43**	**85**	2 U	1 U	1 U	**9.55**	2 U	0.5 U
Trichlorofluoromethane	ug/L	2 U		2 U				2 U	0.5 U
Vinyl chloride	ug/L	2 U	5 U	2 U	1 U	1 U	0.61 U	2 U	0.8 U
Xylenes (total)	ug/L				1 U				3 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M20 02/06/97	99M20-W0504 05/04/04	99M20-W0504-DL 05/04/04	99M21 01/01/00	99M21 02/11/97	99M21-W0504 05/01/04	99M21-W0504-DL 05/01/04	99M22 09/04/97
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
1,1,2-Trichloroethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
1,1-Dichloroethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
1,1-Dichloroethene	ug/L	1 U	**0.32 J**	20 U		25 U	**1.24 J**	20 U	1 U
1,2,4-Trichlorobenzene	ug/L		2 U	20 U			2 U	20 U	
1,2,4-Trimethylbenzene	ug/L		2 U	20 U			2 U	20 U	
1,2-Dichlorobenzene	ug/L		2 U	20 U			2 U	20 U	
1,2-Dichloroethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
1,2-Dichloropropane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
1,3,5-Trimethylbenzene	ug/L		2 U	20 U			2 U	20 U	
1,4-Dichlorobenzene	ug/L		2 U	20 U			2 U	20 U	
2-Butanone	ug/L	5 U	2 U	20 U		120 U	2 U	20 U	5 U
4-Chlorotoluene	ug/L		2 U	20 U			2 U	20 U	
Acetone	ug/L	5 U	2 U	20 U		**100 J**	2 U	20 U	5 U
Benzene	ug/L	1 U	2 U	20 U		25 U	**1.65 J**	20 U	1 U
Bromodichloromethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
Bromomethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
Carbon disulfide	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
Carbon tetrachloride	ug/L	1 U	2 U	20 U	1 U	25 U	2 U	20 U	1 U
Chlorobenzene	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
Chloroethane	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
Chloroform	ug/L	**1 F**	2 U	20 U		**20 JFT**	2 U	20 U	1 U
cis-1,2-Dichloroethene	ug/L	**72 E**	**19.3**	**16.6 J**	**72.4**	**110**	**53**	**44.5**	1 U
Ethylbenzene	ug/L	1 U	2 U	20 U		25 U	**0.46 J**	20 U	1 U
Isopropylbenzene	ug/L		2 U	20 U			2 U	20 U	
Methylene chloride	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	**0.5 JT**
m-Xylene and p-Xylene	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	1 U
Naphthalene	ug/L		2 U	20 U			**0.94 J**	20 U	
n-Butylbenzene	ug/L		2 U	20 U			2 U	20 U	
n-Propylbenzene	ug/L		2 U	20 U			2 U	20 U	
o-Xylene	ug/L	1 U	2 U	20 U		25 U	2 U	20 U	**1 T**
p-Isopropyltoluene	ug/L		2 U	20 U			2 U	20 U	

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M20 02/06/97	99M20-W0504 05/04/04	99M20-W0504-DL 05/04/04	99M21 01/01/00	99M21 02/11/97	99M21-W0504 05/01/04	99M21-W0504-DL 05/01/04	99M22 09/04/97
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L		2 U	20 U			**2.11**	20 U	
tert-Butylbenzene	ug/L		2 U	20 U			**0.97 J**	20 U	
Tetrachloroethene	ug/L	1 U	2 U	20 U	1 U	25 U	2 U	20 U	1 U
Toluene	ug/L	1 U	2 U	20 U		25 U	**0.61 J**	20 U	1 U
trans-1,2-Dichloroethene	ug/L	**1**	**2.35**	20 U		**27**	**79 E**	**63.3**	1 U
Trichloroethene	ug/L	**200 E**	**135 E**	**123**	**245**	**470**	**93.2 E**	**74.5**	**2 F**
Trichlorofluoromethane	ug/L		2 U	20 U			2 U	20 U	
Vinyl chloride	ug/L	1 U	2 U	20 U		**26**	**25.4**	**19.8 J**	1 U
Xylenes (total)	ug/L								

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M22-W0504 05/04/04	99M23 01/01/00	99M23 09/03/97	99M23-W0504 05/03/04	99M23-W0603 06/30/03	99M24 01/01/00	99M24 08/27/97	99M24 09/13/99
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U		1 U	2 U	0.5 U	**1.1**	500 U	400 U
1,1,2-Trichloroethane	ug/L	2 U		1 U	2 U	0.7 U	**36 J**	500 U	420 U
1,1-Dichloroethane	ug/L	2 U		1 U	2 U	0.5 U		500 U	509.1 U
1,1-Dichloroethene	ug/L	2 U		1 U	2 U	0.5 U	**35 J**	500 U	968.3 U
1,2,4-Trichlorobenzene	ug/L	2 U			2 U	0.6 U			800 U
1,2,4-Trimethylbenzene	ug/L	2 U			2 U	0.5 U			420 U
1,2-Dichlorobenzene	ug/L	2 U			2 U	0.5 U			310 U
1,2-Dichloroethane	ug/L	2 U		1 U	2 U	0.5 U		500 U	480 U
1,2-Dichloropropane	ug/L	**0.41 J**		1 U	2 U	**0.98**	1 U	500 U	580 U
1,3,5-Trimethylbenzene	ug/L	2 U			2 U	0.5 U			490 U
1,4-Dichlorobenzene	ug/L	2 U			2 U	0.5 U			240 U
2-Butanone	ug/L	2 U		5 U	2 U	10 U	1 U	2500 U	1000 U
4-Chlorotoluene	ug/L	2 U			2 U	0.6 U			330 U
Acetone	ug/L	2 U		5 U	2 U	10 U	1 U	2500 U	1000 U
Benzene	ug/L	2 U		1 U	2 U	0.5 U	1 U	500 U	340 U
Bromodichloromethane	ug/L	2 U		1 U	2 U	0.5 U		500 U	520 U
Bromomethane	ug/L	2 U		1 U	2 U	1 U		500 U	623.2 U
Carbon disulfide	ug/L	2 U		1 U	2 U	0.5 U		500 U	
Carbon tetrachloride	ug/L	2 U	**52.6**	**31**	**29.6**	**29**	1 U	500 U	420 U
Chlorobenzene	ug/L	2 U		1 U	2 U	0.5 U	**35 J**	500 U	360 U
Chloroethane	ug/L	2 U		1 U	2 U	1 U	1 U	500 U	555.6 U
Chloroform	ug/L	2 U		**21 FT**	**18.2**	**15**	**25**	500 U	450 U
cis-1,2-Dichloroethene	ug/L	**0.3 J**	5 U	**1**	**2.63**	**2**	**13000**	**940**	**9010 J**
Ethylbenzene	ug/L	2 U		1 U	2 U	0.5 U	1 U	500 U	380 U
Isopropylbenzene	ug/L	2 U			2 U	0.5 U			500 U
Methylene chloride	ug/L	2 U		**1**	2 U	2 U	2 U	500 U	420.7 U
m-Xylene and p-Xylene	ug/L	2 U		1 U	2 U			500 U	390 U
Naphthalene	ug/L	2 U			2 U	2 U			700 U
n-Butylbenzene	ug/L	2 U			2 U	0.5 U			930 U
n-Propylbenzene	ug/L	2 U			2 U	0.5 U			450 U
o-Xylene	ug/L	2 U		1 U	2 U			500 U	500 U
p-Isopropyltoluene	ug/L	2 U			2 U	0.6 U			290 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M22-W0504 05/04/04	99M23 01/01/00	99M23 09/03/97	99M23-W0504 05/03/04	99M23-W0603 06/30/03	99M24 01/01/00	99M24 08/27/97	99M24 09/13/99
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U			2 U	0.6 U			620 U
tert-Butylbenzene	ug/L	2 U			2 U	0.5 U			610 U
Tetrachloroethene	ug/L	2 U	1 U	1 U	2 U	0.5 U	**3.9**	500 U	580 U
Toluene	ug/L	2 U		1 U	2 U	0.5 U	**17**	500 U	770 U
trans-1,2-Dichloroethene	ug/L	2 U		1 U	2 U	0.5 U	**17**	500 U	372.4 U
Trichloroethene	ug/L	**1.19 J**	**47.2**	**33 F**	**37**	**37 J**	**79000**	**15000 F**	**103000**
Trichlorofluoromethane	ug/L	2 U			2 U	**0.22 J**			
Vinyl chloride	ug/L	2 U		1 U	2 U	0.8 U	**14 J**	500 U	612.0 U
Xylenes (total)	ug/L					3 U	**3**		

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M24-W0504 04/29/04	99M24-W0504-DL 04/29/04	99M24-W0504-QC 04/29/04	99M24-W0504-QC-DL 04/29/04	99M24-W0603 06/25/03	99M24-W0603-D 06/25/03	99M24-W0603-D-DL 06/25/03	99M24-W0603-DL 06/25/03
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,1,2-Trichloroethane	ug/L	**1.42 J**	500 U	**1.2 J**	500 U	**1.3**	**1.4**	170 R	170 R
1,1-Dichloroethane	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,1-Dichloroethene	ug/L	**2**	500 U	**2.1**	500 U	**1.8**	**1.6**	120 R	120 R
1,2,4-Trichlorobenzene	ug/L	2 U	500 U	2 U	500 U	0.6 U	0.6 U	150 R	150 R
1,2,4-Trimethylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,2-Dichlorobenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,2-Dichloroethane	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,2-Dichloropropane	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,3,5-Trimethylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
1,4-Dichlorobenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
2-Butanone	ug/L	2 U	500 U	2 U	500 U	10 U	10 U	2500 R	2500 R
4-Chlorotoluene	ug/L	2 U	500 U	2 U	500 U	0.6 U	0.6 U	150 R	150 R
Acetone	ug/L	2 U	500 U	2 U	500 U	10 U	10 U	2500 R	2500 R
Benzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Bromodichloromethane	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Bromomethane	ug/L	2 U	500 U	2 U	500 U	1 U	1 U	250 R	250 R
Carbon disulfide	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Carbon tetrachloride	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Chlorobenzene	ug/L	**1.63 J**	500 U	**1.72 J**	500 U	**1.3**	**1.3**	120 R	120 R
Chloroethane	ug/L	2 U	500 U	2 U	500 U	1 U	1 U	250 R	250 R
Chloroform	ug/L	2 U	500 U	**1.4 J**	500 U	**1.2**	**1.2**	120 R	120 R
cis-1,2-Dichloroethene	ug/L	**871 E**	**889**	**780 E**	**963**	0.5 R	0.5 R	**640**	**700**
Ethylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Isopropylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Methylene chloride	ug/L	2 U	500 U	2 U	500 U	2 U	2 U	500 R	500 R
m-Xylene and p-Xylene	ug/L	2 U	500 U	2 U	500 U				
Naphthalene	ug/L	2 U	500 U	2 U	500 U	2 U	2 U	500 R	500 R
n-Butylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
n-Propylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
o-Xylene	ug/L	2 U	500 U	2 U	500 U				
p-Isopropyltoluene	ug/L	2 U	500 U	2 U	500 U	0.6 U	0.6 U	150 R	150 R

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M24-W0504 04/29/04	99M24-W0504-DL 04/29/04	99M24-W0504-QC 04/29/04	99M24-W0504-QC-DL 04/29/04	99M24-W0603 06/25/03	99M24-W0603-D 06/25/03	99M24-W0603-D-DL 06/25/03	99M24-W0603-DL 06/25/03
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U	500 U	2 U	500 U	0.6 U	0.6 U	150 R	150 R
tert-Butylbenzene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
Tetrachloroethene	ug/L	**0.31 J**	500 U	**0.37 J**	500 U	**0.38 J**	**0.36 J**	120 R	120 R
Toluene	ug/L	2 U	500 U	2 U	500 U	0.5 U	0.5 U	120 R	120 R
trans-1,2-Dichloroethene	ug/L	**13.3**	500 U	**10.7**	500 U	**3.1**	**3.3**	120 R	120 R
Trichloroethene	ug/L	**1392 E**	**5303**	**1268 E**	**5536**	0.5 R	0.5 R	**4800**	**4900**
Trichlorofluoromethane	ug/L	2 U	500 U	2 U	500 U	0.5 U	**0.29 J**	120 R	120 R
Vinyl chloride	ug/L	**2.07**	500 U	**1.78 J**	500 U	**1.5**	**1.4**	200 R	200 R
Xylenes (total)	ug/L					3 U	3 U	750 R	750 R

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M25 08/28/97	99M25-W0504 05/02/04	99M26 01/01/00	99M26 08/29/97	99M26 09/10/99	99M26-W0504 04/29/04	99M26-W0504-DL 04/29/04	99M26-W0504-QC 04/29/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	2 U		2 U	2 U	2 U	20 U	2 U
1,1,2-Trichloroethane	ug/L	1 U	2 U		2 U	2.1 U	2 U	20 U	2 U
1,1-Dichloroethane	ug/L	1 U	2 U		2 U	2.55 U	2 U	20 U	2 U
1,1-Dichloroethene	ug/L	1 U	2 U		2 U	4.84 U	2 U	20 U	2 U
1,2,4-Trichlorobenzene	ug/L		2 U			4 U	2 U	20 U	2 U
1,2,4-Trimethylbenzene	ug/L		2 U			2.1 U	2 U	20 U	2 U
1,2-Dichlorobenzene	ug/L		2 U			1.55 U	2 U	20 U	2 U
1,2-Dichloroethane	ug/L	1 U	2 U		2 U	2.4 U	2 U	20 U	2 U
1,2-Dichloropropane	ug/L	1 U	2 U		2 U	2.9 U	2 U	20 U	2 U
1,3,5-Trimethylbenzene	ug/L		2 U			2.45 U	2 U	20 U	2 U
1,4-Dichlorobenzene	ug/L		2 U			1.2 U	2 U	20 U	2 U
2-Butanone	ug/L	5 U	2 U		10 U	5 U	2 U	20 U	2 U
4-Chlorotoluene	ug/L		2 U			1.65 U	2 U	20 U	2 U
Acetone	ug/L	5 U	2 U		10 U	5 U	2 U	20 U	2 U
Benzene	ug/L	1 U	2 U		2 U	1.7 U	2 U	20 U	2 U
Bromodichloromethane	ug/L	1 U	2 U		2 U	2.6 U	2 U	20 U	2 U
Bromomethane	ug/L	1 U	2 U		2 U	3.12 U	2 U	20 U	2 U
Carbon disulfide	ug/L	1 U	2 U		2 U		2 U	20 U	2 U
Carbon tetrachloride	ug/L	1 U	2 U	1 U	2 U	2.1 U	**0.62 J**	20 U	**0.58 J**
Chlorobenzene	ug/L	1 U	2 U		2 U	1.8 U	2 U	20 U	2 U
Chloroethane	ug/L	1 U	2 U		2 U	2.78 U	2 U	20 U	2 U
Chloroform	ug/L	1 U	2 U		2 U	2.25 U	**0.97 J**	20 U	**1.06 J**
cis-1,2-Dichloroethene	ug/L	1 U	2 U	5 U	2 U	2.55 U	**2.04**	**2.21 J**	**1.94 J**
Ethylbenzene	ug/L	1 U	2 U		2 U	1.9 U	2 U	20 U	2 U
Isopropylbenzene	ug/L		2 U			2.5 U	2 U	20 U	2 U
Methylene chloride	ug/L	1 U	2 U		2 U	2.10 U	2 U	20 U	2 U
m-Xylene and p-Xylene	ug/L	1 U	2 U		2 U	1.95 U	2 U	20 U	2 U
Naphthalene	ug/L		2 U			3.5 U	2 U	20 U	2 U
n-Butylbenzene	ug/L		2 U			4.65 U	2 U	20 U	2 U
n-Propylbenzene	ug/L		2 U			2.25 U	2 U	20 U	2 U
o-Xylene	ug/L	**0.7 J**	2 U		**7 T**	2.5 U	2 U	20 U	2 U
p-Isopropyltoluene	ug/L		2 U			1.45 U	2 U	20 U	2 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M25 08/28/97	99M25-W0504 05/02/04	99M26 01/01/00	99M26 08/29/97	99M26 09/10/99	99M26-W0504 04/29/04	99M26-W0504-DL 04/29/04	99M26-W0504-QC 04/29/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L		2 U			3.1 U	2 U	20 U	2 U
tert-Butylbenzene	ug/L		2 U			3.05 U	2 U	20 U	2 U
Tetrachloroethene	ug/L	1 U	2 U	1 U	2 U	2.9 U	2 U	20 U	2 U
Toluene	ug/L	1 U	2 U		2 U	3.85 U	2 U	20 U	2 U
trans-1,2-Dichloroethene	ug/L	1 U	2 U		2 U	1.86 U	**0.45 J**	20 U	**0.54 J**
Trichloroethene	ug/L	**2 F**	**0.83 J**	**52.3**	**42 F**	**45.74**	**164 E**	**126**	**161 E**
Trichlorofluoromethane	ug/L		2 U				2 U	20 U	2 U
Vinyl chloride	ug/L	1 U	2 U		2 U	3.06 U	2 U	20 U	2 U
Xylenes (total)	ug/L								

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M26-W0504-QC-DL 04/29/04	99M26-W0603 06/23/03	99M26-W0603-DL 06/23/03	99M27	99M27 01/01/00	99M27 08/26/97	99M27 09/22/99	99M28 01/01/00
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	20 U	0.5 U	5 R	**181.79 E**	**310**	5 U	0.4 U	1 U
1,1,2-Trichloroethane	ug/L	20 U	0.7 U	7 R	0.143 U	1 U	5 U	0.42 U	1 U
1,1-Dichloroethane	ug/L	20 U	0.5 U	5 R	**2.92**		5 U	0.51 U	
1,1-Dichloroethene	ug/L	20 U	0.5 U	5 R	**19**	**34**	5 U	0.97 U	1 U
1,2,4-Trichlorobenzene	ug/L	20 U	0.6 U	6 R	0.108 U			0.8 U	
1,2,4-Trimethylbenzene	ug/L	20 U	0.5 U	5 R	0.111 U			0.42 U	
1,2-Dichlorobenzene	ug/L	20 U	0.5 U	5 R	0.141 U			0.31 U	
1,2-Dichloroethane	ug/L	20 U	0.5 U	5 R	0.182 U		5 U	0.48 U	
1,2-Dichloropropane	ug/L	20 U	0.5 U	5 R	0.119 U	1 U	5 U	0.58 U	1 U
1,3,5-Trimethylbenzene	ug/L	20 U	0.5 U	5 R	0.113 U			0.49 U	
1,4-Dichlorobenzene	ug/L	20 U	0.5 U	5 R	0.15 U			0.24 U	
2-Butanone	ug/L	20 U	10 U	100 R	0.481 U	1 U	25 U	1 U	1 U
4-Chlorotoluene	ug/L	20 U	0.6 U	6 R	0.1 U			0.33 U	
Acetone	ug/L	20 U	10 U	100 R	0.612 U	**9 J**	25 U	1 U	1 U
Benzene	ug/L	20 U	0.5 U	5 R	0.139 U	1 U	5 U	0.34 U	1 U
Bromodichloromethane	ug/L	20 U	0.5 U	5 R	0.135 U		5 U	0.52 U	
Bromomethane	ug/L	20 U	1 U	10 R	0.201 U		5 U	0.62 U	
Carbon disulfide	ug/L	20 U	0.5 U	5 R			5 U		
Carbon tetrachloride	ug/L	20 U	**0.55**	5 R	0.137 U	1 U	5 U	0.42 U	1 U
Chlorobenzene	ug/L	20 U	0.5 U	5 R	0.156 U	1 U	5 U	0.36 U	1 U
Chloroethane	ug/L	20 U	1 U	10 R	0.207 U	1 U	5 U	0.56 U	1 U
Chloroform	ug/L	20 U	**0.88**	5 R	0.214 U	1 U	5 U	0.45 U	1 U
cis-1,2-Dichloroethene	ug/L	**1.8 J**	**1.5**	5 R	**48.04**	**44**	**34**	0.51 U	1 U
Ethylbenzene	ug/L	20 U	0.5 U	5 R	0.1 U	1 U	5 U	0.38 U	1 U
Isopropylbenzene	ug/L	20 U	0.5 U	5 R	0.1 U			0.5 U	
Methylene chloride	ug/L	20 U	2 U	20 R	0.398 U	2 U	**23**	**1.1 J**	2 U
m-Xylene and p-Xylene	ug/L	20 U			0.216 U		5 U	0.39 U	
Naphthalene	ug/L	20 U	2 U	20 R	0.139 U			0.7 U	
n-Butylbenzene	ug/L	20 U	0.5 U	5 R	0.14 U			0.93 U	
n-Propylbenzene	ug/L	20 U	0.5 U	5 R	0.1 U			0.45 U	
o-Xylene	ug/L	20 U			0.102 U		5 U	0.5 U	
p-Isopropyltoluene	ug/L	20 U	0.6 U	6 R	0.1 U			0.29 U	

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M26-W0504-QC-DL 04/29/04	99M26-W0603 06/23/03	99M26-W0603-DL 06/23/03	99M27	99M27 01/01/00	99M27 08/26/97	99M27 09/22/99	99M28 01/01/00
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	20 U	0.6 U	6 R	0.133 U			0.62 U	
tert-Butylbenzene	ug/L	20 U	0.5 U	5 R	0.17 U			0.61 U	
Tetrachloroethene	ug/L	20 U	0.5 U	5 R	0.115 U	1 U	5 U	0.58 U	1 U
Toluene	ug/L	20 U	0.5 U	5 R	0.105 U	1 U	5 U	0.77 U	1 U
trans-1,2-Dichloroethene	ug/L	20 U	**0.42 J**	5 R	**1.62 J**	1 U	5 U	0.37 U	1 U
Trichloroethene	ug/L	**106**	0.5 R	**130**	**34.86**	1 U	**120 F**	0.58 U	**5**
Trichlorofluoromethane	ug/L	20 U	0.5 U	5 R					
Vinyl chloride	ug/L	20 U	0.8 U	8 R	0.239 U	1 U	5 U	0.61 U	1 U
Xylenes (total)	ug/L		3 U	30 R		1 U			1 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M28 09/05/97	99M28 09/23/99	99M28-W0504 04/27/04	99M28-W0603 06/24/03	99M29	99M29 01/01/00	99M29 09/02/97	99M29 09/22/99
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	0.4 U	2 U	0.5 U	0.18 U	1 U	1 U	**75.59**
1,1,2-Trichloroethane	ug/L	1 U	0.42 U	2 U	0.7 U	0.143 U	1 U	1 U	0.42 U
1,1-Dichloroethane	ug/L	1 U	0.51 U	2 U	0.5 U	0.214 U		1 U	0.51 U
1,1-Dichloroethene	ug/L	1 U	0.97 U	2 U	0.5 U	0.183 U	1 U	1 U	**6.8**
1,2,4-Trichlorobenzene	ug/L		0.8 U	2 U	0.6 U	0.108 U			0.8 U
1,2,4-Trimethylbenzene	ug/L		0.42 U	2 U	0.5 U	0.111 U			0.42 U
1,2-Dichlorobenzene	ug/L		0.31 U	2 U	0.5 U	0.141 U			0.31 U
1,2-Dichloroethane	ug/L	1 U	0.48 U	2 U	0.5 U	0.182 U		1 U	0.48 U
1,2-Dichloropropane	ug/L	1 U	0.58 U	2 U	0.5 U	0.119 U	1 U	1 U	0.58 U
1,3,5-Trimethylbenzene	ug/L		0.49 U	2 U	0.5 U	0.113 U			0.49 U
1,4-Dichlorobenzene	ug/L		0.24 U	2 U	0.5 U	0.15 U			0.24 U
2-Butanone	ug/L	5 U	1 U	2 U	10 U	0.481 U	1 U	5 U	1 U
4-Chlorotoluene	ug/L		0.33 U	2 U	0.6 U	0.1 U			0.33 U
Acetone	ug/L	5 U	1 U	2 U	10 U	0.612 U	1 U	5 U	1 U
Benzene	ug/L	1 U	0.34 U	2 U	0.5 U	0.139 U	1 U	1 U	0.34 U
Bromodichloromethane	ug/L	1 U	0.52 U	2 U	0.5 U	0.135 U		1 U	0.52 U
Bromomethane	ug/L	1 U	0.62 U	2 U	1 U	0.201 U		1 U	0.62 U
Carbon disulfide	ug/L	1 U		2 U	0.5 U			1 U	
Carbon tetrachloride	ug/L	1 U	0.42 U	2 U	0.5 U	0.137 U	1 U	1 U	0.42 U
Chlorobenzene	ug/L	1 U	0.36 U	2 U	0.5 U	0.156 U	1 U	1 U	0.36 U
Chloroethane	ug/L	1 U	0.56 U	2 U	1 U	0.207 U	1 U	1 U	0.56 U
Chloroform	ug/L	1 U	0.45 U	2 U	0.5 U	0.214 U	1 U	1 U	0.45 U
cis-1,2-Dichloroethene	ug/L	**0.8 J**	0.51 U	**2.05**	**1.4**	0.151 U	1 U	1 U	**47.74**
Ethylbenzene	ug/L	1 U	0.38 U	2 U	0.5 U	0.1 U	1 U	1 U	0.38 U
Isopropylbenzene	ug/L		0.5 U	2 U	0.5 U	0.1 U			0.5 U
Methylene chloride	ug/L	**1**	**1.23 J**	2 U	2 U	0.398 U	2 U	1 U	**2.2 J**
m-Xylene and p-Xylene	ug/L	1 U	0.39 U	2 U		0.216 U		1 U	0.39 U
Naphthalene	ug/L		0.7 U	2 U	2 U	0.139 U			0.7 U
n-Butylbenzene	ug/L		0.93 U	2 U	0.5 U	0.14 U			0.93 U
n-Propylbenzene	ug/L		0.45 U	2 U	0.5 U	0.1 U			0.45 U
o-Xylene	ug/L	1 U	0.5 U	2 U		0.102 U		**3 T**	0.5 U
p-Isopropyltoluene	ug/L		0.29 U	2 U	0.6 U	0.1 U			0.29 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M28 09/05/97	99M28 09/23/99	99M28-W0504 04/27/04	99M28-W0603 06/24/03	99M29	99M29 01/01/00	99M29 09/02/97	99M29 09/22/99
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L		0.62 U	2 U	0.6 U	0.133 U			0.62 U
tert-Butylbenzene	ug/L		0.61 U	2 U	0.5 U	0.17 U			0.61 U
Tetrachloroethene	ug/L	1 U	0.58 U	2 U	0.5 U	0.115 U	1 U	1 U	0.58 U
Toluene	ug/L	1 U	0.77 U	2 U	0.5 U	0.105 U	1 U	1 U	0.77 U
trans-1,2-Dichloroethene	ug/L	1 U	0.37 U	2 U	0.5 U	0.152 U	1 U	1 U	**1.15 J**
Trichloroethene	ug/L	**6 F**	**4.64 J**	**17.3**	**14**	0.151 U	1 U	1 U	**43.36**
Trichlorofluoromethane	ug/L			2 U	0.5 U				
Vinyl chloride	ug/L	1 U	0.61 U	2 U	0.8 U	0.239 U	1 U	1 U	0.61 U
Xylenes (total)	ug/L				3 U		1 U		

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M29-W0504 04/28/04	99M29-W0603 06/24/03	99M30 09/02/97	99M30 09/21/99	99M30-W0504 04/27/04	99M30-W0603 06/24/03	99M31 01/01/00	99M31 09/09/97
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	0.5 U	1 U	0.4 U	2 U	0.5 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	2 U	0.7 U	1 U	0.42 U	2 U	0.7 U	1 U	1 U
1,1-Dichloroethane	ug/L	2 U	0.5 U	1 U	0.51 U	2 U	0.5 U		1 U
1,1-Dichloroethene	ug/L	2 U	0.5 U	1 U	0.97 U	2 U	0.5 U	1 U	1 U
1,2,4-Trichlorobenzene	ug/L	2 U	0.6 U		0.8 U	2 U	0.6 U		
1,2,4-Trimethylbenzene	ug/L	2 U	0.5 U		0.42 U	2 U	0.5 U		
1,2-Dichlorobenzene	ug/L	2 U	0.5 U		0.31 U	2 U	0.5 U		
1,2-Dichloroethane	ug/L	2 U	0.5 U	1 U	0.48 U	2 U	0.5 UJ		1 U
1,2-Dichloropropane	ug/L	2 U	0.5 U	1 U	0.58 U	2 U	0.5 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/L	2 U	0.5 U		0.49 U	2 U	0.5 U		
1,4-Dichlorobenzene	ug/L	2 U	0.5 U		0.24 U	2 U	0.5 U		
2-Butanone	ug/L	2 U	10 U	5 U	1 U	2 U	10 U	1 U	5 U
4-Chlorotoluene	ug/L	2 U	0.6 U		0.33 U	2 U	0.6 U		
Acetone	ug/L	2 U	10 U	5 U	1 U	2 U	10 U	1 U	5 U
Benzene	ug/L	2 U	0.5 U	1 U	0.34 U	2 U	0.5 U	**1**	1 U
Bromodichloromethane	ug/L	2 U	0.5 U	1 U	0.52 U	2 U	0.5 U		1 U
Bromomethane	ug/L	2 U	1 U	1 U	0.62 U	2 U	1 U		1 U
Carbon disulfide	ug/L	2 U	0.5 U	1 U		2 U	0.5 U		1 U
Carbon tetrachloride	ug/L	2 U	0.5 U	1 U	0.42 U	2 U	0.5 UJ	1 U	1 U
Chlorobenzene	ug/L	2 U	0.5 U	1 U	0.36 U	2 U	0.5 U	1 U	1 U
Chloroethane	ug/L	2 U	1 U	1 U	0.56 U	2 U	1 U	1 U	1 U
Chloroform	ug/L	2 U	0.5 U	1 U	0.45 U	2 U	0.5 U	1 U	1 U
cis-1,2-Dichloroethene	ug/L	2 U	0.5 U	1 U	0.51 U	2 U	0.5 U	1 U	1 U
Ethylbenzene	ug/L	2 U	0.5 U	1 U	0.38 U	2 U	0.5 U	1 U	1 U
Isopropylbenzene	ug/L	2 U	0.5 U		0.5 U	2 U	0.5 U		
Methylene chloride	ug/L	2 U	2 U	1 U	0.42 U	2 U	2 U	2 U	1 U
m-Xylene and p-Xylene	ug/L	2 U		1 U	0.39 U	2 U			1 U
Naphthalene	ug/L	2 U	2 U		0.7 U	2 U	2 U		
n-Butylbenzene	ug/L	2 U	0.5 U		0.93 U	2 U	0.5 U		
n-Propylbenzene	ug/L	2 U	0.5 U		0.45 U	2 U	0.5 U		
o-Xylene	ug/L	2 U		1 U	0.5 U	2 U			1 U
p-Isopropyltoluene	ug/L	2 U	0.6 U		0.29 U	2 U	0.6 U		

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M29-W0504 04/28/04	99M29-W0603 06/24/03	99M30 09/02/97	99M30 09/21/99	99M30-W0504 04/27/04	99M30-W0603 06/24/03	99M31 01/01/00	99M31 09/09/97
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U	0.6 U		0.62 U	2 U	0.6 U		
tert-Butylbenzene	ug/L	2 U	0.5 U		0.61 U	2 U	0.5 U		
Tetrachloroethene	ug/L	2 U	0.5 U	1 U	0.58 U	2 U	0.5 U	1 U	1 U
Toluene	ug/L	2 U	0.5 U	1 U	0.77 U	2 U	0.5 U	1 U	1 U
trans-1,2-Dichloroethene	ug/L	2 U	0.5 U	1 U	0.37 U	2 U	0.5 U	1 U	1 U
Trichloroethene	ug/L	2 U	**0.22 J**	**2 F**	0.58 U	2 U	0.5 U	1 U	1 U
Trichlorofluoromethane	ug/L	2 U	0.5 U			2 U	0.5 U		
Vinyl chloride	ug/L	2 U	0.8 U	1 U	0.61 U	2 U	0.8 U	1 U	1 U
Xylenes (total)	ug/L		3 U				3 U	1 U	

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M31-W0504 04/30/04	99M32 01/01/00	99M32 08/27/97	99M32 09/16/99	99M32-W0504 05/04/04	99M32-W0603 06/29/03	99M32-W0603-DL1 06/29/03	99M32-W0603-DL2 06/29/03
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	1 U	500 U	0.4 U	2 U	0.5 U	5 R	120 R
1,1,2-Trichloroethane	ug/L	2 U	1 U	500 U	0.42 U	2 U	0.7 U	7 R	170 R
1,1-Dichloroethane	ug/L	2 U		500 U	0.51 U	2 U	0.5 U	5 R	120 R
1,1-Dichloroethene	ug/L	2 U	**38 J**	500 U	**31.5**	**54.6**	0.5 R	**71**	120 R
1,2,4-Trichlorobenzene	ug/L	2 U			0.8 U	2 U	0.6 U	6 R	150 R
1,2,4-Trimethylbenzene	ug/L	2 U			0.42 U	2 U	0.5 U	5 R	120 R
1,2-Dichlorobenzene	ug/L	2 U			0.31 U	2 U	0.5 U	5 R	120 R
1,2-Dichloroethane	ug/L	2 U		500 U	0.48 U	2 U	0.5 U	5 R	120 R
1,2-Dichloropropane	ug/L	2 U	1 U	500 U	0.58 U	2 U	0.5 U	5 R	120 R
1,3,5-Trimethylbenzene	ug/L	2 U			0.49 U	2 U	0.5 U	5 R	120 R
1,4-Dichlorobenzene	ug/L	2 U			0.24 U	2 U	0.5 U	5 R	120 R
2-Butanone	ug/L	2 U	1 U	2500 U	1 U	2 U	10 U	100 R	2500 R
4-Chlorotoluene	ug/L	2 U			0.33 U	2 U	0.6 U	6 R	150 R
Acetone	ug/L	2 U	1 U	2500 U	1 U	2 U	10 U	100 R	2500 R
Benzene	ug/L	2 U	1 U	500 U	0.34 U	2 U	**0.53**	5 R	120 R
Bromodichloromethane	ug/L	2 U		500 U	0.52 U	2 U	0.5 U	5 R	120 R
Bromomethane	ug/L	2 U		500 U	0.62 U	2 U	1 U	10 R	250 R
Carbon disulfide	ug/L	2 U		500 U		2 U	0.5 U	5 R	120 R
Carbon tetrachloride	ug/L	2 U	1 U	500 U	0.42 U	2 U	0.5 U	5 R	120 R
Chlorobenzene	ug/L	2 U	1 U	500 U	0.36 U	2 U	0.5 U	5 R	120 R
Chloroethane	ug/L	2 U	**3.2**	500 U	0.56 U	2 U	**3.1**	10 R	250 R
Chloroform	ug/L	2 U	1 U	500 U	0.45 U	2 U	0.5 U	5 R	120 R
cis-1,2-Dichloroethene	ug/L	2 U	**1100**	**2200**	**1561.16 E**	**2004 E**	0.5 R	5 R	**4800**
Ethylbenzene	ug/L	2 U	1 U	500 U	0.38 U	2 U	0.5 U	5 R	120 R
Isopropylbenzene	ug/L	2 U			0.5 U	2 U	0.5 U	5 R	120 R
Methylene chloride	ug/L	2 U	2 U	500 U	0.42 U	2 U	2 U	20 R	500 R
m-Xylene and p-Xylene	ug/L	2 U		500 U	0.39 U	2 U			
Naphthalene	ug/L	2 U			0.7 U	2 U	2 U	20 R	500 R
n-Butylbenzene	ug/L	2 U			0.93 U	2 U	**0.73**	5 R	120 R
n-Propylbenzene	ug/L	2 U			0.45 U	2 U	0.5 U	5 R	120 R
o-Xylene	ug/L	2 U		500 U	0.5 U	**1.02 J**			
p-Isopropyltoluene	ug/L	2 U			**2.92 J**	**2.55**	0.6 U	6 R	150 R

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M31-W0504 04/30/04	99M32 01/01/00	99M32 08/27/97	99M32 09/16/99	99M32-W0504 05/04/04	99M32-W0603 06/29/03	99M32-W0603-DL1 06/29/03	99M32-W0603-DL2 06/29/03
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U			**3.8 J**	2 U	**0.98**	6 R	150 R
tert-Butylbenzene	ug/L	2 U			0.61 U	**0.52 J**	**0.35 J**	5 R	120 R
Tetrachloroethene	ug/L	2 U	1 U	500 U	0.58 U	2 U	0.5 U	5 R	120 R
Toluene	ug/L	2 U	1 U	500 U	**1.4 J**	**2.44**	**1.3**	5 R	120 R
trans-1,2-Dichloroethene	ug/L	2 U	**24**	500 U	**41.84**	**44.1**	0.5 R	**49**	120 R
Trichloroethene	ug/L	**1.51 J**	**650**	**16000 F**	**1156.8 E**	**1443 E**	0.5 R	5 R	**5000**
Trichlorofluoromethane	ug/L	2 U				2 U	0.5 U	5 R	120 R
Vinyl chloride	ug/L	2 U	**1300**	**790**	**914.62 E**	**973 E**	0.8 R	8 R	**1100**
Xylenes (total)	ug/L		1 U				**0.63 J**	30 R	750 R

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M33 09/04/97	99M33-W0504 05/04/04	99M33-W0603 06/28/03	99M34 09/09/97	99M34 09/17/99	99M34-W0504 05/04/04	99M34-W0504-DL1 05/04/04	99M34-W0504-DL2 05/04/04
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	1 U	2 U	0.5 U	2 U	0.4 U	2 U	50 U	1000 U
1,1,2-Trichloroethane	ug/L	1 U	2 U	0.7 U	2 U	0.42 U	2 U	50 U	1000 U
1,1-Dichloroethane	ug/L	1 U	2 U	0.5 U	2 U	**2.14 J**	2 U	50 U	1000 U
1,1-Dichloroethene	ug/L	1 U	2 U	0.5 U	**7 J**	**6.71**	**12.7**	**12.6 J**	1000 U
1,2,4-Trichlorobenzene	ug/L		2 U	0.6 U		0.8 U	2 U	50 U	1000 U
1,2,4-Trimethylbenzene	ug/L		2 U	0.5 U		0.42 U	2 U	50 U	1000 U
1,2-Dichlorobenzene	ug/L		2 U	0.5 U		0.31 U	2 U	50 U	1000 U
1,2-Dichloroethane	ug/L	1 U	2 U	0.5 U	2 U	0.48 U	2 U	50 U	1000 U
1,2-Dichloropropane	ug/L	1 U	2 U	0.5 U	2 U	0.58 U	2 U	50 U	1000 U
1,3,5-Trimethylbenzene	ug/L		2 U	0.5 U		0.49 U	2 U	50 U	1000 U
1,4-Dichlorobenzene	ug/L		2 U	0.5 U		0.24 U	2 U	50 U	1000 U
2-Butanone	ug/L	5 U	2 U	10 U	10 U	1 U	2 U	50 U	1000 U
4-Chlorotoluene	ug/L		2 U	0.6 U		0.33 U	2 U	50 U	1000 U
Acetone	ug/L	5 U	2 U	10 U	10 U	**6.91**	2 U	50 U	1000 U
Benzene	ug/L	1 U	2 U	0.5 U	2 U	**1.59 J**	2 U	50 U	1000 U
Bromodichloromethane	ug/L	1 U	2 U	0.5 U	2 U	0.52 U	2 U	50 U	1000 U
Bromomethane	ug/L	1 U	2 U	1 U	2 U	6489 U	2 U	50 U	1000 U
Carbon disulfide	ug/L	1 U	2 U	0.5 U	2 U		2 U	50 U	1000 U
Carbon tetrachloride	ug/L	1 U	2 U	0.5 U	2 U	0.42 U	2 U	50 U	1000 U
Chlorobenzene	ug/L	1 U	2 U	0.5 U	2 U	0.36 U	2 U	50 U	1000 U
Chloroethane	ug/L	1 U	2 U	1 U	2 U	5887 U	2 U	50 U	1000 U
Chloroform	ug/L	1 U	2 U	0.5 U	2 U	0.45 U	2 U	50 U	1000 U
cis-1,2-Dichloroethene	ug/L	1 U	**0.85 J**	0.5 U	**250**	**269.05 E**	**223 E**	**301**	**446 J**
Ethylbenzene	ug/L	1 U	2 U	0.5 U	2 U	0.38 U	2 U	50 U	1000 U
Isopropylbenzene	ug/L		2 U	0.5 U		0.5 U	2 U	50 U	1000 U
Methylene chloride	ug/L	**3 T**	2 U	2 U	2 U	8632 U	2 U	50 U	1000 U
m-Xylene and p-Xylene	ug/L	1 U	2 U		2 U	**2.74 J**	2 U	50 U	1000 U
Naphthalene	ug/L		2 U	2 U		0.7 U	2 U	50 U	1000 U
n-Butylbenzene	ug/L		2 U	0.5 U		0.93 U	2 U	50 U	1000 U
n-Propylbenzene	ug/L		2 U	0.5 U		0.45 U	2 U	50 U	1000 U
o-Xylene	ug/L	1 U	2 U		2 U	**1.37 J**	2 U	50 U	1000 U
p-Isopropyltoluene	ug/L		2 U	0.6 U		0.29 U	2 U	50 U	1000 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M33 09/04/97	99M33-W0504 05/04/04	99M33-W0603 06/28/03	99M34 09/09/97	99M34 09/17/99	99M34-W0504 05/04/04	99M34-W0504-DL1 05/04/04	99M34-W0504-DL2 05/04/04
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L		2 U	0.6 U		0.62 U	2 U	50 U	1000 U
tert-Butylbenzene	ug/L		2 U	0.5 U		0.61 U	2 U	50 U	1000 U
Tetrachloroethene	ug/L	1 U	2 U	0.5 U	2 U	0.58 U	2 U	50 U	1000 U
Toluene	ug/L	1 U	2 U	0.5 U	2 U	**6.42**	2 U	50 U	1000 U
trans-1,2-Dichloroethene	ug/L	1 U	2 U	0.5 U	**13**	**22.48**	**17**	**12.7 J**	1000 U
Trichloroethene	ug/L	**2 F**	**4.06**	**1.3**	**240 F**	**155.62 E**	**47.4**	**41 J**	1000 U
Trichlorofluoromethane	ug/L		2 U	0.5 U			2 U	50 U	1000 U
Vinyl chloride	ug/L	1 U	2 U	0.8 U	2 U	**3.8 J**	2 U	50 U	1000 U
Xylenes (total)	ug/L			3 U					

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M34-W0603 06/26/03	99M34-W0603-DL 06/26/03	99M35 01/01/00	99M35 09/03/97	99M35 09/17/99	99M35-W0504 05/04/04	99M35-W0603 06/26/03	99M35-W0603-D 06/26/03
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	0.5 U	5 R		**5**	**1 J**	2 U	0.5 U	0.5 U
1,1,2-Trichloroethane	ug/L	0.7 U	7 R		1 U	0.42 U	2 U	0.7 U	0.7 U
1,1-Dichloroethane	ug/L	**3.8**	5 R		1 U	0.51 U	2 U	0.5 U	0.5 U
1,1-Dichloroethene	ug/L	**24**	5 R		**19**	**4.81 J**	**2.79**	**2.6**	**2.6**
1,2,4-Trichlorobenzene	ug/L	0.6 U	6 R			0.8 U	2 U	0.6 U	0.6 U
1,2,4-Trimethylbenzene	ug/L	0.5 U	5 R			0.42 U	2 U	0.5 U	0.5 U
1,2-Dichlorobenzene	ug/L	0.5 U	5 R			0.31 U	2 U	0.5 U	0.5 U
1,2-Dichloroethane	ug/L	0.5 U	5 R		1 U	0.48 U	2 U	0.5 U	0.5 U
1,2-Dichloropropane	ug/L	0.5 U	5 R		1 U	0.58 U	2 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	0.5 U	5 R			0.49 U	2 U	0.5 U	0.5 U
1,4-Dichlorobenzene	ug/L	0.5 U	5 R			0.24 U	2 U	0.5 U	0.5 U
2-Butanone	ug/L	10 U	100 R		5 U	1 U	2 U	10 U	10 U
4-Chlorotoluene	ug/L	0.6 U	6 R			0.33 U	2 U	0.6 U	0.6 U
Acetone	ug/L	10 U	100 R		5 U	1 U	2 U	10 U	10 U
Benzene	ug/L	0.5 U	5 R		1 U	0.34 U	2 U	0.5 U	0.5 U
Bromodichloromethane	ug/L	0.5 U	5 R		1 U	0.52 U	2 U	0.5 U	0.5 U
Bromomethane	ug/L	1 U	10 R		1 U	0.62 U	2 U	1 U	1 U
Carbon disulfide	ug/L	**0.35 J**	5 R		1 U		2 U	0.5 U	0.5 U
Carbon tetrachloride	ug/L	0.5 U	5 R	1 U	1 U	0.42 U	2 U	0.5 U	0.5 U
Chlorobenzene	ug/L	0.5 U	5 R		1 U	0.36 U	2 U	0.5 U	0.5 U
Chloroethane	ug/L	1 U	10 R		1 U	0.56 U	2 U	1 U	1 U
Chloroform	ug/L	0.5 U	5 R		1 U	0.45 U	2 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	ug/L	0.5 R	**370**	5 U	**1**	**1.36 J**	2 U	**0.27 J**	**0.25 J**
Ethylbenzene	ug/L	0.5 U	5 R		1 U	0.38 U	2 U	0.5 U	0.5 U
Isopropylbenzene	ug/L	0.5 U	5 R			0.5 U	2 U	0.5 U	0.5 U
Methylene chloride	ug/L	2 U	20 R		**1**	0.42 U	2 U	2 U	2 U
m-Xylene and p-Xylene	ug/L				1 U	0.39 U	2 U		
Naphthalene	ug/L	2 U	20 R			0.7 U	2 U	2 U	2 U
n-Butylbenzene	ug/L	0.5 U	5 R			0.93 U	2 U	0.5 U	0.5 U
n-Propylbenzene	ug/L	0.5 U	5 R			0.45 U	2 U	0.5 U	0.5 U
o-Xylene	ug/L				1 U	0.5 U	2 U		
p-Isopropyltoluene	ug/L	0.6 U	6 R			0.29 U	2 U	0.6 U	0.6 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M34-W0603 06/26/03	99M34-W0603-DL 06/26/03	99M35 01/01/00	99M35 09/03/97	99M35 09/17/99	99M35-W0504 05/04/04	99M35-W0603 06/26/03	99M35-W0603-D 06/26/03
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	0.6 U	6 R			0.62 U	2 U	0.6 U	0.6 U
tert-Butylbenzene	ug/L	0.5 U	5 R			0.61 U	2 U	0.5 U	0.5 U
Tetrachloroethene	ug/L	0.5 U	5 R	1 U	1 U	0.58 U	2 U	0.5 U	0.5 U
Toluene	ug/L	0.5 U	5 R		1 U	0.77 U	2 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	ug/L	**27**	5 R		1 U	0.37 U	2 U	0.5 U	0.5 U
Trichloroethene	ug/L	0.5 R	**41**	**13**	**22 F**	**9.43**	**6.21**	**4.9**	**5**
Trichlorofluoromethane	ug/L	0.5 U	5 R				2 U	0.5 U	0.5 U
Vinyl chloride	ug/L	**8.2**	8 R		1 U	0.61 U	2 U	0.8 U	0.8 U
Xylenes (total)	ug/L	3 U	30 R					3 U	3 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M36 01/01/00	99M36 09/09/97	99M37 01/01/00	99M37 08/26/97	99M37-W0504 05/04/04	99M38 01/01/00	99M38 09/05/97	99M38 09/16/99
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L		1 U		1 U	2 U	1 U	25 U	0.4 U
1,1,2-Trichloroethane	ug/L		1 U		1 U	2 U	1 U	25 U	0.42 U
1,1-Dichloroethane	ug/L		1 U		1 U	2 U		25 U	0.51 U
1,1-Dichloroethene	ug/L		1 U		1 U	2 U	1 U	25 U	0.97 U
1,2,4-Trichlorobenzene	ug/L					2 U			0.8 U
1,2,4-Trimethylbenzene	ug/L					2 U			0.42 U
1,2-Dichlorobenzene	ug/L					2 U			0.31 U
1,2-Dichloroethane	ug/L		1 U		1 U	2 U		25 U	0.48 U
1,2-Dichloropropane	ug/L		1 U		1 U	2 U	1 U	25 U	0.58 U
1,3,5-Trimethylbenzene	ug/L					2 U			0.49 U
1,4-Dichlorobenzene	ug/L					2 U			0.24 U
2-Butanone	ug/L		5 U		5 U	2 U	1 U	120 U	1 U
4-Chlorotoluene	ug/L					2 U			0.33 U
Acetone	ug/L		5 U		5 U	2 U	1 U	120 U	**2.69 J**
Benzene	ug/L		**0.8 J**		1 U	2 U	1 U	25 U	0.34 U
Bromodichloromethane	ug/L		1 U		1 U	2 U		25 U	0.52 U
Bromomethane	ug/L		1 U		1 U	2 U		25 U	0.62 U
Carbon disulfide	ug/L		1 U		1 U	2 U		25 U	
Carbon tetrachloride	ug/L	1 U	1 U	1 U	1 U	2 U	1 U	25 U	0.42 U
Chlorobenzene	ug/L		1 U		1 U	2 U	1 U	25 U	0.36 U
Chloroethane	ug/L		1 U		1 U	2 U	1 U	25 U	0.56 U
Chloroform	ug/L		1 U		1 U	2 U	1 U	25 U	0.45 U
cis-1,2-Dichloroethene	ug/L	5 U	1 U	5 U	1 U	2 U	**100**	**84**	**89.99**
Ethylbenzene	ug/L		**2**		1 U	2 U	1 U	25 U	0.38 U
Isopropylbenzene	ug/L					2 U			0.5 U
Methylene chloride	ug/L		**2**		**2 T**	2 U	2 U	25 U	0.42 U
m-Xylene and p-Xylene	ug/L		**31**		1 U	2 U		25 U	0.39 U
Naphthalene	ug/L					2 U			0.7 U
n-Butylbenzene	ug/L					2 U			0.93 U
n-Propylbenzene	ug/L					2 U			0.45 U
o-Xylene	ug/L		**2**		1 U	2 U		25 U	0.5 U
p-Isopropyltoluene	ug/L					2 U			0.29 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M36 01/01/00	99M36 09/09/97	99M37 01/01/00	99M37 08/26/97	99M37-W0504 05/04/04	99M38 01/01/00	99M38 09/05/97	99M38 09/16/99
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L					2 U			0.62 U
tert-Butylbenzene	ug/L					2 U			0.61 U
Tetrachloroethene	ug/L	1 U	1 U	1 U	1 U	2 U	1 U	25 U	0.58 U
Toluene	ug/L		1 U		1 U	2 U	1 U	25 U	0.77 U
trans-1,2-Dichloroethene	ug/L		1 U		1 U	2 U	**4.4**	25 U	**3.45 J**
Trichloroethene	ug/L	1 U	1 U	1 U	**1 F**	2 U	**650**	**700 F**	**368.77 E**
Trichlorofluoromethane	ug/L					2 U			
Vinyl chloride	ug/L		1 U		1 U	2 U	1 U	25 U	0.61 U
Xylenes (total)	ug/L						1 U		

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M38-W0504 04/29/04	99M38-W0504-DL 04/29/04	99M38-W0504-QC 04/29/04	99M38-W0504-QC-DL 04/29/04	99M38-W0603 06/25/03	99M38-W0603-DL 06/25/03	99M39 01/01/00	99M39 09/21/99
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.4 U
1,1,2-Trichloroethane	ug/L	2 U	20 U	2 U	20 U	0.7 U	18 R	1 U	0.42 U
1,1-Dichloroethane	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.51 U
1,1-Dichloroethene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.97 U
1,2,4-Trichlorobenzene	ug/L	2 U	20 U	2 U	20 U	0.6 U	15 R		0.8 U
1,2,4-Trimethylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.42 U
1,2-Dichlorobenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.31 U
1,2-Dichloroethane	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.48 U
1,2-Dichloropropane	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.58 U
1,3,5-Trimethylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.49 U
1,4-Dichlorobenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.24 U
2-Butanone	ug/L	2 U	20 U	2 U	20 U	10 U	250 R	1 U	1 U
4-Chlorotoluene	ug/L	2 U	20 U	2 U	20 U	0.6 U	15 R		0.33 U
Acetone	ug/L	2 U	20 U	2 U	20 U	10 U	250 R	1 U	1 U
Benzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.34 U
Bromodichloromethane	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.52 U
Bromomethane	ug/L	2 U	20 U	2 U	20 U	1 U	25 R		0.62 U
Carbon disulfide	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		
Carbon tetrachloride	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.42 U
Chlorobenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.36 U
Chloroethane	ug/L	2 U	20 U	2 U	20 U	1 U	25 R	1 U	0.56 U
Chloroform	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.45 U
cis-1,2-Dichloroethene	ug/L	**14.2**	**14 J**	**12.6**	**35.3**	**28**	12 R	1 U	0.51 U
Ethylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.38 U
Isopropylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.5 U
Methylene chloride	ug/L	2 U	20 U	2 U	20 U	2 U	50 R	2 U	0.42 U
m-Xylene and p-Xylene	ug/L	2 U	20 U	2 U	20 U				0.39 U
Naphthalene	ug/L	2 U	20 U	2 U	20 U	2 U	50 R		0.7 U
n-Butylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.93 U
n-Propylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.45 U
o-Xylene	ug/L	2 U	20 U	2 U	20 U				0.5 U
p-Isopropyltoluene	ug/L	2 U	20 U	2 U	20 U	0.6 U	15 R		0.29 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M38-W0504 04/29/04	99M38-W0504-DL 04/29/04	99M38-W0504-QC 04/29/04	99M38-W0504-QC-DL 04/29/04	99M38-W0603 06/25/03	99M38-W0603-DL 06/25/03	99M39 01/01/00	99M39 09/21/99
Volatile Organic Compounds (continued)	**Units**								
sec-Butylbenzene	ug/L	2 U	20 U	2 U	20 U	0.6 U	15 R		0.62 U
tert-Butylbenzene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		0.61 U
Tetrachloroethene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.58 U
Toluene	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R	1 U	0.77 U
trans-1,2-Dichloroethene	ug/L	**2.53**	**3.44 J**	**2.07**	**2.39 J**	**4.6**	12 R	1 U	0.37 U
Trichloroethene	ug/L	**117 E**	**97.1**	**101 E**	**73.8**	0.5 R	**190**	1 U	0.58 U
Trichlorofluoromethane	ug/L	2 U	20 U	2 U	20 U	0.5 U	12 R		
Vinyl chloride	ug/L	2 U	20 U	2 U	20 U	0.8 U	20 R	1 U	0.61 U
Xylenes (total)	ug/L					3 U	75 R	1 U	

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M39-W0504 04/28/04	99M39-W0603 06/30/03	99M40 01/01/00	99M40 09/22/99	99M40-W0504 04/27/04	99M40-W0603 06/24/03
Volatile Organic Compounds	**Units**						
1,1,1-Trichloroethane	ug/L	2 U	0.5 U	1 U	0.4 U	2 U	0.5 U
1,1,2-Trichloroethane	ug/L	2 U	0.7 U	1 U	0.42 U	2 U	0.7 U
1,1-Dichloroethane	ug/L	2 U	0.5 U		0.51 U	2 U	0.5 U
1,1-Dichloroethene	ug/L	2 U	0.5 U	1 U	0.97 U	2 U	0.5 U
1,2,4-Trichlorobenzene	ug/L	2 U	0.6 U		0.8 U	2 U	0.6 U
1,2,4-Trimethylbenzene	ug/L	2 U	0.5 U		0.42 U	2 U	0.5 U
1,2-Dichlorobenzene	ug/L	2 U	0.5 U		0.31 U	2 U	0.5 U
1,2-Dichloroethane	ug/L	2 U	0.5 U		0.48 U	2 U	0.5 U
1,2-Dichloropropane	ug/L	2 U	0.5 U	1 U	0.58 U	2 U	0.5 U
1,3,5-Trimethylbenzene	ug/L	2 U	0.5 U		0.49 U	2 U	0.5 U
1,4-Dichlorobenzene	ug/L	2 U	0.5 U		0.24 U	2 U	0.5 U
2-Butanone	ug/L	2 U	10 U	1 U	1 U	2 U	10 U
4-Chlorotoluene	ug/L	2 U	0.6 U		0.33 U	2 U	0.6 U
Acetone	ug/L	2 U	10 U	1 U	1 U	2 U	10 U
Benzene	ug/L	2 U	0.5 U	1 U	0.34 U	2 U	0.5 U
Bromodichloromethane	ug/L	2 U	0.5 U		0.52 U	2 U	0.5 U
Bromomethane	ug/L	2 U	1 U		0.62 U	2 U	1 U
Carbon disulfide	ug/L	2 U	0.5 U			2 U	0.5 U
Carbon tetrachloride	ug/L	2 U	0.5 U	1 U	0.42 U	2 U	0.5 U
Chlorobenzene	ug/L	2 U	0.5 U	1 U	0.36 U	2 U	0.5 U
Chloroethane	ug/L	2 U	1 U	1 U	0.56 U	2 U	1 U
Chloroform	ug/L	2 U	0.5 U	1 U	0.45 U	2 U	0.5 U
cis-1,2-Dichloroethene	ug/L	2 U	0.5 U	1 U	0.51 U	2 U	0.5 U
Ethylbenzene	ug/L	2 U	0.5 U	1 U	0.38 U	2 U	0.5 U
Isopropylbenzene	ug/L	2 U	0.5 U		0.5 U	2 U	0.5 U
Methylene chloride	ug/L	2 U	2 U	2 U	**1.77 J**	2 U	2 U
m-Xylene and p-Xylene	ug/L	2 U			0.39 U	2 U	
Naphthalene	ug/L	2 U	2 U		0.7 U	2 U	2 U
n-Butylbenzene	ug/L	2 U	0.5 U		0.93 U	2 U	0.5 U
n-Propylbenzene	ug/L	2 U	0.5 U		0.45 U	2 U	0.5 U
o-Xylene	ug/L	2 U			0.5 U	2 U	
p-Isopropyltoluene	ug/L	2 U	0.6 U		0.29 U	2 U	0.6 U

Table 6-9
VOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M39-W0504 04/28/04	99M39-W0603 06/30/03	99M40 01/01/00	99M40 09/22/99	99M40-W0504 04/27/04	99M40-W0603 06/24/03
Volatile Organic Compounds (continued)	**Units**						
sec-Butylbenzene	ug/L	2 U	0.6 U		0.62 U	2 U	0.6 U
tert-Butylbenzene	ug/L	2 U	0.5 U		0.61 U	2 U	0.5 U
Tetrachloroethene	ug/L	2 U	0.5 U	1 U	0.58 U	2 U	0.5 U
Toluene	ug/L	2 U	0.5 U	1 U	0.77 U	2 U	0.5 U
trans-1,2-Dichloroethene	ug/L	2 U	0.5 U	1 U	0.37 U	2 U	0.5 U
Trichloroethene	ug/L	**0.23 J**	**3.8 J**	1 U	0.58 U	2 U	0.5 U
Trichlorofluoromethane	ug/L	2 U	0.5 U			2 U	0.5 U
Vinyl chloride	ug/L	2 U	0.8 U	1 U	0.61 U	2 U	0.8 U
Xylenes (total)	ug/L		3 U	1 U			3 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
F - Detected in associated rinsate blank
T - Detected in associated trip blank
E - Exceeded calibration range

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	02M45 01/27/97	02M45 09/21/99	02M46 01/28/97	02M46 09/15/99	99M02 02/06/97	99M03 01/30/97	99M04 01/30/97	99M07 01/29/97
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	10 U	0.27 U	10 U	0.27 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	0.25 U	10 U	0.25 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U		10 U		10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	0.38 U	10 U	0.38 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U		10 U		10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	2.88 U	10 U	2.85 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	0.27 U	10 U	0.27 U	10 U	10 U	10 U	10 U
4-Nitrophenol	ug/L	50 U	0.89 U	50 U	0.88 U	50 U	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	0.20 U	10 U	0.20 U	10 U	10 U	10 U	10 U
Benzoic Acid	ug/L	50 U		50 U		50 U	50 U	50 U	50 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	1.02 U	10 U	1.01 U	**13 B**	10 U	**1 J**	10 U
Diethyl phthalate	ug/L	10 U	0.45 U	10 U	0.45 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	0.24 U	10 U	0.24 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	2.07 U	10 U	2.04 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	0.26 U	10 U	0.26 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	**1 J**	0.36 U	10 U	0.36 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	0.40 U	10 U	0.39 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	0.99 U	50 U	0.98 U	50 U	50 U	50 U	50 U
Phenol	ug/L	10 U	0.13 U	10 U	0.13 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	0.44 U	10 U	0.43 U	10 U	10 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M08 01/31/97	99M09 01/31/97	99M09-W0603 06/28/03	99M09-W0703 07/01/03	99M10 01/28/97	99M11 01/28/97	99M12 01/29/97	99M13 02/07/97
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	10 U	10 U			**2 J**	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U			10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U			**2 J**	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	19 U		10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	19 U		**4 J**	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	19 U		10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	19 U		**3 J**	10 U	10 U	10 U
4-Nitrophenol	ug/L	50 U	50 U	19 U		**1 J**	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	10 U		1.9 U	**2 J**	10 U	10 U	10 U
Benzoic Acid	ug/L	50 U	50 U			50 U	50 U	50 U	50 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	19 U		10 U	10 U	**1 J**	10 U
Diethyl phthalate	ug/L	10 U	10 U	19 U		10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	19 U		10 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	19 U		10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U		1.9 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	19 U		10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U			10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	50 U	19 U		**5 J**	50 U	50 U	50 U
Phenol	ug/L	10 U	10 U	19 U		**3 J**	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U		0.19 U	**3 J**	10 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M13 09/15/99	99M13-W0603 06/30/03	99M13-W0703 07/01/03	99M14 01/27/97	99M14 09/15/99	99M15 01/27/97	99M17 01/24/97	99M18 02/05/97
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	0.26 U			10 U	0.27 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	0.23 U			10 U	0.25 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L				10 U		10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	0.36 U	19 U		10 U	0.38 U	10 U	10 U	10 U
2-Chlorophenol	ug/L		19 U		10 U		10 U	10 U	10 U
2-Methylnaphthalene	ug/L	2.68 U	19 U		10 U	2.85 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	0.26 U	19 U		10 U	0.27 U	10 U	10 U	10 U
4-Nitrophenol	ug/L	0.83 U	19 U		50 U	0.88 U	50 U	50 U	50 U
Acenaphthene	ug/L	0.18 U		1.9 U	10 U	0.20 U	10 U	10 U	10 U
Benzoic Acid	ug/L				50 U		50 U	50 U	50 U
bis(2-Ethylhexyl)phthalate	ug/L	0.95 U	**17 J**		10 U	1.01 U	10 U	10 U	10 U
Diethyl phthalate	ug/L	0.42 U	19 U		10 U	0.45 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	0.22 U	19 U		10 U	0.24 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	1.92 U	19 U		10 U	2.04 U	10 U	10 U	10 U
Naphthalene	ug/L	0.24 U		1.9 U	10 U	0.26 U	10 U	10 U	10 U
Nitrobenzene	ug/L	0.34 U	19 U		**2 J**	0.36 U	**1 J**	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	0.37 U			10 U	0.39 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	0.92 U	19 U		50 U	0.98 U	50 U	50 U	50 U
Phenol	ug/L	0.12 U	19 U		10 U	0.13 U	10 U	10 U	10 U
Pyrene	ug/L	0.41 U		0.19 U	10 U	0.43 U	10 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M19 01/24/97	99M19 09/16/99	99M19-W0603 06/25/03	99M20 02/06/97	99M21 02/11/97	99M22 09/04/97	99M23 09/03/97	99M24 08/27/97
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	10 U	0.24 U		10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	0.22 U		10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U			10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	0.33 U	19 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U		19 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	2.50 U	19 U	10 U	**1 J**	10 U	10 U	**1 J**
4-Chloro-3-methylphenol	ug/L	10 U	0.24 U	19 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	ug/L	50 U	0.77 U	19 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	0.17 U	1.9 U	10 U	10 U	10 U	10 U	10 U
Benzoic Acid	ug/L	50 U			50 U	50 U	50 U	50 U	50 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	0.89 U	19 U	10 U	10 U	**5 J**	4 JBU*	5 JBU*
Diethyl phthalate	ug/L	10 U	0.39 U	19 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	0.21 U	19 U	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	10 U	1.79 U	19 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	0.23 U	1.9 U	10 U	10 U	10 U	10 U	**2 JF**
Nitrobenzene	ug/L	10 U	0.31 U	19 U	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	0.34 U		10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	50 U	0.86 U	19 U	50 U	50 U	50 U	50 U	50 U
Phenol	ug/L	10 U	0.11 U	19 U	10 U	10 U	10 U	10 U	**1 J**
Pyrene	ug/L	10 U	0.38 U	0.19 U	10 U	10 U	10 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M24 09/13/99	99M24-W0603 06/25/03	99M24-W0603-D 06/25/03	99M25 08/28/97	99M26 08/29/97	99M26 09/10/99	99M27 08/26/97	99M27 09/22/99
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	0.33 U			10 U	10 U	0.24 U	10 U	0.24 U
1,2-Dichlorobenzene	ug/L	0.30 U			10 U	10 U	0.22 U	**1 J**	0.22 U
1,4-Dichlorobenzene	ug/L				10 U	10 U		10 U	
2,4-Dinitrotoluene	ug/L	0.46 U	19 U	19 U	10 U	10 U	0.33 U	10 U	0.33 U
2-Chlorophenol	ug/L		19 U	19 U	10 U	10 U		10 U	
2-Methylnaphthalene	ug/L	3.45 U	19 U	19 U	10 U	10 U	2.50 U	10 U	2.50 U
4-Chloro-3-methylphenol	ug/L	0.33 U	19 U	19 U	10 U	10 U	0.24 U	10 U	0.24 U
4-Nitrophenol	ug/L	1.07 U	19 U	19 U	50 U	50 U	0.77 U	50 U	0.77 U
Acenaphthene	ug/L	0.24 U	1.9 U	1.9 U	10 U	10 U	0.17 U	10 U	0.17 U
Benzoic Acid	ug/L				50 U	50 U		**8 J**	
bis(2-Ethylhexyl)phthalate	ug/L	1.22 U	19 U	19 U	10 U	5 JBU*	0.89	**4 J**	0.89 U
Diethyl phthalate	ug/L	0.54 U	19 U	19 U	10 U	10 U	0.39 U	10 U	0.39 U
Di-n-butylphthalate	ug/L	0.29 U	19 U	19 U	10 U	**1 J**	0.21 U	10 U	0.21 U
Di-n-octylphthalate	ug/L	2.47 U	19 U	19 U	10 U	10 U	1.79 U	10 U	1.79 U
Naphthalene	ug/L	**1.85 J**	1.9 U	1.9 U	10 U	10 U	0.23 U	10 U	0.23 U
Nitrobenzene	ug/L	0.43 U	19 U	19 U	10 U	10 U	0.31 U	10 U	0.31 U
N-Nitroso-di-n-propylamine	ug/L	0.47 U			10 U	10 U	0.34 U	10 U	0.34 U
Pentachlorophenol	ug/L	1.18 U	19 U	19 U	50 U	50 U	0.86 U	50 U	0.86 U
Phenol	ug/L	0.16 U	19 U	19 U	1 JBU*	10 U	0.11 U	10 U	0.11 U
Pyrene	ug/L	0.53 U	0.19 U	0.19 U	10 U	10 U	0.38 U	10 U	0.38 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M28 09/05/97	99M28 09/23/99	99M29 09/02/97	99M29 09/22/99	99M30 09/02/97	99M30 09/21/99	99M31 09/09/97	99M32 08/27/97
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	10 U	0.24 U	10 U	0.26 U	10 U	0.26 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	0.22 U	10 U	0.24 U	10 U	0.24 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	10 U		10 U		10 U		10 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	0.33 U	10 U	0.36 U	10 U	0.36 U	10 U	10 U
2-Chlorophenol	ug/L	10 U		10 U		10 U		10 U	10 U
2-Methylnaphthalene	ug/L	10 U	2.50 U	10 U	2.70 U	10 U	2.70 U	10 U	**4 J**
4-Chloro-3-methylphenol	ug/L	10 U	0.24 U	10 U	0.26 U	10 U	0.26 U	10 U	10 U
4-Nitrophenol	ug/L	50 R	0.77 U	50 U	0.84 U	50 U	0.84 U	50 U	50 U
Acenaphthene	ug/L	10 U	0.17 U	10 U	0.19 U	10 U	0.19 U	10 U	10 U
Benzoic Acid	ug/L	50 U		50 U		50 U		50 U	50 U
bis(2-Ethylhexyl)phthalate	ug/L	3 JBU*	0.89 U	10 U	0.96 U	**3 JB**	0.96 U	**1 JB**	10 JBU*
Diethyl phthalate	ug/L	10 U	0.39 U	10 U	0.42 U	10 U	0.42 U	10 U	**2 JF**
Di-n-butylphthalate	ug/L	10 U	0.21 U	10 U	0.23 U	10 U	0.23 U	10 U	2 JBU*
Di-n-octylphthalate	ug/L	10 U	1.79 U	10 U	1.93 U	10 U	1.94 U	10 U	10 U
Naphthalene	ug/L	10 U	0.23 U	10 U	0.25 U	10 U	0.25 U	10 U	**71 F**
Nitrobenzene	ug/L	10 U	0.31 U	10 U	0.34 U	10 U	0.34 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	0.34 U	10 U	0.37 U	10 U	0.37 U	10 U	10 U
Pentachlorophenol	ug/L	50 R	0.86 U	50 U	0.93 U	50 U	0.93 U	50 U	**2 J**
Phenol	ug/L	**2 J**	0.11 U	10 U	0.12 U	10 U	0.12 U	10 U	**2 J**
Pyrene	ug/L	10 U	0.38 U	10 U	0.41 U	10 U	0.41 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M32 09/16/99	99M32-W0603 06/29/03	99M32-W0703 07/01/03	99M33 09/04/97	99M33-W0603 06/28/03	99M33-W0703 07/01/03	99M34 09/09/97	99M34 09/17/99
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L	0.27 U			10 U			10 U	5253 U
1,2-Dichlorobenzene	ug/L	0.25 U			10 U			10 U	3232 U
1,4-Dichlorobenzene	ug/L				10 U			10 U	
2,4-Dinitrotoluene	ug/L	0.38 U	19 U		10 U	19 U		10 U	5354 U
2-Chlorophenol	ug/L		19 U		10 U	19 U		10 U	
2-Methylnaphthalene	ug/L	2.82 U	19 U		10 U	19 U		10 U	2.65 U
4-Chloro-3-methylphenol	ug/L	0.27 U	19 U		10 U	19 U		10 U	5253 U
4-Nitrophenol	ug/L	0.87 U	19 U		50 U	19 U		50 U	1818 U
Acenaphthene	ug/L	0.19 U		1.9 U	10 U		1.9 U	10 U	8182 U
Benzoic Acid	ug/L				50 U			50 U	
bis(2-Ethylhexyl)phthalate	ug/L	1 U	19 U		**3 J**	19 U		1 JBU*	0.94 U
Diethyl phthalate	ug/L	0.44 U	19 U		10 U	19 U		10 U	1414 U
Di-n-butylphthalate	ug/L	0.24 U	19 U		10 U	19 U		10 U	2222 U
Di-n-octylphthalate	ug/L	2.02 U	19 U		10 U	19 U		10 U	**2.58 J**
Naphthalene	ug/L	0.26 U		1.9 U	10 U		1.9 U	10 U	4242 U
Nitrobenzene	ug/L	0.35 U	19 U		10 U	19 U		10 U	3333 U
N-Nitroso-di-n-propylamine	ug/L	0.39 U			10 U			10 U	6364 U
Pentachlorophenol	ug/L	0.97 U	19 U		50 U	19 U		50 U	0909 U
Phenol	ug/L	0.13 U	19 U		10 U	19 U		10 U	2121 U
Pyrene	ug/L	0.43 U		0.19 U	10 U		0.19 U	10 U	0404 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M34-W0603 06/26/03	99M35 09/03/97	99M35 09/17/99	99M36 09/09/97	99M37 08/26/97	99M38 09/05/97	99M38 09/16/99	99M39 09/21/99
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/L		10 U	0.25 U	10 U	10 U	10 U	0.26 U	0.26 U
1,2-Dichlorobenzene	ug/L		10 U	0.23 U	10 U	10 U	10 U	0.24 U	0.24 U
1,4-Dichlorobenzene	ug/L		10 U		10 U	10 U	10 U		
2,4-Dinitrotoluene	ug/L	19 U	10 U	0.35 U	10 U	10 U	10 U	0.37 U	0.37 U
2-Chlorophenol	ug/L	19 U	10 U		10 U	10 U	10 U		
2-Methylnaphthalene	ug/L	19 U	10 U	2.65 U	**2 J**	10 U	10 U	2.76 U	2.76 U
4-Chloro-3-methylphenol	ug/L	19 U	10 U	0.25 U	10 U	10 U	10 U	0.26 U	0.26 U
4-Nitrophenol	ug/L	19 U	50 U	0.81 U	**4 J**	50 U	50 R	0.85 U	0.85 U
Acenaphthene	ug/L	1.9 U	10 U	0.18 U	10 U	10 U	10 U	0.19 U	0.19 U
Benzoic Acid	ug/L		50 U		50 U	50 U	50 U		
bis(2-Ethylhexyl)phthalate	ug/L	19 U	**3 JB**	0.94 U	1 JBU*	**2 J**	2 JBU*	0.98 U	0.98 U
Diethyl phthalate	ug/L	19 U	10 U	0.41 U	10 U	10 U	10 U	0.43 U	0.43 U
Di-n-butylphthalate	ug/L	19 U	10 U	0.22 U	10 U	10 U	1 JBU*	0.23 U	0.23 U
Di-n-octylphthalate	ug/L	19 U	10 U	**118.51**	10 U	10 U	10 U	1.98 U	1.98 U
Naphthalene	ug/L	1.9 U	10 U	0.24 U	**7 JF**	10 U	10 U	0.25 U	0.25 U
Nitrobenzene	ug/L	19 U	10 U	0.33 U	10 U	10 U	10 U	0.35 U	0.35 U
N-Nitroso-di-n-propylamine	ug/L		10 U	0.36 U	10 U	10 U	10 U	0.38 U	0.38 U
Pentachlorophenol	ug/L	19 U	50 U	0.91 U	50 U	50 U	50 R	0.95 U	0.95 U
Phenol	ug/L	19 U	10 U	0.12 U	10 U	10 U	10 U	0.13 U	0.13 U
Pyrene	ug/L	0.19 U	10 U	0.40 U	10 U	10 U	10 U	0.42 U	0.42 U

Notes:
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U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
SVOC Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M40 09/22/99
Semivolatile Organic Compounds	**Units**	
1,2,4-Trichlorobenzene	ug/L	0.24 U
1,2-Dichlorobenzene	ug/L	0.22 U
1,4-Dichlorobenzene	ug/L	
2,4-Dinitrotoluene	ug/L	0.33 U
2-Chlorophenol	ug/L	
2-Methylnaphthalene	ug/L	2.50 U
4-Chloro-3-methylphenol	ug/L	0.24 U
4-Nitrophenol	ug/L	0.77 U
Acenaphthene	ug/L	0.17 U
Benzoic Acid	ug/L	
bis(2-Ethylhexyl)phthalate	ug/L	0.89 U
Diethyl phthalate	ug/L	0.39 U
Di-n-butylphthalate	ug/L	0.21 U
Di-n-octylphthalate	ug/L	1.79 U
Naphthalene	ug/L	0.23 U
Nitrobenzene	ug/L	0.31 U
N-Nitroso-di-n-propylamine	ug/L	0.34 U
Pentachlorophenol	ug/L	0.86 U
Phenol	ug/L	0.11 U
Pyrene	ug/L	0.38 U

Notes:
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U - Qualified as undetected
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B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Date:	02M45 01/27/97	02M45 09/21/99	02M46 01/28/97	02M46 09/15/99	99M02 02/06/97	99M03 01/30/97	99M04 01/30/97
Inorganics								
Aluminum	ug/L	**2100**	**1880**	**790**	**1820**	23 U	**254**	**769**
Antimony	ug/L	3.8 BU*		1.7 U		1.7 U	1.7 U	1.7 U
Arsenic	ug/L	1.6 U	3 U	1.6 U	**4 J**	1.6 U	1.6 U	1.6 U
Barium	ug/L	**116**	**64**	**90.1**	**52**	**91.2**	**118**	**114**
Beryllium	ug/l		5 U		5 U			
Cadmium	ug/L	2.2 U	5 U	2.2 U	5 U	2.2 U	2.2 U	2.2 U
Calcium	ug/L	**139000**	**182000**	**152000**	**185000**	**42300**	**85800**	**85800**
Chromium	ug/L	2.2 U	10 U	**2.3 B**	10 U	2.2 U	2.2 U	2.2 U
Cobalt	ug/L	5.2 U	25 U	5.2 U	25 U	5.2 U	5.2 U	5.2 U
Copper	ug/L	**2.2 B**	15 U	**2.4 B**	15 U	4.9 BU*	**8.9 B**	**4.6 B**
Iron	ug/L	**1710 F**	**2560**	**1660 F**	**2260**	**24.9 B**	**315**	**820**
Lead	ug/L	**3.5**	3 U	**3.5**	3 U	**1.4 B**	**2.4 B**	**3.4**
Magnesium	ug/L	**27500**	**32800**	**35200**	**389000**	**12200**	**22600**	**33100**
Manganese	ug/L	**55.3**	**92**	**40.3**	**63**	**176**	**1260**	**36.2**
Mercury	ug/L	0.1 U	1 U	0.1 U	1 U	0.1 U	0.1 U	0.1 U
Nickel	ug/L	**7.3 BF**	**20 J**	5.3 U	20 U	5.3 U	5.3 U	5.3 U
Potassium	ug/L	**2070 B**	2000 U	**2250 B**	2000 U	**2400 B**	**2250 B**	**2170 B**
Selenium	ug/L	2 U	1 U	2 U	1 U	2 U	2 U	2 U
Sodium	ug/L	**148000 F**	**185000**	**112000 F**	**135000**	**30400**	**126000**	**118000**
Thallium	ug/L	0.9 U	2 U	**1.2 B**	2 U	0.9 U	0.9 U	0.9 U
Vanadium	ug/L	**4.6 B**	15 U	3.4 U	15 U	3.4 U	3.4 U	3.4 U
Zinc	ug/L	11.9 BU*	10 U	17.4 BU*	**11 J**	6.9 U	**9.9 B**	**9.3 B**

Notes:
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J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Date:	99M07 01/29/97	99M08 01/30/97	99M09 01/31/97	99M09-W0603 06/28/03	99M10 01/28/97	99M11 01/28/97	99M12 01/29/97
Inorganics								
Aluminum	ug/L	**338**	**6480**	**1130**		**670**	**634**	**721**
Antimony	ug/L	1.7 U	1.7 U	1.7 U	5 U	1.7 U	4.8 BU*	1.7 U
Arsenic	ug/L	1.6 U	1.6 U	1.6 U	10 U	**1.8 B**	1.6 U	1.6 U
Barium	ug/L	**159**	**155**	**225**	**98.2**	**143**	**188**	**130**
Beryllium	ug/l							
Cadmium	ug/L	**2.2 B**	2.2 U	2.2 U	5 U	2.2 U	2.2 U	2.2 U
Calcium	ug/L	**145000**	**70200**	**182000**		**122000**	**128000**	**72200**
Chromium	ug/L	2.2 U	**6.8 B**	2.2 U	20 U	2.2 U	2.2 U	**3.2 B**
Cobalt	ug/L	5.2 U	5.2 U	5.2 U		5.2 U	5.2 U	5.2 U
Copper	ug/L	**3.8 B**	**3.6 B**	5.6 BU*	10 U	**2.4 B**	**2.2 B**	**2.4 B**
Iron	ug/L	**313**	**6110**	**961**		**791**	**544**	**758**
Lead	ug/L	**1.6 B**	**15**	1.3 U	10 U	**1.8 B**	**2 B**	**2.3 B**
Magnesium	ug/L	**41800**	**28100**	**51700**		**34900**	**31200**	**19300**
Manganese	ug/L	**9**	**352**	**134**		**37.8**	**29.1**	**44.9**
Mercury	ug/L	0.1 U	0.1 U	**0.16 B**	0.5 U	0.1 U	0.1 U	0.1 U
Nickel	ug/L	**9.3 B**	**54.8**	**52**	**51.2**	5.3 U	5.3 U	**9.3 B**
Potassium	ug/L	**2300 B**	**2770 B**	**4070 B**		**2220 B**	**2740 B**	**4750 B**
Selenium	ug/L	2 U	2 U	2 U	10 U	2 U	**8.1**	2 U
Sodium	ug/L	**195000**	**73200**	**195000**		**154000**	**152000**	**122000**
Thallium	ug/L	0.9 U	0.9 U	4.5 U	10 U	0.9 U	0.9 U	**1 B**
Vanadium	ug/L	**3.9 B**	**10.9 B**	**4 B**		3.4 U	3.4 U	**3.5 B**
Zinc	ug/L	13.6 BU*	**16.7 B**	6.9 U	20 U	16.4 BU*	14.9 BU*	6.9 U

Notes:
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J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Date:	99M13 02/07/97	99M13 09/15/99	99M13-W0603 06/30/03	99M14 01/27/97	99M14 09/15/99	99M15 01/27/97	99M17 01/24/97
Inorganics								
Aluminum	ug/L	**1170**	**8080**		**471**	**3270**	**4190**	**109 BJ***
Antimony	ug/L	1.7 U	60 U	5 U	5.2 U*	60 U	4.9 BU*	1.7 U
Arsenic	ug/L	1.6 U	**11**	10 U	1.6 U	**3 J**	**3.7 B**	1.6 U
Barium	ug/L	**53.3**	**81**	**44.2**	**130**	**197**	**139**	**149 J***
Beryllium	ug/l		5 U			5 U		
Cadmium	ug/L	2.2 U	5 U	5 U	2.2 U	5 U	2.2 U	2.2 U
Calcium	ug/L	**168000**	**198000**		**188000**	**190000**	**181000**	**158000**
Chromium	ug/L	**7.2 B**	**14 J**	20 U	2.2 U	10 U	**5.3 B**	2.2 U
Cobalt	ug/L	5.2 U	25 U		5.2 U	25 U	5.2 U	5.2 U
Copper	ug/L	1.4 U	15 U	10 U	**1.8 B**	15 U	**4.4 B**	1.4 U
Iron	ug/L	**874**	**7740**		**714**	**4410**	**3720**	**159 J***
Lead	ug/L	**1.9 B**	**16**	10 U	**2.4 B**	**6 J**	**5.1**	6.5 R
Magnesium	ug/L	**46100**	**53400**		**59200**	**52500**	**48000**	**40200 J***
Manganese	ug/L	**28**	**206**		**41.8**	**227**	**195**	**7.6 BJ***
Mercury	ug/L	0.1 U	1 U	0.5 U	0.1 U	1 U	0.1 U	0.1 U
Nickel	ug/L	5.3 U	20 U	20 U	5.3 U	20 U	**6.9 B**	**6.7 B**
Potassium	ug/L	**3930 B**	2000 U		**5260**	**6000**	**2570 B**	**5850**
Selenium	ug/L	2 U	**11**	10 U	2 U	**3 J**	2 U	10 R
Sodium	ug/L	**160000**	**181000**		**153000**	**141000**	**221000**	**151000 J***
Thallium	ug/L	0.9 U	10 U	**5.03 J**	**1.2 B**	2 U	0.9 U	4.5 UJ*
Vanadium	ug/L	**4.4 B**	15 U		3.4 U	15 U	**8 B**	3.4 U
Zinc	ug/L	6.9 U	**19 J**	**5.16 J**	11.6 BU*	**15 J**	14.3 BU*	6.9 U

Notes:
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B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Date:	99M18 02/05/97	99M19 01/24/97	99M19 09/16/99	99M19-W0603 06/25/03	99M20 02/06/97	99M21 02/11/97	99M22 09/04/97
Inorganics								
Aluminum	ug/L	**773**	**418 J***	**5680**		**189**	**177**	**764**
Antimony	ug/L	**2 B**	1.7 U	60 U	5 U	1.7 U	**2.1 B**	1.4 U
Arsenic	ug/L	1.6 U	1.6 U	3 U	10 U	1.6 U	**1.8 B**	1.8 U
Barium	ug/L	**75.1**	**212 J***	**256**	**126**	**131**	**138**	**107 F**
Beryllium	ug/l			5 U				
Cadmium	ug/L	2.2 U	2.2 U	5 U	5 U	2.2 U	2.2 U	**0.57 B**
Calcium	ug/L	**197000**	**212000**	**275000**		**193000**	**160000**	**115000 F**
Chromium	ug/L	2.2 U	2.2 U	**13 J**	20 U	2.2 U	2.2 U	**1.8 B**
Cobalt	ug/L	5.2 U	5.2 U	25 U		5.2 U	5.2 U	**1.8 B**
Copper	ug/L	**9.3 B**	**1.8 B**	15 U	10 U	**17**	3.7 BU*	**1.9 B**
Iron	ug/L	**882**	**428 J***	**6400**		**183**	**160**	**726 J***
Lead	ug/L	1.3 U	6.5 R	**7 J**	10 U	1.3 U	**2.6 B**	1.5 UJ*
Magnesium	ug/L	**46400**	**61500 J***	**72100**		**42700**	**31700**	**27100 F**
Manganese	ug/L	**25.1**	**21.3 J***	**830**		**25**	**861**	**118 F**
Mercury	ug/L	0.1 U	0.1 U	1 U	0.5 U	0.1 U	0.1 U	0.1 U
Nickel	ug/L	5.3 U	5.3 U	**23 J**	**14.7 J**	**5.8 B**	**8.3 B**	**14.9**
Potassium	ug/L	**2320 B**	1600 U	**3700 J**		**2570 B**	**2030 B**	**2620**
Selenium	ug/L	2 U	10 R	1 U	10 U	2 U	2 U	2.2 UJ*
Sodium	ug/L	**178000**	**99100 J***	**125000**		**166000**	**171000**	**144000**
Thallium	ug/L	**1.6 B**	4.5 UJ*	2 U	**5.03 J**	**1.7 B**	**1.2 B**	8.5 UJ*
Vanadium	ug/L	**3.8 B**	3.4 U	15 U		3.4 U	3.4 U	**3.6 B**
Zinc	ug/L	**7.6 B**	6.9 U	**22**	20 U	6.9 U	6.9 U	5.8 U

Notes:
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J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M23 09/03/97	99M24 08/27/97	99M24 09/13/99	99M24-W0603 06/25/03	99M24-W0603-D 06/25/03	99M25 08/28/97	99M26 08/29/97
Inorganics								
Aluminum	ug/L	**2140**	**625 J***	**13200**			**284 J***	**1240 J***
Antimony	ug/L	**1.4 BF**	**3 BFJ***	60 U	5 U	5 U	**1.4 BFJ***	1.4 U
Arsenic	ug/L	1.8 U	**2 B**	3 U	10 U	10 U	1.8 U	1.8 U
Barium	ug/L	**240 F**	**46.2 F**	**193**	**84**	**117**	**110 F**	**60.5 F**
Beryllium	ug/l			5 U				
Cadmium	ug/L	0.3 U	0.3 U	5 U	5 U	5 U	0.3 U	0.3 U
Calcium	ug/L	**142000 F**	**135000 F**	**178000**			**139000 F**	**152000 F**
Chromium	ug/L	**2.6 B**	1 U	**14 J**	20 U	20 U	1 U	**1.6 B**
Cobalt	ug/L	**9.5**	0.8 U	25 U			0.8 U	0.8 U
Copper	ug/L	**3.3 B**	1.4 U	15 U	10 U	10 U	1.4 U	1.4 U
Iron	ug/L	**2340 J***	**463 EJ***	**16000**			**247 EJ***	**1210 EJ***
Lead	ug/L	1.5 UJ*	1.5 U	**6 J**	10 U	10 U	1.5 U	1.5 U
Magnesium	ug/L	**32700**	**33600**	**44200**			**32800**	**40000**
Manganese	ug/L	**1870 F**	**122 F**	**2300**			**34.8 F**	**136 F**
Mercury	ug/L	0.1 U	**0.15 BFJ***	1 U	0.5 U	0.5 U	**0.12 BFJ***	**0.22 FJ***
Nickel	ug/L	**14.5**	**2.5 B**	**21 J**	20 U	**12.8 J**	**1.8 B**	**2.8 B**
Potassium	ug/L	**5570**	**2860 B**	**8000**			**2300 B**	**3070 B**
Selenium	ug/L	**2.4 BJ***	4.4 U	1 U	10 U	10 U	2.2 U	**7.1**
Sodium	ug/L	**102000**	**137000**	166000 U			**141000**	**154000**
Thallium	ug/L	8.5 UJ*	8.5 UEJ*	2 U	10 U	10 U	8.5 UEJ*	8.5 UEJ*
Vanadium	ug/L	**5.2 B**	**1.3 B**	15 U			**2.2 B**	**2.7 B**
Zinc	ug/L	**11.1 B**	**9.5 B**	**76**	20 U	20 U	5.8 U	**8.5 B**

Notes:
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B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M26 09/10/99	99M27 08/26/97	99M27 09/22/99	99M28 09/05/97	99M28 09/23/99	99M29 09/02/97	99M29 09/22/99
Inorganics								
Aluminum	ug/L	**1040**	**187 J***	**1430**	**165**	200 U	**245**	**390 J**
Antimony	ug/L	60 U	**1.5 BFJ***	60 U	1.4 U	60 U	1.4 U	60 U
Arsenic	ug/L	3 U	1.8 U	3 U	1.8 U	**3 J**	1.8 U	3 U
Barium	ug/L	**46**	**76.3 F**	**77**	**152 F**	**126**	**105 F**	**118**
Beryllium	ug/l	5 U		5 U		5 U		5 U
Cadmium	ug/L	**5**	0.3 U	5 U	0.3 U	5 U	0.3 U	5 U
Calcium	ug/L	175000 U	**118000 F**	137000 U	**151000 F**	**173000**	**112000 F**	**145000**
Chromium	ug/L	10 U	**1.9 B**	**10**	**2 B**	10 U	1 U	10 U
Cobalt	ug/L	25 U	**1.4 B**	25 U	0.8 U	25 U	0.8 U	25 U
Copper	ug/L	15 U	**3 B**	**2460**	1.4 U	15 U	1.4 U	15 U
Iron	ug/L	**1740**	**1000 EJ***	100 U	**167 J***	**670**	**229 J***	**950**
Lead	ug/L	3 U	1.5 U	3 U	1.5 UJ*	3 U	1.5 UJ*	3 U
Magnesium	ug/L	**43600**	**32200**	**36400**	**33600**	**33400**	**20700**	**24600**
Manganese	ug/L	**120**	**569 F**	**497**	**17.8 F**	**98**	**114 F**	**196**
Mercury	ug/L	1 U	**0.64 FJ***	1 U	0.1 U	1 U	0.1 U	1 U
Nickel	ug/L	20 U	**5.3 B**	20 U	**1.5 B**	20 U	**2.1 B**	20 U
Potassium	ug/L	2000 U	**1920 B**	**2900 J**	**6030**	**8000**	**1880**	**2200 J**
Selenium	ug/L	1 U	2.2 U	**6 J**	**26.2 J***	**9 J**	**21.2 J***	**15**
Sodium	ug/L	**163000**	**81300**	**89800**	**86800**	**164000**	**57200**	**72200**
Thallium	ug/L	2 U	1.7 UJ*	2 U	8.5 UJ*	2 U	1.7 UJ*	2 U
Vanadium	ug/L	15 U	1.1 U	15 U	**1.9 B**	15 U	**2.5 B**	15 U
Zinc	ug/L	10 U	**6.4 B**	10 U	**22.7**	10 U	**36.6**	10 U

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F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Date:	99M30 09/02/97	99M30 09/21/99	99M31 09/09/97	99M32 08/27/97	99M32 09/16/99	99M32-W0603 06/29/03	99M33 09/04/97
Inorganics								
Aluminum	ug/L	**888**	200 U	**566 J***	39.4 BU*	200 U		42 BU*
Antimony	ug/L	1.4 U	60 U	2.3 BU*	1.4 UJ*	60 U	5 U	1.4 U
Arsenic	ug/L	1.8 U	3 U	1.8 U	**1.8 B**	3 U	10 U	1.8 U
Barium	ug/L	**116 F**	**87**	**150 F**	**136 F**	**422**	**235**	**70.3 F**
Beryllium	ug/l		5 U			5 U		
Cadmium	ug/L	0.3 U	5 U	0.3 U	0.3 U	5 U	5 U	**0.3 B**
Calcium	ug/L	**102000 F**	**121000**	**98500 F**	**115000 F**	**79300**		**89100 F**
Chromium	ug/L	1 U	10 U	**1.9 B**	1 U	10 U	20 U	1 U
Cobalt	ug/L	**1.5 B**	25 U	0.8 U	**2.2 B**	25 U		0.8 U
Copper	ug/L	1.4 U	15 U	**1.8 B**	1.4 U	15 U	10 U	1.4 U
Iron	ug/L	**1080 J***	**660**	**597 J***	**42.3 BEJ***	**5700**		**38.3 BJ***
Lead	ug/L	1.5 UJ*	3 U	1.5 U	1.5 U	3 U	10 U	1.5 UJ*
Magnesium	ug/L	**21300**	**23500**	**39300**	**35400**	**31800**		**26200**
Manganese	ug/L	**406 F**	**88**	**52.4 FJ***	**2850 F**	**3120**		**8.5 F**
Mercury	ug/L	0.1 U	1 U	**0.58 FJ***	**0.18 BFJ***	1 U	0.5 U	0.1 U
Nickel	ug/L	**5.4**	20 U	**3.8 B**	**13.5 B**	20 U	**12.7 J**	0.7 U
Potassium	ug/L	**2210**	**2210**	**3410 B**	**2680 B**	**3900 J**		**2070**
Selenium	ug/L	**2.7 BJ***	**3 J**	2.2 UJ*	**41.5**	1 U	10 U	**19.7 J***
Sodium	ug/L	**62800**	**73900**	**178000**	**140000**	**153000**		**105000**
Thallium	ug/L	1.7 UJ*	**2 J**	8.5 UJ*	8.5 UEJ*	2 U	**11.4**	8.5 UJ*
Vanadium	ug/L	**2.6 B**	15 U	**2.9 B**	1.1 U	15 U		**1.8 B**
Zinc	ug/L	**6.5 B**	10 U	**7.6 B**	**6.6 B**	10 U	20 U	5.8 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Date:	99M33-W0603 06/28/03	99M34 09/09/97	99M34 09/17/99	99M34-W0603 06/26/03	99M35 09/03/97	99M35 09/17/99	99M36 09/09/97
Inorganics								
Aluminum	ug/L		**1850 J***	200 U		**961**	**6020**	**765 J***
Antimony	ug/L	5 U	3.4 BU*	60 U	5 U	1.4 U	60 U	2.2 BU*
Arsenic	ug/L	10 U	1.8 U	3 U	10 U	1.8 U	3 U	1.8 U
Barium	ug/L	**136**	**144 F**	**134**	**144**	**67.2 F**	**110**	**208 F**
Beryllium	ug/l			5 U			5 U	
Cadmium	ug/L	5 U	0.3 U	5 U	5 U	0.3 U	5 U	**0.34 B**
Calcium	ug/L		**117000 F**	**127000**		**73700 F**	**76000**	**137000 F**
Chromium	ug/L	**25.9**	**3.7 B**	10 U	20 U	**1.4 B**	10 U	**1.9 B**
Cobalt	ug/L		**1.6 B**	25 U		**0.83 B**	25 U	**3.8 B**
Copper	ug/L	**9.82 J**	**1.8 B**	15 U	10 U	1.4 U	15 U	**2.3 B**
Iron	ug/L		**1670 J***	**710**		**1120 J***	**8880**	**729 J***
Lead	ug/L	**4.63 J**	1.5 U	3 U	10 U	1.5 UJ*	**3 J**	**2.3 B**
Magnesium	ug/L		**30000**	**30400**		**18800**	**20000**	**39800**
Manganese	ug/L		**104 FJ***	**232**		**94.2 F**	**428**	**1490 FJ***
Mercury	ug/L	0.5 U	**0.12 B*J***	**1.1 J**	0.5 U	0.1 U	**2.6**	**0.65 FJ***
Nickel	ug/L	**22.8**	**4.5 B**	20 U	**12.1 J**	**1.9 B**	20 U	**13.4 B**
Potassium	ug/L		**3580 B**	2000 U		**1730**	2000 U	**4170 B**
Selenium	ug/L	**9.51 J**	2.2 UJ*	1 U	10 U	2.2 UJ*	1 U	2.2 U*
Sodium	ug/L		**124000**	**143000**		**45400**	**49100**	**205000**
Thallium	ug/L	10 U	8.5 UJ*	2 U	10 U	1.7 UJ*	2 U	8.5 UJ*
Vanadium	ug/L		**4.5 B**	15 U		**2 B**	15 U	**3.1 B**
Zinc	ug/L	**52.5**	**8.2 B**	**11 J**	**7.85 J**	**6.3 B**	**21**	**10.6 B**

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-9
Inorganic Detections
Groundwater Monitoring Wells, OU 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Date:	99M37 08/26/97	99M38 09/05/97	99M38 09/16/99	99M39 09/21/99	99M40 09/22/99
Inorganics						
Aluminum	ug/L	**4460 J***	**1050**	**1580**	**1920**	200 U
Antimony	ug/L	**1.8 BFJ***	1.4 U	60 U	60 U	60 U
Arsenic	ug/L	**2 B**	1.8 U	3 U	3 U	3 U
Barium	ug/L	**134 F**	**102 F**	**66**	**195**	**150**
Beryllium	ug/l			5 U	5 U	5 U
Cadmium	ug/L	0.3 U	0.3 U	5 U	5 U	5 U
Calcium	ug/L	**105000 F**	**101000 F**	**109000**	**104000**	**121000**
Chromium	ug/L	**4.8 B**	**1.1 B**	10 U	10 U	10 U
Cobalt	ug/L	**2.2 B**	**2.4 B**	25 U	25 U	25 U
Copper	ug/L	**9.7 B**	**1.5 B**	15 U	15 U	15 U
Iron	ug/L	**3780 EJ***	**977 J***	**2300**	**3020**	**420**
Lead	ug/L	1.5 U	**2.1 BJ***	3 U	3 U	3 U
Magnesium	ug/L	**25300**	**21900**	**21800**	**27200**	**29100**
Manganese	ug/L	**315 F**	**615 F**	**269**	**1670**	**911**
Mercury	ug/L	**0.1 BFJ***	0.1 U	1 U	1 U	**1.27 J**
Nickel	ug/L	**9 B**	**5**	20 U	20 U	20 U
Potassium	ug/L	**1730 B**	**2030**	2000 U	2000 U	**3100 J**
Selenium	ug/L	2.2 U	**2.3 BJ***	1 U	**1 J**	**8 J**
Sodium	ug/L	**81900**	**143000**	**159000**	**48500**	**60400**
Thallium	ug/L	1.7 UJ*	1.7 UJ*	2 U	2 U	2 U
Vanadium	ug/L	**7.2 B**	**2.2 B**	15 U	15 U	15 U
Zinc	ug/L	**26.2**	**8.5 B**	23 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
02B28	RI										**1.5**				
02B32	RI										ND				
02B33	RI										ND				
02B34	RI										ND				
02B36	RI										ND				
02B37	RI										ND				
02B38	RI										**3.5**				
02B39	RI										**2.8**				
02B40	RI										**24.6**				
02B41	RI										ND				
02B42	RI										**32.9**				
02B43	RI										ND				
02B44	RI										**9.9**				
02B51	RI			ND		ND	ND				**6.5**			ND	ND
02B52	RI			ND		ND	ND				ND			ND	ND
02B53	RI			ND		ND	ND				**14.8**			ND	ND
02B54	RI			ND		ND	ND				ND			ND	ND
02W05	RI										**15.3**				
03B18	RI						ND				ND				
03B19	RI						ND				ND				
03B21	RI						ND				**14.4**				
03B35	RI						ND				**201**				
03B36	RI						ND				**192**				
03B37	RI						ND				**20.8**				
03B38	RI						ND				ND				
03B39	RI						ND				ND				
03B50	RI						ND				**3.6**			ND	
04B04	RI			ND			ND				ND				ND
04B06	RI			ND			**1.7**				**3.6**				ND
04B09	RI			ND			**44.9**				**1482**			ND	
04B10	RI			ND			ND				**21.3**			ND	
04B11	RI			ND			**322**				**706**			ND	
04B12	RI			ND			**1.6**				**9.6**				ND
04B13	RI			ND			**91**				**2230**				ND

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
04B14	RI			ND			**82**				**1457**				ND
04B15	RI			ND			**16.3**				**558**				ND
04B16	RI			ND			**7.9**				**156**				ND
04B17	RI			ND			ND				**119**				ND
04B18	RI			ND			**16.8**				**480**				ND
04B19	RI			ND			**4.7**				**66**				ND
04B20	RI			ND			ND				**1.8**				ND
04B21	RI			ND			ND				ND				ND
04B22	RI			ND			ND				ND				ND
04B24	RI			ND			ND				ND			ND	
04B25	RI			ND			ND				ND			ND	
04B26	RI			ND			ND				ND			ND	
04B27	RI			ND			**1.0**				ND			ND	
04B28	RI			ND			**107**				**1519**			ND	
04B29	RI			ND			ND				**5.7**			ND	
04B33	RI			ND			ND				**6.8**			ND	
04B34	RI			ND			**23.3**				**274**			ND	
04B35	RI			ND			ND				**61.2**			ND	
04B36	RI			ND			ND				**34.9**			ND	
04B37	RI			ND			ND				**167**			ND	
04B38	RI			ND			**10.6**				**421**			ND	
04B39	RI			ND			ND				ND			ND	
04B40	RI			ND			ND				ND			ND	
04B41	RI			ND			ND				ND			ND	
04B42	RI			ND			ND				**18.4**			ND	
05B01	SI		ND	**0.9 J**				ND				**0.7 J**			**0.6 J**
05B03	SI		ND	**1.3**				**5**				ND			**1.9**
05B04	SI		**1.8**	ND				ND				ND			ND
05B06	SI		ND	ND				ND				ND			ND
06B07	RI						ND				**3.7**			ND	
06B10	RI						ND				ND			ND	
06B15	RI						ND				ND			ND	
09B03	RI			ND			ND				**3.5**				
09B06	RI			**20.7**			**3.5**				**46**				

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
09B09	RI			ND			**1.9**				**76.9**				
09B12	RI			ND			ND				**2.2**				
09B14	RI			**172**			**22.7**				ND				
09B16	RI			**73.4**			**17.9**				**18.6**				
09B24	RI			ND			**37.9**				**376**				
09B25	RI			ND			**33.7**				**165**				
09B26	RI			**5.0**			**7.5**				**3.5**				
09B27	RI			ND			**19.2**				**185**				
09B28	RI			ND			**153**				**901**				
09B29	RI			ND			**106**				**818**				
09B30	RI			ND			**77.4**				**605**				
09B31	RI			ND			ND				**4.4**				
09B32	RI			ND			ND				**8.1**				
09B33	RI			ND			ND				**27.5**				
09B34	RI			ND			ND				ND				
09B35	RI			ND			ND				**14.9**				
09B36	RI			ND			**11.5**				**187**				
09B37	RI			ND			**4.0**				**127**				
09B38	RI			ND			ND				**11.3**				
09B39	RI			ND			ND				**0.8J**				
09B40	RI			ND			ND				ND				
09B41	RI			ND			ND				**3.3**				
09B42	RI			ND			ND				ND				
09B43	RI			ND			**12.1**				**261**				
09B44	RI			ND			ND				**0.4J**				
09B47	RI			ND			**0.4J**				**1.5**			ND	
09B48	RI			ND			**1.4**				**80.2**			ND	
09B49	RI			ND			**2.3**				**300**			ND	
09B50	RI			ND			ND				**13.8**			ND	
09B51	RI			ND			**2.3**				**54.4**			ND	
09B52	RI			ND			ND				**112**			ND	
09B53	RI			ND			**257**				**1345**			ND	
09B54	RI			ND			**2.2**				**396**			ND	
09B55	RI			ND			ND				**163**			ND	

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
09B56	RI			ND			ND				**5.2**			ND	
09B57	RI			ND			ND				ND			ND	
09B58	RI			ND			ND				**12.0**			ND	
09B59	RI			ND			ND				**73.7**			ND	
09B60	RI			ND			ND				**59.1**			ND	
09B61	RI			ND			ND				ND			ND	
09B65	RI			ND			ND				ND			ND	
09B66	RI			ND			ND				**11.8**			ND	
09B67	RI			ND			ND				**4.8**			ND	
09B68	RI			ND			**3.3**				**146**			ND	
09B69	RI			ND			**4.6**				**31.9**			ND	
09B70	RI			ND			ND				ND			ND	
09B71	RI			ND			ND				ND			ND	
09B72	RI			ND			ND				ND			ND	
11B04	RI			ND			ND				**3.8**			ND	
11B05	RI			ND			ND				ND			ND	
12B01	SI	ND	ND	ND	ND	**20 D**		ND	ND	ND	**140 D**	ND	ND	ND	ND
12B06	RI			ND			ND				ND			ND	
12B07	RI			ND			**15.9**				**139**			ND	
12B08	RI			ND			**3.8**				**73.7**			ND	
22B09	SI		ND	**22.7**		**42**		**56.2**				**25.8**			**98.2**
22B10	SI		ND	**2.7**		**43.6**		**19**				**2**			**6.9**
22M12	RI			**80.6**			ND				ND			ND	
23B01	RI			ND			ND				**5.8**			ND	
23B02	RI			**24.2**			ND				ND			ND	
23B03	RI			ND			ND				ND			ND	
23B05	RI			**NA**			**NA**							**NA**	
23B17	RI			ND			ND				**2.2**			ND	
23B20	RI			ND			ND				**6.0**			ND	
23B21	RI			ND			ND				ND			ND	
23B22	RI			ND			ND				ND			ND	
23B23	RI			ND			ND				ND			ND	
23B24	RI			ND			ND				ND			ND	
23B25	RI			ND			ND				ND			ND	

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
23B26	RI			ND			ND				**28.5**			ND	
23B27	RI			ND			ND				ND			ND	
23B28	RI			ND			ND				ND			ND	
23B29	RI			ND			ND				ND			ND	
23B31	RI			ND			**1.0**				**37.6**			ND	
23B32	RI			ND			ND				**1.9**			ND	
23B33	RI			ND			**40.0**				**455**			ND	
23B34	RI			ND			ND				**1.0**			ND	
23B35	RI			ND			**46.4**				**768**			ND	
23B36	RI			ND			**80.1**				**595**			ND	
33B03	SI		ND	ND				ND				ND			ND
34B04	SI		ND	ND				ND				ND			**0.8 J**
35B01	SI		ND	**6.6**				**7**				ND			**24.6**
36B02	SI		ND	ND				ND				ND			ND
99B01	SRI	ND	ND	ND	ND	ND		ND	ND	ND	**484.44**	ND	ND	ND	ND
99B02	SRI		ND	ND		ND		ND			**64.28**	ND	ND	ND	ND
99B03	SRI	ND	ND	ND	ND	ND		ND		ND	**5.6**	ND	ND	ND	ND
99B04	SRI		ND	ND		ND		ND			ND	ND	ND	ND	ND
99B06	SRI	ND	ND	ND	ND	ND		ND	ND	ND	**5.6**	ND	ND	ND	ND
99B07	SRI		ND	ND		ND		ND			ND	ND	ND	ND	ND
99B08	SRI	ND	ND	ND	ND	**3.51**		ND	ND	ND	**11.7**	ND	ND	ND	ND
99BA1	SRI	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
99BA'1	SRI	ND	ND	ND	ND	ND		ND		ND	**4.25**	ND	ND	ND	ND
99BA2	SRI	ND	ND	ND	ND	ND		ND		ND	ND	ND	ND	ND	ND
99BB1	SRI		ND	ND		ND		ND			ND	ND	ND	ND	ND
99BB'1A	SRI		ND	ND		ND		ND			**3.56**	ND	ND	ND	ND
99BB'2	SRI		ND	ND		ND		ND			ND	ND	ND	ND	ND
99BC1	SRI		ND	ND		ND		ND			ND	ND	ND	ND	ND
99BC2	SRI		ND	ND		ND		ND			ND	ND	ND	ND	ND
99BD3	SRI	ND	ND	ND	ND	**10.98**		ND	ND	ND	**26.69**	ND	ND	ND	ND
GP-N22-027	FSADS		ND	ND		**0.49J**		ND			**11**	ND	ND	ND	ND
GP-N23-024	FSADS					ND					**5**		ND	ND	
GP-N24-027	FSADS					ND					**10**		ND	ND	
GPW-001	ESI					ND			ND		ND				

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
GPW-004	ESI					ND			ND		ND				
GPW-005	ESI					ND			ND		ND				
GPW-010	ESI					ND			ND		**395**				
GPW-011	ESI					**81.2**			ND		ND				
GPW-012	ESI					ND			ND		ND				
GPW-013	ESI					**10.3**			ND		ND				
GPW-014	ESI					ND			ND		**24**				
GPW-015	ESI					**95**			ND		**403**				
GPW-016	ESI					**13.9**			ND		**637**				
GPW-017	ESI					**919**			ND		**12900**				
GPW-018	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-019	ESI					ND			ND		**9.1**				
GPW-020	ESI					ND			ND		ND				
GPW-021	ESI					ND			ND		ND				
GPW-021 Shallow	ESI					ND			ND		ND				
GPW-022	ESI					ND			ND		ND				
GPW-022A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-023	ESI					ND			ND		ND				
GPW-025 37-41	ESI					**76.4**			ND		**2290**				
GPW-025A	ESI	ND		ND	ND	**130**			ND	ND	**2500**		**1.1**	ND	
GPW-025A 44-48	ESI					**344**			ND		**1530**				
GPW-026	ESI					**29.3**			ND		**971**				
GPW-027	ESI					**215**			ND		**3830**				
GPW-028	ESI					ND			ND		**1.4**				
GPW-029	ESI					ND			ND		**16.6**				
GPW-030	ESI					ND			ND		**1.78**				
GPW-030A	ESI	ND		ND	ND	ND			ND	ND	**1.5**		ND	ND	
GPW-031	ESI					ND			ND		ND				
GPW-031A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-032	ESI					ND			ND		ND				
GPW-033	ESI					ND			ND		ND				
GPW-034	ESI					ND			ND		ND				
GPW-035	ESI					**49**			ND		**797**				
GPW-035A	ESI	ND		ND	**9.7**	**93**			ND	ND	**2000**		**3.4**	ND	

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
GPW-036	ESI					ND			ND		**14.3**				
GPW-037	ESI					**20.7**			ND		**406**				
GPW-038	ESI					ND			ND		**19.7**				
GPW-039	ESI					ND			ND		ND				
GPW-040	ESI					ND			ND		ND				
GPW-041	ESI					**370**			ND		**3090**				
GPW-041A	ESI	**3.5**		ND	ND	**350**			ND	ND	**5700**		**37**	ND	
GPW-042	ESI					**8.09**			ND		**10.5**				
GPW-043	ESI					**94.6**			ND		**389**				
GPW-045	ESI					**82.1**			ND		**480**				
GPW-045A	ESI	ND		ND	ND	**110**			ND	ND	**680**		ND	ND	
GPW-047	ESI					ND			ND		ND				
GPW-048	ESI					ND			ND		ND				
GPW-048A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-050	ESI					**3.44**			ND		**10.1**				
GPW-051	ESI					ND			ND		ND				
GPW-051A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-052	ESI					**42.9**			ND		**304**				
GPW-052A	ESI	ND		ND	ND	**17**			ND	ND	**42**		ND	ND	
GPW-053	ESI					ND			ND		ND				
GPW-054	ESI					ND			ND		**2.93**				
GPW-055	ESI					ND			ND		**1.51**				
GPW-056	ESI	ND		ND	ND	ND			ND	ND	**2.8**		ND	ND	
GPW-057	ESI					ND			ND		**34.2**				
GPW-067	ESI					ND			ND		ND				
GPW-083A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-084A	ESI	ND		ND	**12**	ND			ND	ND	**39**		ND	ND	
GPW-088	ESI					ND			ND		**2.33**				
GPW-089	ESI	ND		ND	ND	ND			ND	ND	**5.4**		ND	ND	
GPW-089A	ESI	ND		ND	ND	ND			ND	ND	**5.4**		ND	ND	
GPW-090	ESI					ND			ND		ND				
GPW-091	ESI					ND			ND		ND				
GPW-092	ESI					**526**			ND		**3850**				
GPW-093	ESI					**56.4**			ND		**356**				

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
GPW-093A	ESI	**310**		ND	ND	**48**			ND	**16**	**290**		**2.7**	ND	
GPW-094	ESI					**25.6**			ND		**2.39**				
GPW-095A	ESI	ND		ND	ND	ND			ND	ND	**14**		ND	ND	
GPW-105	ESI					ND			ND		ND				
GPW-106	ESI					ND			ND		**3.72**				
GPW-107	ESI					ND			ND		**9.76**				
GPW-107A	ESI	**10**		ND	ND	ND			ND	ND	**28**		ND	ND	
GPW-109A	ESI	ND		ND	ND	ND			**51**	ND	ND		ND	ND	
GPW-110A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-124	ESI					ND			ND		**667**				
GPW-124A	ESI	ND		ND	ND	**14**			ND	ND	**1500**		ND	ND	
GPW-126	ESI	ND		ND	ND	**4.3**			ND	ND	**18**		ND	ND	
GPW-127	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-131A	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-136	ESI	ND		ND	ND	ND			ND	ND	ND		ND	ND	
GPW-137	ESI					ND			ND		**1.62**				
GPW-138	ESI	**98**		ND	ND	**44**			ND	ND	**170**		**1.4**	ND	
GPW-141	ESI	ND		ND	**7**	**73**			ND	ND	**383**		**6.7**	ND	
GPW-142	ESI					ND			ND		ND				
GPW-143	ESI					**233**			ND		**702**				
GPW-144	ESI	ND		ND	ND	**6.02**			ND	ND	**12**		ND	ND	
GPW-N02-001	FSADS	**0.8**	ND	ND	ND	**11.8**		ND	ND	**4.4**	**12.1**	ND	ND	ND	ND
GPW-N06-001	FSADS	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
GPW-N06-065	FSADS	ND				ND			ND	ND	ND			ND	
GPW-N07-051	FSADS	ND				ND			ND		ND			ND	
GPW-N09-032	FSADS	**14.3**				ND			**15.6**		**13.3**			**1**	
GPW-N09-055	FSADS	ND				**18**			ND		**21**			ND	
GPW-N09-070	FSADS	ND				ND			ND		**19.8**			ND	
GPW-N10-038	FSADS	ND	ND	ND	ND	**11.58**		ND	ND	ND	**19.8**	ND	ND	ND	ND
GPW-N10-055	FSADS	ND				**13.3**			ND		**21.2**			ND	
GPW-N10-070	FSADS	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
GPW-N10-238	FSADS	ND	ND	ND	ND	**10.2**		ND	ND	ND	**13.2**	ND	ND	ND	ND
GPW-N11-038	FSADS	ND	ND	ND	ND	**20.3**		ND	ND	ND	**23.7**	ND	**0.34 J**	ND	ND
GPW-N11-055	FSADS	ND				**22.4**			ND		**24.9**			ND	

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
GPW-N12-050	FSADS	ND				ND			ND		ND			ND	
GPW-N12-066	FSADS	ND				ND			ND		ND			ND	
GPW-N13-038	FSADS	ND				ND			ND		ND			ND	
GPW-N13-055	FSADS	ND				ND			ND		ND			ND	
GPW-N13-070	FSADS	ND				ND			ND		**0.5**			ND	
GPW-N14-038	FSADS	ND				ND			ND		ND			ND	
GPW-N14-055	FSADS	ND				ND			ND		ND			ND	
GPW-N14-070	FSADS	ND				ND			ND		ND			ND	
GPW-N15-038	FSADS	ND				ND			ND		ND			ND	
GPW-N15-055	FSADS	ND				ND			ND		ND			ND	
GPW-N15-070	FSADS	ND				ND			ND		ND			ND	
GPW-N16-038	FSADS	ND				ND			ND		**0.7**			ND	
GPW-N16-055	FSADS	ND				ND			ND		**1.2**			ND	
GPW-N16-070	FSADS	ND				**4.6**			ND		**3.6**			ND	
GPW-N17-038	FSADS	ND				**5.8**			ND		**7.3**			ND	
GPW-N17-055	FSADS	ND				**17.6**			ND		**18.3**			ND	
GPW-N17-070	FSADS	ND				**21.5**			ND		**25.7**			ND	
GPW-N18-038	FSADS	ND				ND			ND		ND			ND	
GPW-N18-055	FSADS	ND				ND			ND		ND			ND	
GPW-N18-070	FSADS	ND				ND			ND		ND			ND	
GPW-N19-038	FSADS	ND				ND			ND		ND			ND	
GPW-N19-055	FSADS	ND				ND			ND		ND			ND	
GPW-N20-038	FSADS	ND				ND			ND		ND			ND	
GPW-N20-055	FSADS	ND				ND			ND		ND			ND	
GPW-N20-070	FSADS	ND				ND			ND		ND			ND	
GPW-N21-038	FSADS	ND	ND	ND	**1.3**	ND		ND	ND	ND	ND	ND	ND	ND	ND
GPW-N21-055	FSADS	ND				ND			ND		ND			ND	
GPW-N21-070	FSADS	ND				ND			ND		ND			ND	
GPW-N22-027	FSADS	ND	ND	ND	ND	**0.49 J**		ND	ND	ND	**15.2**	ND	ND	ND	ND
GPW-N22-227	FSADS	ND	ND	ND	ND	**0.5 J**		ND	ND	ND	**15.6**	ND	ND	ND	ND
GPW-N30-042	FSADS	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
GPW-N33-058	FSADS	ND	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND
GPW-N44-047	FSADS	ND	ND	ND	ND	ND		ND	ND	ND	**5.86**	ND	ND	ND	ND
GPW-N45-036	FSADS	ND	ND	ND	ND	**30**		ND	ND	ND	**2,000J**	ND	ND	ND	ND

Table 6-10
Detections, Groundwater Direct Push Samples, OU 1
Former Schilling Air Force Base
Salina, Kansas

Sample ID	Study	1,1-Dichloroethene	1,2-Dichloroethane	Benzene	Chloroform	cis-1,2-Dichloroethene	Dichloroethene	Ethyl Benzene	Tetrachloroethene	Trichloroethane	Trichloroethene	Toluene	trans-1,2-Dichloroethene	Vinyl Chloride	Xylenes
LSW01	RI			**425**			ND				ND			ND	
LSW02	RI			ND			ND				**4.4**			ND	
LSW03	RI			ND			ND				**1.6**			ND	
LSW04	RI			ND			ND				**4.7**			ND	
LSW08	RI			ND			ND				**0.85J**			ND	
LSW09	RI			ND			ND				ND			ND	
SAW01	RI			ND			ND				**1.5**			ND	
SAW02	RI			ND			ND				ND			ND	
SAW03	RI			ND			ND				ND			ND	
SAW04	RI			ND			ND				**27.2**			ND	
SAW05	RI			ND			ND				ND			ND	
SAW07	RI			ND			ND				ND			ND	
SAW08	RI			ND			ND				**1.2**			ND	

SI - 1998 SI
ESI - 2001 ESI
RI - 1999 RI
SRI - 2005 RI
FSADS - 2005 RI

Results in µg/L
Bold indicates that compound was detected.
ND - Not Detected
J - Estimated vlaue

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
A	1A01	Detailed in Table 6-4										
A	JET	Detailed in Table 6-2										
B	1B01	A	GWXX	TBD	Groundwater	X	X		GWXXDUP	GW11*	GW01QA	GW01X
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X	X		GWYYDUP	GW22	GW02QA	
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		G	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		I	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		M	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		O	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		Q	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
C	1C01	Detailed in Table 6-8										

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
C	2C20	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		F	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		Note 12	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
C	3C20	AA	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		AC	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		Y	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		Note 12	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
C	4C01	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
C	5C01	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		G	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		I	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
C	6C01	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		G	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
C	6C01	I	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		M	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		O	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
C	B837	Detailed in Table 6-8										
D	1D01	Detailed in Table 6-6										
D	2D01	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		G	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		I	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
D	3D01	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		G	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		I	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		M	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		O	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
D	4D01	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		C	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
		E	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		G	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		I	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		M	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		O	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
D	5D20	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		F	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		Note 13	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
D	LOX	Detailed in Table 6-6										
E	1E20	A	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)
E	1E20	F	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		K	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		Note 14	GWXX	TBD	Groundwater	X						
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
Pump Tests	DP	PT01	GWXX	TBD	Groundwater	X	X (Note 15)					
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
		PT02	GWXX	TBD	Groundwater	X	X (Note 15)					
			GWYY	TBD	Groundwater	X						
			(Notes 8, 9)	(Note 8)	Groundwater	X						
Various	Wells	99MXXx	GW01	NA	Groundwater		X	X (Note 16)				

Table 6-11
Proposed OU 1 Analytical Groundwater Samples
Former Schilling Air Force Base
Salina, Kansas

						Parameters			QA/QC Sample Designators			
Plume	Area	Sample Point	Sample Designator	Sample Interval (bgs)	Matrix	On-Site VOCs (Note 1)	Off-Site VOCs (Notes 2, 3)	Off-Site NA Indicator Parameters (Note 4)	On-Site Duplicate (Note 5)	Off-Site Duplicate (Notes 6, 11)	QA Sample (Notes 7, 11)	MS/MSD (Notes 8, 11)

Notes:
This table shows the general sampling requirements and sample labeling scheme. Due to the interative nature of the field activities at this location, this table will not list all sample requirements for collection in the field. These are unknown at this time.

1. On-site VOCs include tetrachloroethene, trichloroethene, cis-1,2-dichloroethene, and 1,1-dichloroethene except for those samples associated with Area 3C20, which will also include carbon tetrachloride.
2. One groundwater sample per each 10 on-site gas chromatograph analyses will be sent to an off-site laboratory as a confirmation sample.
3. Off-site VOC analysis will be performed using Method SW-846 5030B/8260B.
4. Natural attenuation indicator parameters include methane, ethane, ethene, iron, nitrate, nitrite, sulfate, sulfide, alkalinity, chloride, dissolved oxygen, and oxidation-reduction potential, and TOC.
5. One on-site duplicate will be conducted per 10 on-site analyses.
6. One off-site duplicate will be conducted per 10 off-site analyses.
7. Each off-site duplicate will also have a QA split sample sent to the USACE QA Lab.
8. One set of MS/MSD samples will be collected per each 20 off-site VOC analyses.
9. One groundwater sample will be collected per each 15-foot interval of saturated thickness with three exceptions. One boring per Sample Grid 2C, Sample Grid 5D, and Sample Grid 1E will be sampled at approximately 10 foot intervals. The number of groundwater samples collected at each sample point will depend on the saturated thickness of the aquifer.
10. XX, YY, …. indicate depth bgs of sample collection.
11. QA/QC samples to be numbered per sample depth interval with "11" and "01" as deepest sample depth interval.
12. See FSP Figure 5-6 for other potential sample points.
13. See FSP Figure 5-7 for other potential sample points.
14. See FSP Figure 5-8 for other potential sample points.
15. The off-site VOC confirmation sample will be conducted on the deepest sample interval.
16. Only 20 percent of monitoring wells will be analyzed for off-site NA parameters.

bgs - below ground surface
MS - matrix spike
MSD - matrix spike duplicate
NA - not applicable
QA - quality assurance
TBD - to be determined
TOC - total organic carbon
USACE - U.S. Army Corps of Engineers
VOCs - volatile organic compounds

Table 6-12
VOC Soil Detections
Former Pumphouse No. 3
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	23B23	23B23	23B23	23B24	23B24	23B25	23B25	23B25	23B25
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	10/22/1996	10/22/1996	10/22/1996	10/21/1996	10/21/1996	10/21/1996	10/21/1996	10/21/1996	10/21/1996
	Sample Depth:	10 - 10.5	2 - 4	5.5 - 6	2 - 4	4 - 8	1.8 - 4	4 - 8	8 - 12	8 - 12
Volatile Organic Compounds	**Units**									
2-Butanone	ug/kg	6 U	**10**	6 U	**23**	**6**	**14**	32 U	32 U	32 U
Acetone	ug/kg	**5 J**	**43**	**12**	**130 B**	**54 B**	**640 EB**	**86**	**72 BJ***	**69 BJ***
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	32 U	32 U	32 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	**4 J**	6 U	6 U	32 U	32 U	32 U
Chloroform	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	32 U	32 U	32 U
Methylene chloride	ug/kg	6 U	6 U	6 U	**4 JF**	**3 JF**	6 U	32 U	32 U	32 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	32 U	32 U	32 U

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-12
VOC Mobile Lab Soil Detections
Former Pumphouse No. 3
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-248	S-248	S-260	S-260	S-280	S-280
	Sample Media:	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 2	2 - 4	1 - 2	3 - 5	1 - 3	4 - 6
Volatile Organic Compounds	**Units**						
cis-1,2-Dichloroethene	ug/kg	7.29 U	5.83 U	6.07 U	5.73 U	5.94 U	5.46 U
Carbon tetrachloride	ug/kg	1.46 U	1.17 U	1.21 U	1.15 U	1.19 U	1.09 U
Trichloroethene	ug/kg	1.46 U	1.17 U	1.21 U	1.15 U	1.19 U	1.09 U
Tetrachloroethene	ug/kg	1.46 U	1.17 U	1.21 U	1.15 U	1.19 U	1.09 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-12
SVOC and Inorganic Sediment Detections
Former Pumphouse No. 3
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	23S14
	Sample Media:	SD
	Sample Date:	5/31/1996
	Sample Depth:	0 - 0.5
Semivolatile Organic Compounds	**Units**	
Acenaphthene	ug/kg	**200 J**
Anthracene	ug/kg	**680 J**
Benzo(a)anthracene	ug/kg	**6500**
Benzo(a)pyrene	ug/kg	**7000**
Benzo(b)fluoranthene	ug/kg	**8600**
Benzo(g,h,i)perylene	ug/kg	**3900**
Benzo(k)fluoranthene	ug/kg	**3800**
bis(2-Ethylhexyl)phthalate	ug/kg	**290 J**
Chrysene	ug/kg	**5500**
Dibenz(a,h)anthracene	ug/kg	**2300**
Fluoranthene	ug/kg	**9100**
Fluorene	ug/kg	**160 J**
Indeno(1,2,3-cd)pyrene	ug/kg	**5800**
Phenanthrene	ug/kg	**2600**
Pyrene	ug/kg	**8500**

Notes:
Bold indicates that compound was detected.
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
* - Qualified in QC evaluation
E - Exceeded calibration range
D - Diluted for analysis
F - Detected in associated rinsate blank

Analyte	Sample Location:	23S14
	Sample Media:	SD
	Sample Date:	5/31/1996
	Sample Depth:	0 - 0.5
Inorganics	**Units**	
Aluminum	mg/kg	**9960**
Antimony	mg/kg	**1.7 BJ***
Arsenic	mg/kg	**6**
Barium	mg/kg	**281**
Beryllium	mg/kg	**0.76**
Cadmium	mg/kg	**1.6 J***
Calcium	mg/kg	**19500 J*F**
Chromium	mg/kg	**14.8 F**
Cobalt	mg/kg	**5.6 J*F**
Copper	mg/kg	**19.8 F**
Iron	mg/kg	**11300**
Lead	mg/kg	**71.8 J***
Magnesium	mg/kg	**3240**
Manganese	mg/kg	**277 J***
Nickel	mg/kg	**13.2**
Potassium	mg/kg	**2260**
Sodium	mg/kg	**235 B**
Vanadium	mg/kg	**24.4**
Zinc	mg/kg	**69.7**

Table 6-12
Petroleum Hydrocarbons Soil Detections
Former Pumphouse No. 3
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	23B24	23B24	23B25	23B25	23B25	23B25
	Sample Media:	SB	SB	SB	SB	SB	SB
	Sample Date:	10/21/1996	10/21/1996	10/21/1996	10/21/1996	10/21/1996	10/21/1996
	Sample Depth:	2 - 4	4 - 8	1.8 - 4	4 - 8	8 - 12	8 - 12
Total Petroleum Hydrocarbons	**Units**						
MISCELLANEOUS C10-C14	mg/kg			**3.2**			
MISCELLANEOUS C8-C16	mg/kg				**51.7**	**111**	**42.4**
TPH as Gasoline	ug/kg	**23.5**	10 U	**26.6**	**35400**	**56200**	**35600**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-13
VOC Soil Detections
Building 655
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	23B31	23B31	23B31	23B31	S-275	S-275	S-292	S-292
	Sample Media:	SB	SB	SB	SB	SB	SB	SS	SB
	Sample Date:	10/18/1996	10/18/1996	10/18/1996	10/18/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	6 - 8	9 - 11	13 - 15	1 - 3	5 - 7	1 - 2	4 - 6
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/kg	6 U	6 U	6 U	6 U	3.6 U	2.9 U	**5.2**	4.1 U
1,1-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U				
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	3.6 U	**4.6**	3.8 U	4.1 U
2-Butanone	ug/kg	6 U	6 U	6 U	**5 J**	**4**	2.9 U	3.8 U	**4.1 J**
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	3.6 U	2.9 U	3.8 U	**6.2**
Acetone	ug/kg	**4 JBF**	13 BU*	24 BU*	**94 BF**	**22**	8.9 U	**18 J**	**91 J**
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	3.6 U	2.9 U	3.8 U	4.1 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	3.6 U	2.9 U	3.8 U	4.1 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	**5 J**	3.6 U	2.9 U	3.8 U	4.1 U
Methylene chloride	ug/kg	**2 JBF**	3 JBU*	**7 F**	**8 F**	11 U	8.9 U	11 U	12 U
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U				
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	3.6 U	2.9 U	3.8 U	4.1 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	3.6 U	**4.6**	**90**	**18**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-13
VOC Soil Detections
Building 655
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-298	S-298	S-300	S-300	S-319	S-319
	Sample Media:	SS	SB	SS	SB	SS	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 2	4 - 6	1 - 2	4 - 6	1 - 2	4 - 6
Volatile Organic Compounds	**Units**						
1,1,1-Trichloroethane	ug/kg	3.9 U	3.9 U	3.5 U	4.3 U	7.1 U	5.2 U
1,1-Dichloroethane	ug/kg						
1,1-Dichloroethene	ug/kg	3.9 U	3.9 U	3.5 U	4.3 U	7.1 U	5.2 U
2-Butanone	ug/kg	3.9 U	3.9 U	3.5 U	4.3 U	**12**	**6.7**
2-Hexanone	ug/kg	3.9 U	**5.8**	3.5 U	**8.6**	**42**	**6.5**
Acetone	ug/kg	**61**	**73**	**22**	**96**	**210**	**190**
Carbon disulfide	ug/kg	**5**	3.9 U	3.5 U	4.3 U	7.1 U	5.2 U
Carbon tetrachloride	ug/kg	3.9 U	3.9 U	3.5 U	4.3 U	7.1 U	5.2 U
cis-1,2-Dichloroethene	ug/kg	**46**	3.9 U	3.5 U	4.3 U	7.1 U	5.2 U
Methylene chloride	ug/kg	12 U	12 U	10 U	13 U	21 U	16 U
Tetrachloroethene	ug/kg						
trans-1,2-Dichloroethene	ug/kg	**50**	3.9 U	3.5 U	4.3 U	7.1 U	5.2 U
Trichloroethene	ug/kg	**110**	**20**	3.5 U	**56**	**14**	**34**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-13
VOC Mobile Lab Soil Detections
Building 655
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-273	S-273	S-274	S-274	S-275	S-275	S-291
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	5 - 7	1 - 3	5 - 7	1 - 3	5 - 7	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.76 U	1.12 U	1.02 U	1.04 U	1.09 U	1.12 U	1.08 U
cis-1,2-Dichloroethene	ug/kg	8.79 U	5.59 U	5.1 U	5.21 U	5.47 U	5.6 U	**45.7**
Tetrachloroethene	ug/kg	1.76 U	1.12 U	1.02 U	1.04 U	1.09 U	1.12 U	1.08 U
Trichloroethene	ug/kg	1.76 U	1.12 U	1.02 U	1.04 U	1.09 U	**9.62**	**1.66**

Analyte	Sample Location:	S-291	S-292	S-292	S-293	S-293	S-298	S-298
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	1 - 3	5 - 7	1 - 3	5 - 7	1 - 3	5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.05 U	1.09 U	1.12 U	1.12 U	1.22 U	1.14 U	1.14 U
cis-1,2-Dichloroethene	ug/kg	**16.2**	5.46 U	5.59 U	**34.2**	**11.6**	**12.7**	5.71 U
Tetrachloroethene	ug/kg	1.05 U	1.09 U	1.12 U	1.12 U	1.22 U	1.14 U	1.14 U
Trichloroethene	ug/kg	**5.26**	**14**	**12.1**	**6.44**	**37.1**	**19.6**	**3.64**

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
U - Qualified as undetected

Table 6-13
VOC Mobile Lab Soil Detections
Building 655
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-299	S-299	S-300	S-300	S-301	S-301	S-302
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	5 - 7	1 - 3	5 - 7	1 - 3	5 - 7	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.98 U	1.07 U	1.05 U	1.07 U	1.59 U	1.18 U	1.37 U
cis-1,2-Dichloroethene	ug/kg	4.92 U	5.34 U	5.26 U	5.33 U	7.96 U	5.89 U	6.85 U
Tetrachloroethene	ug/kg	0.98 U	1.07 U	1.05 U	1.07 U	1.59 U	1.18 U	1.37 U
Trichloroethene	ug/kg	0.98 U	1.07 U	**4.99**	**3.58**	1.59 U	1.18 U	1.37 U

Analyte	Sample Location:	S-302	S-303	S-303	S-319	S-319	S-320	S-320
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	1 - 3	5 - 7	1 - 3	4 - 6	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.51 U	1.43 U	1.33 U	1.49 U	0.92 U	1.22 U	1.1 U
cis-1,2-Dichloroethene	ug/kg	7.54 U	7.16 U	6.65 U	7.45 U	4.6 U	6.12 U	5.51 U
Tetrachloroethene	ug/kg	1.51 U	1.43 U	1.33 U	1.49 U	0.92 U	1.22 U	1.1 U
Trichloroethene	ug/kg	1.51 U	1.43 U	1.33 U	**7.03**	**4.59**	1.22 U	1.1 U

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
U - Qualified as undetected

Table 6-13
SVOC Soil Detections
Building 655
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	SS-145 / SS / 1/1/2000 / 0 - 0.5	SS-146 / SS / 1/1/2000 / 0 - 0.5	SS-147 / SS / 1/1/2000 / 0 - 0.5
Semivolatile Organic Compounds	**Units**			
2-Methylnaphthalene	ug/kg	380 U	350 U	**260 J**
Acenaphthene	ug/kg	380 U	**2000**	**1600**
Anthracene	ug/kg	380 U	**3800 D**	**2500**
Benzo(a)anthracene	ug/kg	**180 J**	**13000 D**	**16000 D,J***
Benzo(a)pyrene	ug/kg	**230 J**	**13000 D**	**13000 D**
Benzo(b)fluoranthene	ug/kg	**370 J**	**18000 D**	**21000 D**
Benzo(g,h,i)perylene	ug/kg	**200 J**	**11000 D**	340 U
Benzo(k)fluoranthene	ug/kg	**150 J**	**6200 D,J***	**10000 D**
Butyl benzyl phthalate	ug/kg	380 U	350 U	**89 J**
Carbazole	ug/kg	380 U	**1600**	**1500**
Chrysene	ug/kg	**340 J**	**14000 D**	**20000 D,J***
Dibenz(a,h)anthracene	ug/kg	380 U	**1800**	**1500**
Dibenzofuran	ug/kg	380 U	**630**	**820**
Di-n-butylphthalate	ug/kg	**61 J**	350 U	340 U
Fluoranthene	ug/kg	**550**	**39000 D,E**	**38000 D**
Fluorene	ug/kg	380 U	**1400**	**1200**
Indeno(1,2,3-cd)pyrene	ug/kg	**190 J**	**11000 D**	**1900**
Naphthalene	ug/kg	380 U	**100 J**	**140 J**
Phenanthrene	ug/kg	**270 J**	**19000 D**	**19000 D**
Pyrene	ug/kg	**480**	**29000 D,E**	**33000 D,J***

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
D - Diluted for analysis
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-13
Inorganic Soil Detections
Building 655
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	SS-145	SS-146	SS-147
	Sample Media:	SS	SS	SS
	Sample Date:	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**			
Aluminum	mg/kg	**18100 J***	**11600**	**5510**
Arsenic	mg/kg	**3.5**	**3.97**	**33**
Beryllium	mg/kg	**0.953**	**0.687**	**0.433**
Cadmium	mg/kg	**2.97**	**1.32**	**1.04**
Chromium	mg/kg	**38.3**	**19.2**	**11.6**
Cobalt	mg/kg	**7.69**	**7.47**	**4.25**
Copper	mg/kg	**20 J***	**24.7**	**11.5**
Lead	mg/kg	**152 J***	**41.2**	**49.7**
Manganese	mg/kg	**507**	**630**	**338**
Nickel	mg/kg	**18**	**18.6 J***	**10.9**
Selenium	mg/kg	1.11 U	**5.88**	**16.5**
Vanadium	mg/kg	**40**	**25.5**	**17.8**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

U - Qualified as undetected

J - Qualified as estimated

* - Qualified in QC evaluation

Table 6-14
VOC Soil Detections
Former Aboveground Storage Tanks
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	23B31	23B31	23B31	23B31	23B32	23B32	23B32	23B32	23B34
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	10/18/1996	10/18/1996	10/18/1996	10/18/1996	10/18/1996	10/18/1996	10/18/1996	10/18/1996	10/18/1996
	Sample Depth:	1 - 3	13 - 15	6 - 8	9 - 11	1 - 3	13 - 15	5 - 7	9 - 11	1 - 3
Volatile Organic Compounds	**Units**									
1,1,1-Trichloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/kg	6 U	**5 J**	6 U	6 U	**5 J**	6 U	6 U	6 U	6 U
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	**4 JBF**	**94 BF**	13 BU*	24 BU*	24 BU*	14 BU*	13 BU*	11 BU*	3 JBU*
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	**5 J**	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Methylene chloride	ug/kg	**2 JBF**	**8 F**	3 JBU*	**7 F**	11 BU*	3 JBU*	3 JBU*	3 JBU*	6 U
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-14
VOC Soil Detections
Former Aboveground Storage Tanks
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	23B34	23B35	23B35	23B35	23B35	23B36	23B36	23B36	23B36
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	10/18/1996	10/22/1996	10/22/1996	10/22/1996	10/22/1996	10/18/1996	10/18/1996	10/18/1996	10/18/1996
	Sample Depth:	5 - 7	1.5 - 2	10.5 - 11	13 - 13.5	7 - 7.5	1 - 3	5 - 7	11 - 12	13 - 15
Volatile Organic Compounds	**Units**									
1,1,1-Trichloroethane	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethane	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,1-Dichloroethene	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Butanone	ug/kg	6 U	**3 J**	6 U	6 U	6 U	**3 J**	6 U	**4 J**	6 U
2-Hexanone	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	3 JBU*	**10 J***	**5 J**	**6**	**4 J**	16 BU*	5 JBU*	28 BU*	25 BU*
Carbon disulfide	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	5 UJ*	6 U	6 U	**3 J**	6 U	6 U	6 U	6 U
Methylene chloride	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	3 JBU*	6 U	4 JBU*	4 JBU*
Tetrachloroethene	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg	6 U	5 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	5 UJ*	**3 J**	6 U	**3 J**	6 U	6 U	6 U	6 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-14
VOC Soil Detections
Former Aboveground Storage Tanks
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-319 SS 1/1/2000 1 - 2	S-319 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**		
1,1,1-Trichloroethane	ug/kg	7.1 U	5.2 U
1,1-Dichloroethane	ug/kg		
1,1-Dichloroethene	ug/kg	7.1 U	5.2 U
2-Butanone	ug/kg	**12**	**6.7**
2-Hexanone	ug/kg	**42**	**6.5**
Acetone	ug/kg	**210**	**190**
Carbon disulfide	ug/kg	7.1 U	5.2 U
Carbon tetrachloride	ug/kg	7.1 U	5.2 U
cis-1,2-Dichloroethene	ug/kg	7.1 U	5.2 U
Methylene chloride	ug/kg	21 U	16 U
Tetrachloroethene	ug/kg		
trans-1,2-Dichloroethene	ug/kg	7.1 U	5.2 U
Trichloroethene	ug/kg	**14**	**34**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-14
VOC Mobile Lab Soil Detections
Former Aboveground Storage Tanks
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-301 SB 1/1/2000 1 - 3	S-301 SB 1/1/2000 5 - 7	S-302 SB 1/1/2000 1 - 3	S-302 SB 1/1/2000 5 - 7	S-303 SB 1/1/2000 1 - 3	S-303 SB 1/1/2000 5 - 7	S-319 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.59 U	1.18 U	1.37 U	1.51 U	1.43 U	1.33 U	1.49 U
cis-1,2-Dichloroethene	ug/kg	7.96 U	5.89 U	6.85 U	7.54 U	7.16 U	6.65 U	7.45 U
Tetrachloroethene	ug/kg	1.59 U	1.18 U	1.37 U	1.51 U	1.43 U	1.33 U	1.49 U
Trichloroethene	ug/kg	1.59 U	1.18 U	1.37 U	1.51 U	1.43 U	1.33 U	**7.03**

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-319 SB 1/1/2000 4 - 6	S-320 SB 1/1/2000 1 - 3	S-320 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**			
Carbon tetrachloride	ug/kg	0.92 U	1.22 U	1.1 U
cis-1,2-Dichloroethene	ug/kg	4.6 U	6.12 U	5.51 U
Tetrachloroethene	ug/kg	0.92 U	1.22 U	1.1 U
Trichloroethene	ug/kg	**4.59**	1.22 U	1.1 U

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
U - Qualified as undetected

Table 6-14
SVOC Soil Detections
Former Aboveground Storage Tanks
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-141 SS 1/1/2000 0 - 0.5	SS-144 SS 1/1/2000 0 - 0.5
Semivolatile Organic Compounds	**Units**		
2,4-Dimethylphenol	ug/kg	**88 J**	340 U
2-Methylnaphthalene	ug/kg	**1100**	340 U
Acenaphthene	ug/kg	**4200 E**	**110 J**
Anthracene	ug/kg	**8800 D**	**190 J**
Benzo(a)anthracene	ug/kg	**16000 D,J***	**810**
Benzo(a)pyrene	ug/kg	**19000 D**	**780**
Benzo(b)fluoranthene	ug/kg	**22000 D**	**1100**
Benzo(g,h,i)perylene	ug/kg	**17000 D**	**630**
Benzo(k)fluoranthene	ug/kg	**11000 D**	**590 J***
bis(2-Ethylhexyl)phthalate	ug/kg	**620 J***	340 U
Butyl benzyl phthalate	ug/kg	**4800 J***	340 U
Carbazole	ug/kg	**4800 E**	**120 J**
Chrysene	ug/kg	**18000 D,J***	**1100**
Dibenz(a,h)anthracene	ug/kg	**2000**	**160 J**
Dibenzofuran	ug/kg	**2300**	340 U
Di-n-butylphthalate	ug/kg	**440**	**54 J**
Di-n-octylphthalate	ug/kg	350 U	340 U
Fluoranthene	ug/kg	**47000 D**	**1700**
Fluorene	ug/kg	**3100 E**	**67 J**
Indeno(1,2,3-cd)pyrene	ug/kg	**2400**	**650**
Naphthalene	ug/kg	**2500**	340 U
N-Nitrosodiphenylamine	ug/kg	**280 J**	340 U
Phenanthrene	ug/kg	**40000 D**	**1000**
Pyrene	ug/kg	**39000 D,J***	**1600**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
D - Diluted for analysis
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-14
Inorganic Soil Detections
Former Aboveground Storage Tanks
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-141 SS 1/1/2000 0 - 0.5	SS-144 SS 1/1/2000 0 - 0.5
Inorganics	**Units**		
Aluminum	mg/kg	**15600 J***	**16900 J***
Arsenic	mg/kg	**4.68**	**3.34**
Beryllium	mg/kg	**0.757**	**0.863**
Cadmium	mg/kg	**9.26**	**1.42**
Chromium	mg/kg	**54.9**	**20.1**
Cobalt	mg/kg	**7.96**	**6.88**
Copper	mg/kg	**45.1 J***	**16.4 J***
Lead	mg/kg	**792 J***	**86.5 J***
Manganese	mg/kg	**420**	**435**
Mercury	mg/kg	**1.74**	0.161 U
Nickel	mg/kg	**25**	**15.5**
Selenium	mg/kg	**3.78**	**3.78**
Vanadium	mg/kg	**36.1**	**34.4**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
U - Qualified as undetected
J - Qualified as estimated
* - Qualified in QC evaluation

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04B01 SB 05/31/1996 1 - 4	04B01 SB 05/31/1996 4 - 8	04B01 SB 05/31/1996 8 - 12	04B02 SB 05/31/1996 1 - 4	04B02 SB 05/31/1996 4 - 8	04B02 SB 05/31/1996 8 - 12	04B03 SB 05/31/1996 1 - 4	04B03 SB 05/31/1996 4 - 8
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-Trichlorobenzene	ug/kg								
1,2,4-Trichlorobenzene	ug/kg								
1,2,4-Trimethylbenzene	ug/kg								
1,2-Dichloropropane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-Trimethylbenzene	ug/kg								
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	6 U	6 U	**31**	6 U	6 U	6 U	6 U	6 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	**3 J**	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Isopropylbenzene	ug/kg								
Methylene chloride	ug/kg	6 U	6 U	6 U	6 U	**2 J**	6 U	6 U	6 JBU*
Naphthalene	ug/kg								
n-Butylbenzene	ug/kg								
n-Propylbenzene	ug/kg								
p-Isopropyltoluene	ug/kg								
sec-Butylbenzene	ug/kg								
tert-Butylbenzene	ug/kg								
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/kg	6 U	6 U	6 U	6 U	**4 J**	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	**4 J**	**42**	6 U	6 U	6 U	6 U	**4 J**	6 U
Vinyl chloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylenes (total)	ug/kg								

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04B04 SB 05/31/1996 1 - 4	04B04 SB 05/31/1996 4 - 8	04B05 SB 05/31/1996 1 - 4	04B05 SB 05/31/1996 1 - 4	04B05 SB 05/31/1996 4 - 8	04B05 SB 05/31/1996 8 - 11.5	04B06 SB 06/04/1996 1.3 - 4	04B06 SB 06/04/1996 4 - 8
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,2,3-Trichlorobenzene	ug/kg								
1,2,4-Trichlorobenzene	ug/kg								
1,2,4-Trimethylbenzene	ug/kg								
1,2-Dichloropropane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,3,5-Trimethylbenzene	ug/kg								
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**53**	6 U
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Acetone	ug/kg	**110**	6 U	**79**	**120**	**120**	6 U	**200**	**300 E**
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**5 J**	6 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**10**	**170**
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Isopropylbenzene	ug/kg								
Methylene chloride	ug/kg	6 U	10 BU*	6 U	6 U	6 U	6 U	11 BU*	9 BU*
Naphthalene	ug/kg								
n-Butylbenzene	ug/kg								
n-Propylbenzene	ug/kg								
p-Isopropyltoluene	ug/kg								
sec-Butylbenzene	ug/kg								
tert-Butylbenzene	ug/kg								
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Toluene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl chloride	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Xylenes (total)	ug/kg								

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04B09 SB 10/22/1996 2 - 2.5	04B09 SB 10/22/1996 6 - 7	04B09 SB 10/22/1996 6 - 7	04B09 SB 10/22/1996 11 - 11.5	04B10 SB 10/17/1996 1 - 2	04B10 SB 10/17/1996 5 - 6	04B10 SB 10/17/1996 8 - 9	04S01 SS 05/20/1996 0 - 1
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
1,2,3-Trichlorobenzene	ug/kg								
1,2,4-Trichlorobenzene	ug/kg								
1,2,4-Trimethylbenzene	ug/kg								
1,2-Dichloropropane	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
1,3,5-Trimethylbenzene	ug/kg								
2-Butanone	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
2-Hexanone	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Acetone	ug/kg	9 BU*	9 BU*	7 BU*	10 BU*	3 JBU*	4 JBU*	14 BU*	6 UJ*
Benzene	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Carbon disulfide	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Carbon tetrachloride	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
cis-1,2-Dichloroethene	ug/kg	**4 J**	6 U	6 U	**46**	6 U	6 U	6 U	6 UJ*
Ethylbenzene	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Isopropylbenzene	ug/kg								
Methylene chloride	ug/kg	7 U	6 U	6 U	6 U	6 U	**2 JF**	**3 JF**	**6 J***
Naphthalene	ug/kg								
n-Butylbenzene	ug/kg								
n-Propylbenzene	ug/kg								
p-Isopropyltoluene	ug/kg								
sec-Butylbenzene	ug/kg								
tert-Butylbenzene	ug/kg								
Tetrachloroethene	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Toluene	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
trans-1,2-Dichloroethene	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Trichloroethene	ug/kg	7 U	6 U	6 U	**26**	6 U	6 U	6 U	6 UJ*
Vinyl chloride	ug/kg	7 U	6 U	6 U	6 U	6 U	6 U	6 U	6 UJ*
Xylenes (total)	ug/kg								

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04S02 SS 05/20/1996 0 - 1	04S03 SS 05/20/1996 0 - 1	04S04 SS 05/21/1996 0 - 1	04S05 SS 05/21/1996 0 - 1	04S23 SD 04/16/1997 0 - 0.5	11B04 SB 10/17/1996 1 - 3	11B04 SB 10/17/1996 5 - 7	GPS-D05-004 SB 07/23/2003 4
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	5.1 U
1,2,3-Trichlorobenzene	ug/kg								3 U
1,2,4-Trichlorobenzene	ug/kg								5.1 U
1,2,4-Trimethylbenzene	ug/kg								3 U
1,2-Dichloropropane	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	3 U
1,3,5-Trimethylbenzene	ug/kg								3 U
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	**2 J**	6 U	10 U
2-Hexanone	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	10 UJ
Acetone	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	17 BU*	6 JBU*	10 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	3 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	5.1 U
Carbon tetrachloride	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	3 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	**100 J***	6 U	6 U	5.1 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	3 U
Isopropylbenzene	ug/kg								3 U
Methylene chloride	ug/kg	**4 J**	6 U	6 U	6 BU*	**26 J***	6 U	6 U	5.1 U
Naphthalene	ug/kg								10 U
n-Butylbenzene	ug/kg								3 U
n-Propylbenzene	ug/kg								3 U
p-Isopropyltoluene	ug/kg								3 U
sec-Butylbenzene	ug/kg								3 U
tert-Butylbenzene	ug/kg								3 U
Tetrachloroethene	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	3 U
Toluene	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	5.1 U
trans-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	**12 J***	6 U	6 U	3 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	11 UJ*	6 U	6 U	**1.9 J**
Vinyl chloride	ug/kg	6 U	6 U	6 U	6 U	**59 J***	6 U	6 U	5.1 U
Xylenes (total)	ug/kg								10 U

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D05-008 SB 07/23/2003 8	GPS-D05-012 SB 07/23/2003 12	GPS-D06-004 SB 07/22/2003 4	GPS-D06-008 SB 07/22/2003 8	GPS-D06-008-DL SB 07/22/2003 8	GPS-D06-012 SB 07/22/2003 12	GPS-D06-012-DL1 SB 07/22/2003 12
Volatile Organic Compounds	**Units**							
1,1-Dichloroethene	ug/kg	5.3 U	5.3 U	5.6 U	5.3 U	540 R	**1.7 J**	650 R
1,2,3-Trichlorobenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	**3.7 J**	390 R
1,2,4-Trichlorobenzene	ug/kg	5.3 U	5.3 U	5.6 U	5.3 U	540 R	**3.3 J**	650 R
1,2,4-Trimethylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	**4.2**	390 R
1,2-Dichloropropane	ug/kg	3.2 U	3.2 U	3.3 U	**5.5**	330 R	**110**	390 R
1,3,5-Trimethylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
2-Butanone	ug/kg	11 U	11 U	11 U	11 U	1100 R	**4.8 J**	1300 R
2-Hexanone	ug/kg	11 UJ	11 UJ	11 UJ	11 UJ	1100 R	13 U	1300 R
Acetone	ug/kg	11 U	11 U	11 U	11 U	1100 R	41 U	1300 R
Benzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	**1.8 J**	390 R
Carbon disulfide	ug/kg	5.3 U	5.3 U	5.6 U	5.3 U	540 R	**17**	650 R
Carbon tetrachloride	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
cis-1,2-Dichloroethene	ug/kg	5.3 U	**2.1 J**	**5.7**	**78**	540 R	6.5 R	**2700**
Ethylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
Isopropylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
Methylene chloride	ug/kg	5.3 U	5.3 U	5.6 U	5.3 U	540 R	6.5 U	650 R
Naphthalene	ug/kg	11 U	11 U	11 U	11 U	1100 R	**16**	1300 R
n-Butylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	**1.3 J**	390 R
n-Propylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
p-Isopropyltoluene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
sec-Butylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	**1.6 J**	390 R
tert-Butylbenzene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
Tetrachloroethene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	3.9 U	390 R
Toluene	ug/kg	5.3 U	5.3 U	5.6 U	5.3 U	540 R	**2 J**	650 R
trans-1,2-Dichloroethene	ug/kg	3.2 U	3.2 U	3.3 U	3.2 U	330 R	**6.2**	390 R
Trichloroethene	ug/kg	3.2 U	3.2 U	**170**	3.2 R	**5200**	3.9 R	390 R
Vinyl chloride	ug/kg	5.3 U	5.3 U	5.6 U	5.3 U	540 R	6.5 U	650 R
Xylenes (total)	ug/kg	11 U	11 U	11 U	11 U	1100 R	**3 J**	1300 R

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D06-012-DL2 SB 07/22/2003 12	GPS-D07-004 SB 07/23/2003 4	GPS-D07-008 SB 07/23/2003 8	GPS-D07-008-RE SB 07/23/2003 8	GPS-D07-012 SB 07/23/2003 12	GPS-D07-012-DL1 SB 07/23/2003 12	GPS-D07-012-DL2 SB 07/23/2003 12
Volatile Organic Compounds	**Units**							
1,1-Dichloroethene	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	5.5 U	290 R	2900 R
1,2,3-Trichlorobenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 U	170 R	1700 R
1,2,4-Trichlorobenzene	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	5.5 U	290 R	2900 R
1,2,4-Trimethylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	170 R	**45000**
1,2-Dichloropropane	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 U	170 R	1700 R
1,3,5-Trimethylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	**280**	1700 R
2-Butanone	ug/kg	65000 R	**6.9 J**	9.7 U	11 R	**5.7 J**	580 R	5800 R
2-Hexanone	ug/kg	65000 R	9.2 UJ	9.7 UJ	11 R	11 UJ	580 R	5800 R
Acetone	ug/kg	65000 R	42 U	9.7 U	11 R	21 U	580 R	5800 R
Benzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 U	170 R	1700 R
Carbon disulfide	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	**2 J**	290 R	2900 R
Carbon tetrachloride	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 U	170 R	1700 R
cis-1,2-Dichloroethene	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	**5.9**	290 R	2900 R
Ethylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	**65 J**	1700 R
Isopropylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	**420**	1700 R
Methylene chloride	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	5.5 U	290 R	2900 R
Naphthalene	ug/kg	65000 R	9.2 U	9.7 U	11 R	11 R	580 R	**4900 J**
n-Butylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	170 R	**8400**
n-Propylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	170 R	**1900**
p-Isopropyltoluene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	170 R	**8600**
sec-Butylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 R	170 R	**4300**
tert-Butylbenzene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	**13**	170 R	1700 R
Tetrachloroethene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 U	170 R	1700 R
Toluene	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	5.5 U	290 R	2900 R
trans-1,2-Dichloroethene	ug/kg	19000 R	2.7 U	2.9 U	3.3 R	3.3 U	170 R	1700 R
Trichloroethene	ug/kg	**65000**	2.7 U	2.9 U	3.3 R	**5.2**	170 R	1700 R
Vinyl chloride	ug/kg	32000 R	4.6 U	4.9 U	5.6 R	5.5 U	290 R	2900 R
Xylenes (total)	ug/kg	65000 R	9.2 U	9.7 U	11 R	11 R	**1000**	5800 R

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D08-004 SB 07/23/2003 4	GPS-D08-008 SB 07/23/2003 8	GPS-D08-012 SB 07/23/2003 12	GPS-D08-208 SB 07/23/2003 8	GPS-D11-005 SB 07/25/2003 5	PSS-D05-001 SB 05/04/2004 1	PSS-D06-001 SB 05/04/2004 1	PSS-D07-001 SB 05/04/2004 1
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	5.1 U	7.77 U	8.18 U	8.64 U
1,2,3-Trichlorobenzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
1,2,4-Trichlorobenzene	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	5.1 U	7.77 U	8.18 U	8.64 U
1,2,4-Trimethylbenzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
1,2-Dichloropropane	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
1,3,5-Trimethylbenzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
2-Butanone	ug/kg	**7.1 J**	11 U	11 U	12 U	10 U	7.77 U	8.18 U	8.64 U
2-Hexanone	ug/kg	9.6 UJ	11 UJ	11 UJ	12 UJ	10 U	7.77 U	8.18 U	8.64 U
Acetone	ug/kg	78 U	23 U	11 U	12 U	**30**	7.77 U	8.18 U	8.64 U
Benzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
Carbon disulfide	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	5.1 U	7.77 U	8.18 U	8.64 U
Carbon tetrachloride	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
cis-1,2-Dichloroethene	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	**7.7**	7.77 U	8.18 U	**0.91 J**
Ethylbenzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
Isopropylbenzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
Methylene chloride	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	5.1 U	7.77 U	8.18 U	8.64 U
Naphthalene	ug/kg	9.6 U	11 U	11 U	12 U	10 U	7.77 U	8.18 U	8.64 U
n-Butylbenzene	ug/kg	2.9 U	3.3 U	**16**	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
n-Propylbenzene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
p-Isopropyltoluene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
sec-Butylbenzene	ug/kg	2.9 U	3.3 U	**9.8**	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
tert-Butylbenzene	ug/kg	2.9 U	3.3 U	**1.7 J**	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
Tetrachloroethene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
Toluene	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	5.1 U	7.77 U	8.18 U	8.64 U
trans-1,2-Dichloroethene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	3.1 U	7.77 U	8.18 U	8.64 U
Trichloroethene	ug/kg	2.9 U	3.3 U	3.2 U	3.5 U	**82**	**1.95 J**	**1.92 J**	**26.5**
Vinyl chloride	ug/kg	4.8 U	5.4 U	5.4 U	5.8 U	5.1 U	7.77 U	8.18 U	8.64 U
Xylenes (total)	ug/kg	9.6 U	11 U	11 U	12 U	10 U			

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	PSS-D08-001 SB 05/04/2004 1	PSS-D09-001 SB 05/04/2004 1	PSS-D10-001 SB 05/04/2004 1	S-090 SS 1/1/2000 1 - 2	S-090 SB 1/1/2000 5 - 7	S-090 SB 1/1/2000 9 - 10	S-094 SS 1/1/2000 1 - 2	S-094 SB 1/1/2000 5 - 7
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	3.6 U	4 U	29 U
1,2,3-Trichlorobenzene	ug/kg	8.11 U	8.65 U	8.63 U					
1,2,4-Trichlorobenzene	ug/kg	8.11 U	8.65 U	8.63 U					
1,2,4-Trimethylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
1,2-Dichloropropane	ug/kg	8.11 U	8.65 U	8.63 U					
1,3,5-Trimethylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
2-Butanone	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	**3.6**	**9.3**	29 U
2-Hexanone	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	3.6 U	4 U	29 U
Acetone	ug/kg	8.11 U	8.65 U	8.63 U	**19**	51 U	**15**	**47**	58 U
Benzene	ug/kg	8.11 U	8.65 U	8.63 U					
Carbon disulfide	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	3.6 U	4 U	29 U
Carbon tetrachloride	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	3.6 U	4 U	29 U
cis-1,2-Dichloroethene	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	**4**	4 U	**92**
Ethylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
Isopropylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
Methylene chloride	ug/kg	8.11 U	8.65 U	8.63 U	5.8 U	**560 J**	7.1 U	7.9 U	58 U
Naphthalene	ug/kg	8.11 U	8.65 U	8.63 U					
n-Butylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
n-Propylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
p-Isopropyltoluene	ug/kg	8.11 U	8.65 U	8.63 U					
sec-Butylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
tert-Butylbenzene	ug/kg	8.11 U	8.65 U	8.63 U					
Tetrachloroethene	ug/kg	8.11 U	8.65 U	8.63 U					
Toluene	ug/kg	8.11 U	8.65 U	8.63 U					
trans-1,2-Dichloroethene	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	3.6 U	4 U	29 U
Trichloroethene	ug/kg	8.11 U	8.65 U	**1.1 J**	**10**	**140**	**23**	**49**	**770**
Vinyl chloride	ug/kg	8.11 U	8.65 U	8.63 U	2.9 U	25 U	3.6 U	4 U	29 U
Xylenes (total)	ug/kg								

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-102 SS 1/1/2000 1 - 2	S-102 SB 1/1/2000 5 - 7	S-102 SB 1/1/2000 9 - 11	S-121 SS 1/1/2000 1 - 2	S-121 SB 1/1/2000 5 - 7	S-121 SB 1/1/2000 9 - 11	S-124 SS 1/1/2000 1 - 2	S-240 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	4.6 U	3.4 U	3.2 U	5 U	4.1 U	24 U	4.4 U	4.6 U
1,2,3-Trichlorobenzene	ug/kg								
1,2,4-Trichlorobenzene	ug/kg								
1,2,4-Trimethylbenzene	ug/kg								
1,2-Dichloropropane	ug/kg								
1,3,5-Trimethylbenzene	ug/kg								
2-Butanone	ug/kg	**8.8**	3.4 U	**8.4**	**5.6**	4.1 U	24 U	**7.7**	**7.2**
2-Hexanone	ug/kg	4.6 U	3.4 U	3.2 U	**7.7**	4.1 U	24 U	**7.6**	4.6 U
Acetone	ug/kg	**28**	**17**	**33**	**59 J**	**18 J**	49 U	**28**	**28**
Benzene	ug/kg								
Carbon disulfide	ug/kg	4.6 U	3.4 U	3.2 U	5 U	4.1 U	24 U	**6.5**	**9.5**
Carbon tetrachloride	ug/kg	4.6 U	3.4 U	3.2 U	5 U	4.1 U	24 U	4.4 U	4.6 U
cis-1,2-Dichloroethene	ug/kg	4.6 U	3.4 U	3.2 U	5 U	4.1 U	24 U	4.4 U	**190**
Ethylbenzene	ug/kg								
Isopropylbenzene	ug/kg								
Methylene chloride	ug/kg	9.1 U	6.7 U	9.5 U	15 U	12 U	49 U	8.7 U	14 U
Naphthalene	ug/kg								
n-Butylbenzene	ug/kg								
n-Propylbenzene	ug/kg								
p-Isopropyltoluene	ug/kg								
sec-Butylbenzene	ug/kg								
tert-Butylbenzene	ug/kg								
Tetrachloroethene	ug/kg								
Toluene	ug/kg								
trans-1,2-Dichloroethene	ug/kg	4.6 U	3.4 U	3.2 U	5 U	4.1 U	24 U	4.4 U	**140**
Trichloroethene	ug/kg	4.6 U	3.4 U	3.2 U	5 U	**7.3**	**190**	4.4 U	**8.8**
Vinyl chloride	ug/kg	4.6 U	3.4 U	3.2 U	5 U	4.1 U	24 U	4.4 U	**15**
Xylenes (total)	ug/kg								

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-240 SB 1/1/2000 3 - 5	S-242 SB 1/1/2000 1 - 3	S-242 SB 1/1/2000 3 - 5	S-255 SS 1/1/2000 1 - 2	S-255 SB 1/1/2000 3 - 5	04S23 SD 04/16/19970 0 - 0.5	04S30 SD 07/16/1997 0 - 0.5	04S31 SD 07/16/1997 0 - 0.5
Volatile Organic Compounds	**Units**								
1,1-Dichloroethene	ug/kg	3.6 U	3.6 U	4.1 U	4.2 U	3.7 U	11 UJ*	9 UJ*	11 UJ*
1,2,3-Trichlorobenzene	ug/kg								
1,2,4-Trichlorobenzene	ug/kg								
1,2,4-Trimethylbenzene	ug/kg								
1,2-Dichloropropane	ug/kg						11 UJ*	9 UJ*	11 UJ*
1,3,5-Trimethylbenzene	ug/kg								
2-Butanone	ug/kg	**11**	3.6 U	**5**	**8.4**	**11**	11 UJ*	9 UJ*	11 UJ*
2-Hexanone	ug/kg	3.6 U	3.6 U	4.1 U	4.2 U	3.7 U	11 UJ*	9 UJ*	11 UJ*
Acetone	ug/kg	**43**	**15**	**36**	**44**	**51**	11 UJ*	9 UJ*	11 UJ*
Benzene	ug/kg						11 UJ*	9 UJ*	11 UJ*
Carbon disulfide	ug/kg	3.6 U	3.6 U	4.1 U	4.2 U	3.7 U	11 UJ*	9 UJ*	11 UJ*
Carbon tetrachloride	ug/kg	3.6 U	3.6 U	4.1 U	4.2 U	3.7 U	11 UJ*	9 UJ*	11 UJ*
cis-1,2-Dichloroethene	ug/kg	**210**	**18**	**27**	**16**	**71**	**100 J***	9 UJ*	11 UJ*
Ethylbenzene	ug/kg						11 UJ*	9 UJ*	11 UJ*
Isopropylbenzene	ug/kg								
Methylene chloride	ug/kg	11 U	11 U	12 U	13 U	11 U	**26 J***	**5 J**	**9 J**
Naphthalene	ug/kg								
n-Butylbenzene	ug/kg								
n-Propylbenzene	ug/kg								
p-Isopropyltoluene	ug/kg								
sec-Butylbenzene	ug/kg								
tert-Butylbenzene	ug/kg								
Tetrachloroethene	ug/kg						11 UJ*	9 UJ*	11 UJ*
Toluene	ug/kg						11 UJ*	9 UJ*	**75 FJ***
trans-1,2-Dichloroethene	ug/kg	**94**	**23**	**10**	4.2 U	3.7 U	**12 J***	9 UJ*	11 UJ*
Trichloroethene	ug/kg	**120**	**380**	**280**	4.2 U	3.7 U	11 UJ*	9 UJ*	11 UJ*
Vinyl chloride	ug/kg	**31**	3.6 U	4.1 U	4.2 U	3.7 U	**59 J***	9 UJ*	11 UJ*
Xylenes (total)	ug/kg								

Table 6-15
VOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04S23[1] SW 04/16/1997	04S30[1] SW 07/16/1997	04S31[1] SW 07/16/1997
Volatile Organic Compounds	**Units**			
1,1-Dichloroethene	ug/kg	1 U	1 U	1 U
1,2,3-Trichlorobenzene	ug/kg			
1,2,4-Trichlorobenzene	ug/kg			
1,2,4-Trimethylbenzene	ug/kg			
1,2-Dichloropropane	ug/kg	1 U	1 U	1 U
1,3,5-Trimethylbenzene	ug/kg			
2-Butanone	ug/kg	5 U	5 U	5 U
2-Hexanone	ug/kg	5 U	5 U	5 U
Acetone	ug/kg	5 U	5 U	**11**
Benzene	ug/kg	1 U	1 U	1 U
Carbon disulfide	ug/kg	1 U	1 U	1 U
Carbon tetrachloride	ug/kg	1 U	1 U	1 U
cis-1,2-Dichloroethene	ug/kg	**3**	1 U	1 U
Ethylbenzene	ug/kg	1 U	1 U	1 U
Isopropylbenzene	ug/kg			
Methylene chloride	ug/kg	1 U	1 U	1 U
Naphthalene	ug/kg			
n-Butylbenzene	ug/kg			
n-Propylbenzene	ug/kg			
p-Isopropyltoluene	ug/kg			
sec-Butylbenzene	ug/kg			
tert-Butylbenzene	ug/kg			
Tetrachloroethene	ug/kg	1 U	1 U	1 U
Toluene	ug/kg	1 U	1 U	1 U
trans-1,2-Dichloroethene	ug/kg	**0.6 J**	1 U	1 U
Trichloroethene	ug/kg	**10**	1 U	1 U
Vinyl chloride	ug/kg	1 U	1 U	1 U
Xylenes (total)	ug/kg			

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SE - Sediment
SW - Surface Water
1 - Surface water results displayed with units of μg/L.
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-033 SB 1/1/2000 1 - 3	S-033 SB 1/1/2000 4 - 6	S-033 SB 1/1/2000 7 - 9	S-033 SB 1/1/2000 10 - 12	S-034 SB 1/1/2000 1 - 3	S-035 SB 1/1/2000 1 - 3	S-035 SB 1/1/2000 3 - 5
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.27 U	1.18 U	1.32 U	1.38 U	1.31 U	1.28 U	1.21 U
cis-1,2-Dichloroethene	ug/kg	6.34 U	5.89 U	6.58 U	6.92 U	6.54 U	6.41 U	6.05 U
Tetrachloroethene	ug/kg	1.27 U	1.18 U	1.32 U	1.38 U	1.31 U	1.28 U	1.21 U
Trichloroethene	ug/kg	1.27 U	1.18 U	1.32 U	**7.77**	1.31 U	1.28 U	1.21 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-035 SB 1/1/2000 5 - 7	S-035 SB 1/1/2000 7 - 9	S-035 SB 1/1/2000 9 - 11	S-036 SB 1/1/2000 1 - 3	S-037 SB 1/1/2000 1 - 3	S-037 SB 1/1/2000 5 - 7	S-038 SB 1/1/2000 2 - 4
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.14 U	1.23 U	1.14 U	1.49 U	1.31 U	1.29 U	1.18 U
cis-1,2-Dichloroethene	ug/kg	**44.4**	**619**	**688**	7.44 U	6.57 U	6.44 U	5.91 U
Tetrachloroethene	ug/kg	1.14 U	1.23 U	1.14 U	1.49 U	1.31 U	1.29 U	1.18 U
Trichloroethene	ug/kg	1.14 U	1.23 U	1.14 U	1.49 U	1.31 U	1.29 U	1.18 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-039 SB 1/1/2000 1 - 3	S-039 SB 1/1/2000 5 - 7	S-040 SB 1/1/2000 2 - 4	S-041 SB 1/1/2000 1 - 3	S-041 SB 1/1/2000 5 - 7	S-042 SB 1/1/2000 1 - 3	S-042 SB 1/1/2000 5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.19 U	1.3 U	1.08 U	1.21 U	1.21 U	1.01 U	0.98 U
cis-1,2-Dichloroethene	ug/kg	5.97 U	6.48 U	5.42 U	6.04 U	6.03 U	5.03 U	4.89 U
Tetrachloroethene	ug/kg	1.19 U	1.3 U	1.08 U	1.21 U	1.21 U	1.01 U	0.98 U
Trichloroethene	ug/kg	1.19 U	1.3 U	1.08 U	1.21 U	1.21 U	1.01 U	**7.33**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-042 SB 1/1/2000 9 - 11	S-043 SB 1/1/2000 1 - 3	S-043 SB 1/1/2000 5 - 7	S-043 SB 1/1/2000 9 - 11	S-044 SB 1/1/2000 1 - 3	S-045 SB 1/1/2000 5 - 7	S-045 SB 1/1/2000 9 - 11
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.89 U	1.03 U	0.95 U	0.97 U	0.99 U	0.94 U	1.18 U
cis-1,2-Dichloroethene	ug/kg	4.46 U	5.14 U	4.74 U	**31.5**	4.93 U	4.69 U	5.92 U
Tetrachloroethene	ug/kg	0.89 U	1.03 U	0.95 U	0.97 U	0.99 U	0.94 U	1.18 U
Trichloroethene	ug/kg	**24.2**	**2.11**	**6.09**	**234**	0.99 U	0.94 U	1.18 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-046 SB 1/1/2000 1 - 3	S-047 SB 1/1/2000 1 - 3	S-047 SB 1/1/2000 5 - 7	S-047 SB 1/1/2000 9 - 11	S-048 SB 1/1/2000 2 - 4	S-049 SB 1/1/2000 2 - 4	S-050 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.23 U	0.9 U	1.13 U	1.07 U	0.92 U	1.15 U	1.13 U
cis-1,2-Dichloroethene	ug/kg	6.13 U	4.5 U	5.65 U	**7.53**	4.58 U	5.77 U	5.64 U
Tetrachloroethene	ug/kg	1.23 U	0.9 U	1.13 U	1.07 U	0.92 U	1.15 U	1.13 U
Trichloroethene	ug/kg	1.23 U	0.9 U	1.13 U	1.07 U	0.92 U	1.15 U	1.13 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-050 SB 1/1/2000 5 - 7	S-050 SB 1/1/2000 9 - 11	S-050 SB 1/1/2000 13 - 14	S-051 SB 1/1/2000 2 - 4	S-051 SB 1/1/2000 6 - 8	S-051 SB 1/1/2000 10 - 12	S-052 SB 1/1/2000 2 - 4
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.97 U	1.25 U	1.61 U	1.23 U	1.27 U	1.19 U	1.14 U
cis-1,2-Dichloroethene	ug/kg	4.83 U	6.23 U	8.03 U	6.17 U	6.36 U	5.94 U	5.69 U
Tetrachloroethene	ug/kg	0.97 U	1.25 U	1.61 U	1.23 U	1.27 U	1.19 U	1.14 U
Trichloroethene	ug/kg	0.97 U	1.25 U	1.61 U	1.23 U	1.27 U	1.19 U	1.14 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-052 SB 1/1/2000 6 - 8	S-052 SB 1/1/2000 10 - 11.5	S-053 SB 1/1/2000 2 - 4	S-053 SB 1/1/2000 6 - 8	S-054 SB 1/1/2000 2 - 4	S-054 SB 1/1/2000 6 - 8	S-055 SB 1/1/2000 2 - 4
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.19 U	1.24 U	1.16 U	1.26 U	1.2 U	1.24 U	1.19 U
cis-1,2-Dichloroethene	ug/kg	5.95 U	6.19 U	5.8 U	6.29 U	6.02 U	6.2 U	5.95 U
Tetrachloroethene	ug/kg	1.19 U	1.24 U	1.16 U	1.26 U	1.2 U	1.24 U	1.19 U
Trichloroethene	ug/kg	1.19 U	1.24 U	1.16 U	1.26 U	1.2 U	1.24 U	1.19 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-055 SB 1/1/2000 6 - 8	S-056 SB 1/1/2000 0 - 2	S-057 SB 1/1/2000 0 - 2	S-058 SB 1/1/2000 0 - 2	S-059 SB 1/1/2000 0 - 2	S-060 SB 1/1/2000 0 - 2	S-061 SB 1/1/2000 0 - 2
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.03 U	0.94 U	1.13 U	1.25 U	0.99 U	1.17 U	1.29 U
cis-1,2-Dichloroethene	ug/kg	5.15 U	4.69 U	5.65 U	6.23 U	4.95 U	5.87 U	6.44 U
Tetrachloroethene	ug/kg	1.03 U	0.94 U	1.13 U	1.25 U	0.99 U	1.17 U	1.29 U
Trichloroethene	ug/kg	1.03 U	**3.78**	**1.3**	1.25 U	0.99 U	1.17 U	1.29 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-061 SB 1/1/2000 2 - 3	S-062 SB 1/1/2000 0 - 2	S-063 SB 1/1/2000 0 - 2	S-064 SB 1/1/2000 0 - 1.5	S-065 SB 1/1/2000 0 - 2	S-089 SB 1/1/2000 1 - 3	S-089 SB 1/1/2000 5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.25 U	1.44 U	1.58 U	1.15 U	1.7 U	0.93 U	0.99 U
cis-1,2-Dichloroethene	ug/kg	6.23 U	7.19 U	7.92 U	5.73 U	8.49 U	4.64 U	4.97 U
Tetrachloroethene	ug/kg	1.25 U	1.44 U	1.58 U	1.15 U	1.7 U	0.93 U	0.99 U
Trichloroethene	ug/kg	1.25 U	1.44 U	1.58 U	1.15 U	1.7 U	0.93 U	0.99 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-089 / SB / 1/1/2000 / 9 - 11	S-090 / SB / 1/1/2000 / 1 - 3	S-090 / SB / 1/1/2000 / 5 - 7	S-090 / SB / 1/1/2000 / 9 - 11	S-091 / SB / 1/1/2000 / 1 - 3	S-091 / SB / 1/1/2000 / 5 - 7	S-091 / SB / 1/1/2000 / 9 - 11
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.07 U	1.02 U	0.97 U	1.01 U	1 U	1.13 U	1.03 U
cis-1,2-Dichloroethene	ug/kg	5.35 U	5.1 U	**101 D**	5.07 U	5 U	5.64 U	**32.2**
Tetrachloroethene	ug/kg	1.07 U	1.02 U	0.97 U	1.01 U	1 U	1.13 U	1.03 U
Trichloroethene	ug/kg	1.07 U	**32.8**	**946**	**15.8**	**1.16**	1.13 U	**201**

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-092 / SB / 1/1/2000 / 1 - 3	S-092 / SB / 1/1/2000 / 5 - 7	S-092 / SB / 1/1/2000 / 9 - 11	S-093 / SB / 1/1/2000 / 1 - 3	S-093 / SB / 1/1/2000 / 5 - 7	S-093 / SB / 1/1/2000 / 9 - 11	S-094 / SB / 1/1/2000 / 1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1 U	0.93 U	0.98 U	1.07 U	1.02 U	1.13 U	1.63 U
cis-1,2-Dichloroethene	ug/kg	5 U	4.63 U	**20.3**	5.35 U	5.08 U	**51.1**	8.17 U
Tetrachloroethene	ug/kg	1 U	0.93 U	0.98 U	1.07 U	1.02 U	1.13 U	1.63 U
Trichloroethene	ug/kg	**1.65**	**1.75**	**87.1**	1.07 U	1.02 U	**5.55**	**4.05**

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-094 / SB / 1/1/2000 / 5 - 7	S-094 / SB / 1/1/2000 / 9 - 11	S-095 / SB / 1/1/2000 / 1 - 3	S-095 / SB / 1/1/2000 / 5 - 7	S-095 / SB / 1/1/2000 / 9 - 11	S-097 / SB / 1/1/2000 / 1 - 3	S-097 / SB / 1/1/2000 / 5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.94 U	0.99 U	1.32 U	0.97 U	1.15 U	1.15 U	1.08 U
cis-1,2-Dichloroethene	ug/kg	**51.1**	**117 D**	6.61 U	**101 D**	**132 D**	5.76 U	5.4 U
Tetrachloroethene	ug/kg	0.94 U	0.99 U	1.32 U	0.97 U	1.15 U	1.15 U	1.08 U
Trichloroethene	ug/kg	**1670**	**1280**	**6.77**	**1020**	**934**	1.15 U	**26.6**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-097 SB 1/1/2000 9 - 11	S-098 SB 1/1/2000 1 - 3	S-098 SB 1/1/2000 5 - 7	S-098 SB 1/1/2000 9 - 11	S-099 SB 1/1/2000 2 - 4	S-099 SB 1/1/2000 6 - 8	S-099 SB 1/1/2000 10 - 12
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.83 U	1.13 U	1.05 U	1.05 U	1.19 U	1.2 U	1.08 U
cis-1,2-Dichloroethene	ug/kg	4.16 U	5.64 U	5.23 U	5.26 U	5.97 U	6 U	5.39 U
Tetrachloroethene	ug/kg	0.83 U	1.13 U	1.05 U	1.05 U	1.19 U	1.2 U	1.08 U
Trichloroethene	ug/kg	**33.4**	1.13 U	**1.11**	**3.85**	1.19 U	1.2 U	1.08 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-100 SB 1/1/2000 2 - 4	S-100 SB 1/1/2000 6 - 8	S-100 SB 1/1/2000 10 - 12	S-101 SB 1/1/2000 2 - 4	S-101 SB 1/1/2000 6 - 8	S-101 SB 1/1/2000 10 - 12	S-102 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.96 U	1.05 U	1.26 U	1.51 U	0.98 U	1.06 U	1.12 U
cis-1,2-Dichloroethene	ug/kg	4.82 U	5.23 U	6.31 U	7.54 U	4.89 U	5.31 U	5.62 U
Tetrachloroethene	ug/kg	0.96 U	1.05 U	1.26 U	1.51 U	0.98 U	1.06 U	1.12 U
Trichloroethene	ug/kg	0.96 U	1.05 U	**1.56**	1.51 U	0.98 U	**4.39**	1.12 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-102 SB 1/1/2000 5 - 7	S-102 SB 1/1/2000 9 - 11	S-103 SB 1/1/2000 2 - 4	S-103 SB 1/1/2000 6 - 8	S-103 SB 1/1/2000 10 - 12	S-104 SB 1/1/2000 4 - 6	S-104 SB 1/1/2000 8 - 10
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.08 U	1.1 U	0.99 U	1.03 U	1.21 U	0.96 U	1.06 U
cis-1,2-Dichloroethene	ug/kg	5.4 U	5.51 U	4.96 U	5.16 U	6.03 U	4.78 U	**29.6**
Tetrachloroethene	ug/kg	1.08 U	1.1 U	0.99 U	1.03 U	1.21 U	0.96 U	1.06 U
Trichloroethene	ug/kg	1.08 U	**8.86**	0.99 U	1.03 U	1.21 U	0.96 U	1.06 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-104 SB 1/1/2000 12 - 14	S-105 SB 1/1/2000 2 - 4	S-105 SB 1/1/2000 6 - 8	S-105 SB 1/1/2000 10 - 12	S-109 SB 1/1/2000 1 - 3	S-109 SB 1/1/2000 5 - 7	S-109 SB 1/1/2000 9 - 11
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.17 U	0.91 U	1.11 U	1.08 U	1.33 U	1.13 U	1.05 U
cis-1,2-Dichloroethene	ug/kg	**8.16**	4.56 U	5.56 U	5.41 U	6.63 U	**27.5**	**111**
Tetrachloroethene	ug/kg	1.17 U	0.91 U	1.11 U	1.08 U	1.33 U	1.13 U	1.05 U
Trichloroethene	ug/kg	**2.68**	0.91 U	1.11 U	**1.62**	**16.8**	**321**	**1130**

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-110 SB 1/1/2000 1 - 3	S-110 SB 1/1/2000 5 - 7	S-110 SB 1/1/2000 9 - 11	S-111 SB 1/1/2000 1 - 3	S-111 SB 1/1/2000 5 - 7	S-111 SB 1/1/2000 9 - 11	S-113 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.17 U	1.36 U	1 U	1.49 U	1.07 U	1.16 U	1.54 U
cis-1,2-Dichloroethene	ug/kg	5.83 U	**5.76**	**61.2**	7.47 U	5.35 U	5.79 U	7.69 U
Tetrachloroethene	ug/kg	1.17 U	1.36 U	1 U	1.49 U	1.07 U	1.16 U	1.54 U
Trichloroethene	ug/kg	**2.59**	**200**	**181**	1.49 U	1.07 U	1.16 U	1.54 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-113 SB 1/1/2000 5 - 7	S-113 SB 1/1/2000 9 - 11	S-114 SB 1/1/2000 1 - 3	S-114 SB 1/1/2000 5 - 7	S-114 SB 1/1/2000 9 - 11	S-120 SB 1/1/2000 1 - 3	S-120 SB 1/1/2000 5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.11 U	1.09 U	1.59 U	1.17 U	1.15 U	1.26 U	1.14 U
cis-1,2-Dichloroethene	ug/kg	5.53 U	**72.7**	7.95 U	5.85 U	5.73 U	6.3 U	5.68 U
Tetrachloroethene	ug/kg	1.11 U	1.09 U	1.59 U	1.17 U	1.15 U	1.26 U	1.14 U
Trichloroethene	ug/kg	**63.6**	**306**	1.59 U	**1.53**	**23.5**	1.26 U	1.14 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-120 SB 1/1/2000 9 - 11	S-121 SB 1/1/2000 1 - 3	S-121 SB 1/1/2000 5 - 7	S-121 SB 1/1/2000 9 - 11	S-123 SB 1/1/2000 1 - 3	S-123 SB 1/1/2000 5 - 7	S-123 SB 1/1/2000 9 - 11
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.04 U	1.47 U	1.22 U	1.15 U	1.25 U	1.06 U	1.04 U
cis-1,2-Dichloroethene	ug/kg	5.18 U	7.34 U	6.1 U	**141**	6.27 U	5.32 U	5.22 U
Tetrachloroethene	ug/kg	1.04 U	1.47 U	1.22 U	1.15 U	1.25 U	1.06 U	1.04 U
Trichloroethene	ug/kg	**1.51**	**4.02**	**56.1**	**1110**	1.25 U	1.06 U	**18.7**

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-166 SB 1/1/2000 1 - 3	S-166 SB 1/1/2000 5 - 7	S-166 SB 1/1/2000 9 - 11	S-167 SB 1/1/2000 1 - 3	S-167 SB 1/1/2000 3 - 5	S-167 SB 1/1/2000 5 - 7	S-168 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.96 U	1.03 U	1.11 U	1.3 U	1.14 U	1.06 U	1.25 U
cis-1,2-Dichloroethene	ug/kg	**10.4**	5.14 U	5.57 U	6.51 U	5.69 U	5.28 U	6.25 U
Tetrachloroethene	ug/kg	0.96 U	1.03 U	1.11 U	1.3 U	1.14 U	1.06 U	1.25 U
Trichloroethene	ug/kg	0.96 U	1.03 U	1.11 U	1.3 U	1.14 U	1.06 U	1.25 U

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	S-168 SB 1/1/2000 3 - 5	S-168 SB 1/1/2000 5 - 7	S-169 SB 1/1/2000 1 - 3	S-169 SB 1/1/2000 3 - 5	S-169 SB 1/1/2000 5 - 7	S-170 SB 1/1/2000 1 - 3	S-170 SB 1/1/2000 3 - 5
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.08 U	0.9 U	1.04 U	0.93 U	0.83 U	1.11 U	0.94 U
cis-1,2-Dichloroethene	ug/kg	5.42 U	4.52 U	5.19 U	**165 D**	**192 D**	5.55 U	4.7 U
Tetrachloroethene	ug/kg	1.08 U	0.9 U	1.04 U	0.93 U	0.83 U	1.11 U	0.94 U
Trichloroethene	ug/kg	1.08 U	0.9 U	1.04 U	0.93 U	0.83 U	1.11 U	0.94 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-240	S-240	S-240	S-241	S-241	S-241	S-242
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	8 - 10	11 - 13	5 - 7	8 - 10	10.5 - 11.5	2 - 4
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.17 U	1.09 U	1.14 U	1.28 U	1.2 U	1.05 U	1.09 U
cis-1,2-Dichloroethene	ug/kg	**437**	**559 D**	**577 D**	6.42 U	**21.1**	**39.9**	**17.7**
Tetrachloroethene	ug/kg	1.17 U	1.09 U	1.14 U	**1.28**	1.2 U	1.05 U	1.09 U
Trichloroethene	ug/kg	**93.5**	**291 D**	**339 D**	1.28 U	1.2 U	1.05 U	**307**

Analyte	Sample Location:	S-242	S-243	S-243	S-244	S-244	S-245	S-245
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	2 - 4	4 - 6	2 - 4	4 - 6	2 - 4	4.5 - 6.5
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.13 U	1.19 U	1.19 U	1.18 U	1.04 U	0.89 U	1.1 U
cis-1,2-Dichloroethene	ug/kg	**26.5**	**14.9**	**10.8**	5.9 U	**30.3**	**99 D**	**47.9**
Tetrachloroethene	ug/kg	1.13 U	1.19 U	1.19 U	1.18 U	1.04 U	0.89 U	1.1 U
Trichloroethene	ug/kg	**386**	1.19 U	**36.4**	1.18 U	1.04 U	**1.79**	**22.4**

Analyte	Sample Location:	S-246	S-246	S-251	S-251	S-252	S-252	S-255
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	2 - 4	4 - 6	1 - 3	3 - 5	1 - 3	3 - 5	1 - 2
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.97 U	1.26 U	1.11 U	1.31 U	1.18 U	1.08 U	1.33 U
cis-1,2-Dichloroethene	ug/kg	4.87 U	**34.4**	5.57 U	6.54 U	5.88 U	5.41 U	**21.5**
Tetrachloroethene	ug/kg	0.97 U	1.26 U	1.11 U	1.31 U	1.18 U	1.08 U	1.33 U
Trichloroethene	ug/kg	0.97 U	**13.8**	1.11 U	**2.53**	1.18 U	1.08 U	1.33 U

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
VOC Mobile Lab Soil Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-255 SB 1/1/2000 3 - 5	S-290 SB 1/1/2000 1 - 3
Volatile Organic Compounds	**Units**		
Carbon tetrachloride	ug/kg	1.06 U	1.63 U
cis-1,2-Dichloroethene	ug/kg	**83.9**	8.16 U
Tetrachloroethene	ug/kg	1.06 U	1.63 U
Trichloroethene	ug/kg	1.06 U	1.63 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-290 SB 1/1/2000 5 - 7
Volatile Organic Compounds	**Units**	
Carbon tetrachloride	ug/kg	1.49 U
cis-1,2-Dichloroethene	ug/kg	7.46 U
Tetrachloroethene	ug/kg	1.49 U
Trichloroethene	ug/kg	1.49 U

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-290 SB 1/1/2000 9 - 11
Volatile Organic Compounds	**Units**	
Carbon tetrachloride	ug/kg	1.29 U
cis-1,2-Dichloroethene	ug/kg	6.43 U
Tetrachloroethene	ug/kg	1.29 U
Trichloroethene	ug/kg	**1.76**

Notes:

Bold indicates that compound was detected.

SB - Subsurface Soil

U - Qualified as undetected

Table 6-15
SVOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04B01 SB 05/31/1996 1 - 4	04B01 SB 05/31/1996 4 - 8	04B01 SB 05/31/1996 8 - 12	04B02 SB 05/31/1996 1 - 4	04B02 SB 05/31/1996 4 - 8	04B02 SB 05/31/1996 8 - 12	04B03 SB 05/31/1996 1 - 4	04B03 SB 05/31/1996 4 - 8
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
2-Methylnaphthalene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Acenaphthene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Acenaphthylene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Anthracene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Benzo(a)anthracene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Benzo(a)pyrene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Benzo(b)fluoranthene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Benzo(g,h,i)perylene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Benzo(k)fluoranthene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Benzoic Acid	ug/kg	3900 U	4000 U	4000 U	4000 U	4000 U	4200 U	3800 U	4200 U
bis(2-Ethylhexyl)phthalate	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	**140 J**
Butyl benzyl phthalate	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Carbazole	ug/kg								
Chrysene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Dibenz(a,h)anthracene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Dibenzofuran	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Di-n-butylphthalate	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Fluoranthene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Fluorene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Indeno(1,2,3-cd)pyrene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Naphthalene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Phenanthrene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U
Pyrene	ug/kg	800 U	820 U	820 U	810 U	840 U	860 U	800 U	870 U

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

E - Exceeded calibration range

D - Dilution

Table 6-15
SVOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	04B04 SB 05/31/1996 1 - 4	04B04 SB 05/31/1996 4 - 8	04B05 SB 05/31/1996 1 - 4	04B05 SB 05/31/1996 1 - 4	04B05 SB 05/31/1996 4 - 8	04B05 SB 05/31/1996 8 - 11.5	04B06 SB 06/04/1996 1.3 - 4	04B06 SB 06/04/1996 4 - 8
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
2-Methylnaphthalene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Acenaphthene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Acenaphthylene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Anthracene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Benzo(a)anthracene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Benzo(a)pyrene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Benzo(b)fluoranthene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Benzo(g,h,i)perylene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Benzo(k)fluoranthene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Benzoic Acid	ug/kg	4000 U	4100 U	3800 U	3900 U	4000 U	4000 U	4000 U	4200 U
bis(2-Ethylhexyl)phthalate	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	**140 J**	**220 J**
Butyl benzyl phthalate	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Carbazole	ug/kg								
Chrysene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Dibenz(a,h)anthracene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Dibenzofuran	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Di-n-butylphthalate	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Fluoranthene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Fluorene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Indeno(1,2,3-cd)pyrene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Naphthalene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Phenanthrene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U
Pyrene	ug/kg	840 U	850 U	780 U	800 U	820 U	840 U	840 U	860 U

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

E - Exceeded calibration range

D - Dilution

Table 6-15
SVOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	04S01 SS 05/20/1996 0 - 1	04S02 SS 05/20/1996 0 - 1	04S03 SS 05/20/1996 0 - 1	04S04 SS 05/21/1996 0 - 1	04S05 SS 05/21/1996 0 - 1	04S07 SD 05/31/1996 0 - 0.5	04S08 SD 06/06/19960 0 - 0.5	GPS-D05-001 SB 07/23/2003 1
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/kg	760 U	760 U	770 U	820 U	740 U	670 U	520 U	
2-Methylnaphthalene	ug/kg	760 U	760 U	770 U	820 U	740 U	670 U	**630**	360 U
Acenaphthene	ug/kg	**460 J**	760 U	**160 J**	820 U	740 U	670 U	**2000**	360 U
Acenaphthylene	ug/kg	**160 J**	760 U	770 U	820 U	740 U	670 U	**99 J**	360 U
Anthracene	ug/kg	**1700**	760 U	**240 J**	820 U	740 U	**150 J**	**1900**	360 U
Benzo(a)anthracene	ug/kg	**9200**	**210 J**	**850**	**610 J**	**160 J**	**1400**	**4200**	**610**
Benzo(a)pyrene	ug/kg	**9400**	**230 J**	**740 J**	**580 J**	**160 J**	**1600**	**4400**	**770**
Benzo(b)fluoranthene	ug/kg	**9200**	**300 J**	**900**	**1000**	**110 J**	**3500**	**3700**	**860**
Benzo(g,h,i)perylene	ug/kg	**7200**	**180 J**	**460 J**	**380 J**	**100 J**	**1100**	**3000**	**390**
Benzo(k)fluoranthene	ug/kg	**7500**	**160 J**	**510 J**	820 U	**160 J**	670 U	**3600**	**350 J**
Benzoic Acid	ug/kg	3700 U	3700 U	3700 U	4000 U	3600 U	3300 U	**60 J**	
bis(2-Ethylhexyl)phthalate	ug/kg	**380 JB**	**990 B**	770 U	**470 JB**	**120 JB**	**800**	**870 B**	360 U
Butyl benzyl phthalate	ug/kg	760 U	760 U	770 U	820 U	740 U	**120 J**	**130 J**	360 U
Carbazole	ug/kg								
Chrysene	ug/kg	**9500**	**220 J**	**910**	**720 J**	**170 J**	**1700**	**4400**	**620**
Dibenz(a,h)anthracene	ug/kg	**3400**	760 U	770 U	820 U	740 U	**530 J**	**1100**	**92 J**
Dibenzofuran	ug/kg	**100 J**	760 U	770 U	820 U	740 U	670 U	**1200**	
Di-n-butylphthalate	ug/kg	**100 J**	760 U	770 U	820 U	740 U	**150 J**	**330 J**	360 U
Fluoranthene	ug/kg	**20000 E**	**420 J**	**2000**	**1100**	**310 J**	**2700**	**8800 E**	**500**
Fluorene	ug/kg	**360 J**	760 U	**110 J**	820 U	740 U	670 U	**1700**	360 U
Indeno(1,2,3-cd)pyrene	ug/kg	**9000**	**210 J**	**620 J**	**460 J**	**130 J**	**1500**	**3600**	**400**
Naphthalene	ug/kg	760 U	760 U	770 U	820 U	740 U	670 U	**310 J**	360 U
Phenanthrene	ug/kg	**7200**	**210 J**	**1400**	**510 J**	**170 J**	**620 J**	**7800**	**84 J**
Pyrene	ug/kg	**16000 E**	**450 J**	**2200**	**1200**	**310 J**	**2500**	**10000 E**	**610**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

E - Exceeded calibration range

D - Dilution

Table 6-15
SVOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D05-004 SB 07/23/2003 4	GPS-D05-008 SB 07/23/2003 8	GPS-D05-012 SB 07/23/2003 12	GPS-D05-208 SB 07/23/2003 8	GPS-D06-001 SB 07/22/2003 1	GPS-D06-004 SB 07/22/2003 4	GPS-D06-008 SB 07/22/2003 8	GPS-D06-012 SB 07/22/2003 12
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/kg								
2-Methylnaphthalene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Acenaphthene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Acenaphthylene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Anthracene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Benzo(a)anthracene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**390 J**
Benzo(a)pyrene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**280 J**
Benzo(b)fluoranthene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Benzo(g,h,i)perylene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**210 J**
Benzo(k)fluoranthene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**120 J**
Benzoic Acid	ug/kg								
bis(2-Ethylhexyl)phthalate	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Butyl benzyl phthalate	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Carbazole	ug/kg								
Chrysene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**430 J**
Dibenz(a,h)anthracene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Dibenzofuran	ug/kg								
Di-n-butylphthalate	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Fluoranthene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	**93 J**	**740**
Fluorene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Indeno(1,2,3-cd)pyrene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**200 J**
Naphthalene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	440 U
Phenanthrene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**290 J**
Pyrene	ug/kg	380 U	410 U	410 U	410 U	380 U	410 U	400 U	**750**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

E - Exceeded calibration range

D - Dilution

Table 6-15
SVOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D07-001 SB 07/23/2003 1	GPS-D07-004 SB 07/23/2003 4	GPS-D07-008 SB 07/23/2003 8	GPS-D07-012 SB 07/23/2003 12	GPS-D08-001 SB 06/27/2003 1	GPS-D08-004 SB 06/27/2003 4	GPS-D08-008 SB 06/27/2003 8	GPS-D08-012 SB 06/27/2003 12
Semivolatile Organic Compounds	**Units**								
1,2,4-Trichlorobenzene	ug/kg								
2-Methylnaphthalene	ug/kg	370 U	370 U	390 U	**96 J**	370 U	370 U	400 U	400 U
Acenaphthene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Acenaphthylene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Anthracene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Benzo(a)anthracene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Benzo(a)pyrene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Benzo(b)fluoranthene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Benzo(g,h,i)perylene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Benzo(k)fluoranthene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Benzoic Acid	ug/kg								
bis(2-Ethylhexyl)phthalate	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Butyl benzyl phthalate	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Carbazole	ug/kg								
Chrysene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Dibenz(a,h)anthracene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Dibenzofuran	ug/kg								
Di-n-butylphthalate	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Fluoranthene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Fluorene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Indeno(1,2,3-cd)pyrene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Naphthalene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Phenanthrene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U
Pyrene	ug/kg	370 U	370 U	390 U	410 U	370 U	370 U	400 U	400 U

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

E - Exceeded calibration range

D - Dilution

Table 6-15
SVOC Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D08-208 SB 06/27/2003 8	GPS-D11-005 SB 07/25/2003 5	SS-121 SS 1/1/2000 0 - 0.5	SS-122 SS 1/1/2000 0 - 0.5	SS-125 SS 1/1/2000 0 - 0.5	SS-126 SS 1/1/2000 0 - 0.5	SS-135 SS 1/1/2000 0 - 0.5	SS-136 SS 1/1/2000 0 - 0.5	SS-139 SS 1/1/2000 0 - 0.5
Semivolatile Organic Compounds	**Units**									
1,2,4-Trichlorobenzene	ug/kg									350 U
2-Methylnaphthalene	ug/kg	390 U	410 U	360 U	**570**	480 U	360 U	340 U	360 U	**160 J**
Acenaphthene	ug/kg	390 U	410 U	360 U	**2100**	480 U	360 U	**160 J**	**180 J**	350 U
Acenaphthylene	ug/kg	390 U	410 U	360 U	350 U	480 U	360 U	340 U	360 U	**200 J**
Anthracene	ug/kg	390 U	410 U	**64 J**	**2500**	480 U	360 U	**510**	**240 J**	**960**
Benzo(a)anthracene	ug/kg	390 U	410 U	**390**	**9200 D**	**380 J**	**120 J**	**2000**	**570**	**1100**
Benzo(a)pyrene	ug/kg	390 U	410 U	**380**	**7700 D**	**440 J**	**110 J**	**2000**	**500**	**2000**
Benzo(b)fluoranthene	ug/kg	390 U	410 U	**550**	**12000 D**	**880**	**160 J**	**2500 D**	**700**	**600**
Benzo(g,h,i)perylene	ug/kg	390 U	410 U	**290 J,B**	**5700 B,D**	**480 J**	**81 J**	**810**	**400**	**760 J***
Benzo(k)fluoranthene	ug/kg	390 U	410 U	**260 J**	**2700**	**290 J**	**67 J**	**1000 J***	**300 J**	
Benzoic Acid	ug/kg									**17000 E,D**
bis(2-Ethylhexyl)phthalate	ug/kg	390 U	410 U	**230 J**	**490**	**380 J**	**160 J**	**670**	360 U	**6300 D**
Butyl benzyl phthalate	ug/kg	390 U	410 U	360 U	**85 J**	**75 J**	360 U	340 U	360 U	**120 J**
Carbazole	ug/kg			360 U	**2700**	480 U	360 U	**230 J**	**200 J**	**1400**
Chrysene	ug/kg	390 U	410 U	**460**	**1200 J**	**590**	**150 J**	**2300**	**670**	**120 J**
Dibenz(a,h)anthracene	ug/kg	390 U	410 U	**90 J**	**660**	**130 J**	360 U	**220 J**	**100 J**	350 U
Dibenzofuran	ug/kg			360 U	**1500**	480 U	360 U	**58 J**	**96 J**	**5800 D**
Di-n-butylphthalate	ug/kg	390 U	410 U	**61 J,B**	**170 J,B**	**170 J**	360 U	**120 J**	**950**	**1700**
Fluoranthene	ug/kg	390 U	410 U	**750**	**2200 D**	**600**	**220 J**	**2200**	**1500**	**99 J**
Fluorene	ug/kg	390 U	410 U	360 U	**2100**	480 U	360 U	**160 J**	**140 J**	**510**
Indeno(1,2,3-cd)pyrene	ug/kg	390 U	410 U	**310 J**	**6200 D**	**490**	**81 J**	**750**	**430**	**61 J**
Naphthalene	ug/kg	390 U	410 U	360 U	**1800**	480 U	360 U	340 U	**110 J**	**1200**
Phenanthrene	ug/kg	390 U	410 U	**340 J**	**20000 D**	**190 J**	**110 J**	**1500**	**1400**	**1800**
Pyrene	ug/kg	390 U	410 U	**660**	**1700 D**	**590**	**210 J**	**2300**	**1300**	

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

E - Exceeded calibration range

D - Dilution

Table 6-15
Inorganic Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	04S07	04S08	GPS-D05-001	GPS-D05-004	GPS-D05-008	GPS-D05-012	GPS-D05-208	GPS-D06-001
	Sample Media:	SD	SD	SB	SB	SB	SB	SB	SB
	Sample Date:	05/31/1996	06/06/1996	07/23/2003	07/23/2003	07/23/2003	07/23/2003	07/23/2003	07/22/2003
	Sample Depth:	0 - 0.5	0 - 0.5	1	4	8	12	8	1
Inorganics	**Units**								
Aluminum	mg/kg	1820 U*J*	**5050 F**						
Antimony	mg/kg	**0.88 B**	**0.69 BJ***	11 UJ	11.5 UJ	12.4 UJ	12.4 UJ	12.4 UJ	11.5 UJ
Arsenic	mg/kg	**3.3**	**4.5**	**4.58**	**3.03**	**2.46**	**3.99**	**3.13**	**4.48**
Barium	mg/kg	**101**	**184 F**	**219 J**	**232 J**	**308 J**	**87.5 J**	**247 J**	**147 J**
Beryllium	mg/kg	**0.24**	**0.52**	**0.442 J**	**0.338 J**	**0.454 J**	**0.521 J**	**0.399 J**	**0.408 J**
Cadmium	mg/kg	**6.9 J***	**9.4 J***	1.1 UJ	1.15 UJ	1.24 UJ	1.24 UJ	1.24 UJ	1.15 UJ
Calcium	mg/kg	**27100 J*F**	**36700 J*F**						
Chromium	mg/kg	**21 F**	**49.9 F**	**23.1**	**23**	**25.9**	**27.1**	**24.5**	**26.2**
Cobalt	mg/kg	**2.3 J*F**	**4.8 J*F**						
Copper	mg/kg	**23.7 F**	**47.7 F**	**13.8**	**14.6**	**15.2**	**14.1**	**13.8**	**15.4**
Iron	mg/kg	**7380**	**9470 F**						
Lead	mg/kg	**141 J***	**330 J***	**15.3**	**12**	**10**	**9.15**	**10.5**	**12.5**
Magnesium	mg/kg	**1490**	**2860**						
Manganese	mg/kg	**263 J***	**384 J***						
Mercury	mg/kg	0.03 U	**0.07**	0.11 U	0.115 U	0.124 U	0.124 U	0.124 U	0.115 U
Nickel	mg/kg	**7**	**14.6**	**19.4**	**16.5**	**13.8**	**18.8**	**12.8**	**14.9**
Potassium	mg/kg	**360 B**	**848 F**						
Selenium	mg/kg	0.31 U	0.47 U	**2.21**	**2.02**	**1.82**	**1.97**	**1.71**	**2.62**
Silver	mg/kg	0.2 U	0.3 U	2.2 U	2.31 U	2.48 U	2.48 U	2.48 U	2.31 U
Sodium	mg/kg	**181 B**	**251 B**						
Vanadium	mg/kg	**10**	**16.6**						
Zinc	mg/kg	**720**	**514**	**64.6**	**56.7**	**53.1**	**53.6**	**52.5**	**52.8**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

Table 6-15
Inorganic Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	GPS-D06-004	GPS-D06-008	GPS-D06-012	GPS-D07-001	GPS-D07-004	GPS-D07-008	GPS-D07-012	GPS-D08-001
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	07/22/2003	07/22/2003	07/22/2003	07/23/2003	07/23/2003	07/23/2003	07/23/2003	06/27/2003
	Sample Depth:	4	8	12	1	4	8	12	1
Inorganics	**Units**								
Aluminum	mg/kg								
Antimony	mg/kg	12.5 UJ	12.2 UJ	13.2 UJ	11.2 UJ	11.3 UJ	11.8 UJ	12.5 UJ	11.2 U
Arsenic	mg/kg	**4.21**	**4.57**	**3.75**	**3.84**	**4.63**	**5.05**	**5.82**	**4.26**
Barium	mg/kg	**291 J**	**287 J**	**308 J**	**671 J**	**164 J**	**256 J**	**144 J**	**134**
Beryllium	mg/kg	**0.497 J**	**0.574 J**	**0.703 J**	**0.487 J**	**0.626 J**	**0.352 J**	**0.528 J**	1.12 U
Cadmium	mg/kg	1.25 UJ	1.22 UJ	1.32 UJ	1.12 UJ	1.13 UJ	1.18 UJ	1.25 UJ	1.12 U
Calcium	mg/kg								
Chromium	mg/kg	**26.9**	**27.7**	**32.1**	**24.7**	**28.5**	**25**	**24.1**	**20.2**
Cobalt	mg/kg								
Copper	mg/kg	**14.1**	**13.5**	**11.9**	**14.2**	**14.7**	**13.8**	**12.6**	**11.2**
Iron	mg/kg								
Lead	mg/kg	**12.2**	**10.2**	**8.7**	**12.9**	**12**	**12**	**11.4**	**13**
Magnesium	mg/kg								
Manganese	mg/kg								
Mercury	mg/kg	0.125 U	0.122 U	0.132 U	0.112 U	**0.0416 J**	0.118 U	0.125 U	0.112 U
Nickel	mg/kg	**19.7**	**19.8**	**23.1**	**17.4**	**22**	**14.5**	**18.9**	**12.4**
Potassium	mg/kg								
Selenium	mg/kg	**2.18**	**2.55**	**2.46**	**1.42**	**2.13**	**2.07**	**3.26**	**1.52**
Silver	mg/kg	2.5 U	2.45 U	2.64 U	2.23 U	2.26 U	2.37 U	2.5 U	2.25 U
Sodium	mg/kg								
Vanadium	mg/kg								
Zinc	mg/kg	**59.5**	**53.4**	**52.4**	**55.3**	**58.8**	**54.8**	**47.4**	**42.4 J**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

Table 6-15
Inorganic Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D08-004 SB 06/27/2003 4	GPS-D08-008 SB 06/27/2003 8	GPS-D08-012 SB 06/27/2003 12	GPS-D08-208 SB 06/27/2003 8	GPS-D11-005 SB 07/25/2003 5	SS-121 SS 1/1/2000 0 - 0.5	SS-122 SS 1/1/2000 0 - 0.5	SS-125 SS 1/1/2000 0 - 0.5
Inorganics	**Units**								
Aluminum	mg/kg						**20400**	**16600**	**15000 J***
Antimony	mg/kg	11.1 U	12.2 U	**2.74 J**	12 U	12.5 UJ	1.02 U,R*	1.04 U,R*	1.38 UJ*
Arsenic	mg/kg	**4.76**	**5.4**	**4.76**	**4.32**	**6.93**	0.511 U	**156**	0.688 U
Barium	mg/kg	**165**	**233**	**170**	**280**	**257 J**			
Beryllium	mg/kg	**0.208 J**	**0.245 J**	**0.805 J**	**0.267 J**	**0.496 J**	**1.02**	**1.02**	**0.57**
Cadmium	mg/kg	1.11 U	1.22 U	**0.981 J**	1.2 U	1.25 U	**2.55**	**3.71**	**4.18**
Calcium	mg/kg								
Chromium	mg/kg	**20.2**	**24.3**	**37.2**	**24.3**	**27.3**	**28.7**	**24.7**	**26**
Cobalt	mg/kg						**6.12**	**7.38**	**3.81**
Copper	mg/kg	**12**	**12.9**	**10.5**	**13.5**	**19.2**	**17.5**	**24**	**23 J***
Iron	mg/kg								
Lead	mg/kg	**13**	**15**	**17.1**	**16.9**	**15.6**	**65.1 J***	**109 J***	**69.8 J***
Magnesium	mg/kg								
Manganese	mg/kg						**290**	**1840**	**107**
Mercury	mg/kg	0.111 U	0.122 U	0.12 U	0.12 U	0.125 U	**0.179**	**0.445**	0.222 U
Nickel	mg/kg	**12.6**	**16.6**	**29.3**	**16.5**	**26.8**	**15.5**	**19.9**	**11.4**
Potassium	mg/kg								
Selenium	mg/kg	**1.55**	**1.12 J**	**2.12**	**1.25**	**2.02**	1.02 U	**3.14**	**38**
Silver	mg/kg	2.22 U	2.45 U	**0.805 J**	2.39 U	2.5 U	0.716 UJ*	0.728 UJ*	0.963 UJ*
Sodium	mg/kg								
Vanadium	mg/kg						**56.6**	**44**	**37.8**
Zinc	mg/kg	**43.6 J**	**69 J**	**82.2 J**	**56.5 J**	**71**			

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

Table 6-15
Inorganic Soil and Sediment Detections
Aircraft Wash Area No. 1
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	SS-126 / SS / 1/1/2000 / 0 - 0.5	SS-135 / SS / 1/1/2000 / 0 - 0.5	SS-136 / SS / 1/1/2000 / 0 - 0.5	SS-139 / SS / 1/1/2000 / 0 - 0.5
Inorganics	**Units**				
Aluminum	mg/kg	**24200 J***	**8790 J***	**13200 J***	**17000 J***
Antimony	mg/kg	1 UJ*	0.967 UJ*	1.05 UJ*	0.973 UJ*
Arsenic	mg/kg	**0.576**	**5.1**	**2.93**	**1.15**
Barium	mg/kg				
Beryllium	mg/kg	**1.08**	**0.567**	**0.703**	**0.89**
Cadmium	mg/kg	**0.954**	**1.3**	**0.901**	**4.87**
Calcium	mg/kg				
Chromium	mg/kg	**24.8**	**13.7**	**16.8**	**1660**
Cobalt	mg/kg	**8.15**	**5.42**	**6.69**	**14.1**
Copper	mg/kg	**16.2 J***	**11.9 J***	**15.9 J***	**28.1 J***
Iron	mg/kg				
Lead	mg/kg	**26.6 J***	**41 J***	**152 J***	**4070 J***
Magnesium	mg/kg				
Manganese	mg/kg	**475**	**486**	**457**	**238**
Mercury	mg/kg	0.167 U	0.159 U	0.17 U	**0.362**
Nickel	mg/kg	**20**	**11.9**	**13.5**	**20**
Potassium	mg/kg				
Selenium	mg/kg	1 U	**8.38**	**1.4**	0.973 U
Silver	mg/kg	0.702 UJ*	0.677 UJ*	0.736 UJ*	0.681 UJ*
Sodium	mg/kg				
Vanadium	mg/kg	**41.6**	**22.6**	**28.7**	**33.3**
Zinc	mg/kg				

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SE - Sediment

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

Table 6-16
VOC Soil and Sediment Detections
Former Base Motor Pool
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-138	S-138	S-165	S-165	SED-017	S-138	S-138	S-158	S-158
	Sample Media:	SB	SB	SB	SB	SD	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	3 - 5	1 - 3	3 - 5		1 - 3	3 - 5	1 - 3	3 - 5
Volatile Organic Compounds	**Units**									
1,1,1-Trichloroethane	ug/kg								5.4 U	4.3 U
1,1,2,2-Tetrachloroethane	ug/kg								5.4 U	4.3 U
1,1-Dichloroethene	ug/kg	4.3 U	3.7 U	3.8 U	3.7 U				5.4 U	4.3 U
1,2 -Dichloroethane	ug/kg									
2-Butanone	ug/kg	4.3 U	3.7 U	**14**	**4.2**	10 U	4.3 U	3.7 U	**7.4**	4.3 U
2-Hexanone	ug/kg						4.3 U	3.7 U	**14**	4.3 U
Acetone	ug/kg	**13**	**16**	**84**	**35**	**45**	**13**	**16**	**96**	**22**
Benzene	ug/kg					10 U				
Bromodichloromethane	ug/kg									
Bromoform	ug/kg									
Carbon disulfide	ug/kg						4.3 U	3.7 U	5.4 U	4.3 U
Carbon tetrachloride	ug/kg									
Chlorobenzene	ug/kg									
Chloroform	ug/kg						4.3 U	3.7 U	5.4 U	4.3 U
cis-1,2-Dichloroethene	ug/kg	4.3 U	3.7 U	3.8 U	3.7 U	8.55 U	4.3 U	3.7 U	5.4 U	4.3 U
Dibromochloromethane	ug/kg									
Ethylbenzene	ug/kg									
Methylene chloride	ug/kg	13 U	11 U	11 U	11 U		13 U	11 U	16 U	13 U
m-Xylene and p-Xylene	ug/kg	4.3 U	3.7 U	3.8 U	3.7 U					
Tetrachloroethene	ug/kg									
Toluene	ug/kg									
trans-1,2-Dichloroethene	ug/kg						4.3 U	3.7 U	5.4 U	4.3 U
Trichloroethene	ug/kg	4.3 U	3.7 U	3.8 U	3.7 U	1.71 U	4.3 U	3.7 U	5.4 U	4.3 U
Vinyl chloride	ug/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
U - Qualified as undetected

Table 6-16
VOC Soil Mobile Lab Detections
Former Base Motor Pool
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-130	S-130	S-131	S-131	S-131	S-132	S-132
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	5 - 7	1 - 3	5 - 7	9 - 11	1 - 3	5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg							
cis-1,2-Dichloroethene	ug/kg	7.68 U	6.41 U	7.66 U	5.88 U	7.1 U	5.85 U	6.13 U
Tetrachloroethene	ug/kg							
Trichloroethene	ug/kg	1.54 U	1.28 U	1.53 U	1.18 U	1.42 U	1.17 U	1.23 U

Analyte	Sample Location:	S-132	S-137	S-137	S-138	S-138	S-139	S-139
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	9 - 11	1 - 3	3 - 5	1 - 3	3 - 5	1 - 3	3 - 5
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg							
cis-1,2-Dichloroethene	ug/kg	5.9 U	4.42 U	5.58 U	4.94 U	5.3 U	5.13 U	5.18 U
Tetrachloroethene	ug/kg							
Trichloroethene	ug/kg	1.18 U	0.88 U	1.12 U	0.99 U	1.06 U	1.03 U	1.04 U

Analyte	Sample Location:	S-140	S-140	S-158	S-158	S-159	S-159	S-160
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	3 - 5	1 - 3	3 - 5	1 - 3	3 - 5	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg							
cis-1,2-Dichloroethene	ug/kg	5.14 U	5.34 U	10.57 U	6.11 U	7.76 U	6.39 U	8.42 U
Tetrachloroethene	ug/kg							
Trichloroethene	ug/kg	1.03 U	1.07 U	2.11 U	1.22 U	1.55 U	1.28 U	1.68 U

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
U - Qualified as undetected

Table 6-16
VOC Soil Mobile Lab Detections
Former Base Motor Pool
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-160	S-161	S-161	S-162	S-162
	Sample Media:	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	3 - 5	1 - 3	3 - 5	1 - 3	3 - 5
Volatile Organic Compounds	**Units**					
Carbon tetrachloride	ug/kg					
cis-1,2-Dichloroethene	ug/kg	6.71 U	6.4 U	5.9 U	5.57 U	5.64 U
Tetrachloroethene	ug/kg					
Trichloroethene	ug/kg	1.34 U	1.28 U	1.18 U	1.11 U	1.13 U

Analyte	Sample Location:	S-163	S-163	S-164	S-164
	Sample Media:	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	3 - 4.5	1 - 3	3 - 5
Volatile Organic Compounds	**Units**				
Carbon tetrachloride	ug/kg				
cis-1,2-Dichloroethene	ug/kg	5.45 U	4.84 U	5.38 U	4.82 U
Tetrachloroethene	ug/kg				
Trichloroethene	ug/kg	1.09 U	0.97 U	1.08 U	0.96 U

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
U - Qualified as undetected

Table 6-16
SVOC Soil, Sediment, and Surface Water Detections
Former Base Motor Pool
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	SED-017	SS-143	SS-142	22S04[1]	22S04
	Sample Media:	SD	SS	SS	SW	SD
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	6/5/1996	6/5/1996
	Sample Depth:		0 - 0.5	0 - 0.5		
Semivolatile Organic Compounds	**Units**					
Acenaphthene	ug/kg		**170 J**	360 U	10 U	**88 J**
Anthracene	ug/kg	550 UJ*	**230 J**	**99 J**	10 U	**140 J**
Benzo(a)anthracene	ug/kg	**210 J**	**770**	**390**	10 U	**670**
Benzo(a)pyrene	ug/kg	**250 J**	**740**	**410**	10 U	**860**
Benzo(b)fluoranthene	ug/kg	**330 J**	**1100**	**580**	10 U	**970**
Benzo(g,h,i)perylene	ug/kg	**200 J**	**660**	**360**	10 U	**840**
Benzo(k)fluoranthene	ug/kg	**150 J**	**540 J***	**300 J**	10 U	**710**
Benzoic Acid	ug/kg				**1 J**	**190 J**
bis(2-Ethylhexyl)phthalate	ug/kg			360 U	10 U	**230 J**
Butyl benzyl phthalate	ug/kg			360 U	10 U	**150 J**
Carbazole	ug/kg		**150 J**	**72 J**		
Chrysene	ug/kg	**320 J**	**980**	**530**	10 U	**920**
Dibenz(a,h)anthracene	ug/kg	550 UJ*	**160 J**	**84 J**	10 U	**300 J**
Dibenzofuran	ug/kg		**69 J**	360 U		
Di-n-butylphthalate	ug/kg		**120 J**	360 U		
Fluoranthene	ug/kg	**570 J***	**1800**	**1100**	10 U	**2000**
Fluorene	ug/kg		**120 J**	360 U		
Indeno(1,2,3-cd)pyrene	ug/kg	550 UJ*	**650**	**340 J**	10 U	**540 J**
Naphthalene	ug/kg		**87 J**	360 U		
Phenanthrene	ug/kg	**320 J**	**1200**	**540**	10 U	**920**
Pyrene	ug/kg	**480 J**	**1600**	**880**	10 U	**1400**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
* - Qualified in QC evaluation

Table 6-16
Inorganic Soil, Sediment, and Surface Water Detections
Former Base Motor Pool
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	SED-017	SS-143	SS-142	22S04	22S04[1]
	Sample Media:	SD	SS	SS	SD	SW
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	6/5/1996	6/5/1996
	Sample Depth:	0 - 0	0 - 0.5	0 - 0.5		
Inorganics	**Units**					
Aluminum	mg/kg	**11700**	**20600 J***	**18600 J***	**10100 F**	**1590**
Antimony	mg/kg			1.01 UJ*	**6**	
Arsenic	mg/kg	0.823 U	**10.6**	**12**	**209 F**	1.6 U
Baruium	mg/kg				**0.73**	**110**
Beryllium	mg/kg	**0.594**	**0.96**	**1.24**	**1.8 J***	**0.56 B**
Cadmium	mg/kg	**1.6**	**1.79**	**1.37**	**17200 J*F**	0.5 U
Calcium	mg/kg				**15.8 F**	**107000**
Chromium	mg/kg	**81.6**	**23.9**	**28.9**	**5.9 J*F**	**11.7**
Cobalt	mg/kg	**4.58**	**8**	**9.18**	**18.5 F**	0.9 UJ*
Copper	mg/kg	**24.3 J***	**19.9 J***	**22.4 J***	**11800 F**	**6.5**
Iron	mg/kg				**110 J***	**1310**
Lead	mg/kg	**89.7**	**66.9 J***	**63.9 J***	**4060**	**60.4 J***
Magnesium	mg/kg				**341 J***	**29100**
Manganese	mg/kg	**132 J***	**364**	**711**	**0.06**	**57.2**
Mercury	mg/kg	0.256 U	0.169 U	0.166 U	**13.3**	0.1 U
Nickel	mg/kg	**11.8**	**17.4**	**21.4**	**2210 F**	**2.6 B**
Potassium	mg/kg				**0.79 B**	**2790 B**
Selenium	mg/kg	**4.39**	**1.49**	**2.05**	0.36 U	**2.1 B**
Silver	mg/kg			0.704 UJ*	**321 B**	
Sodium	mg/kg				0.41 UJ*	**107000 J***
Thallium	mg/kg			1.61 U	**21.5**	
Vanadium	mg/kg	**21.9**	**41.1**	**51.5**	**234**	**4.9**
Zinc						**46.6**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
VOC Sediment and Surface Water Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	02S47 SD 4/17/1997 0 -0.5	04S30 SD 7/16/1997 0 - 0.5	SED-015 SD 1/1/2000	SED-016 SD 1/1/2000	02S47[1] SW 4/17/1997	SW-015[1] SW 1/1/2000	SW-016[1] SW 1/1/2000
Volatile Organic Compounds	**Units**							
1,2-Dichloroethane	ug/kg	9 U	9 UJ*					
2-Butanone	ug/kg	9 U	9 UJ*	**12**	**26**			
2-Hexanone	ug/kg	9 U	9 UJ*					
Acetone	ug/kg	**1500 E**	9 UJ*	**28**	**72**	5 U	**6.4**	1 U
Benzene	ug/kg	9 U	9 UJ*	10 U	10 U			
Bromodichloromethane	ug/kg	9 U	9 UJ*			1 U	**3.8**	1 U
Bromoform	ug/kg	9 U	9 UJ*			1 U	**1.1**	1 U
Carbon disulfide	ug/kg	9 U	9 UJ*	10 U	10 U			
Chloroform	ug/kg	9 U	9 UJ*			1 U	**2.6**	1 U
cis-1,2-Dichloroethene	ug/kg	9 U	9 UJ*	6.19 U	5.73 U	**1**	1 U	1 U
Dibromochloromethane	ug/kg	9 U	9 UJ*			1 U	**4.1**	1 U
Ethylbenzene	ug/kg	9 U	9 UJ*					
Methylene chloride	ug/kg	**19**	**5 J**					
Toluene	ug/kg	9 U	9 UJ*					
trans-1,2-Dichloroethene	ug/kg	9 U	9 UJ*					
Trichloroethene	ug/kg	9 U	9 UJ*	1.24 U	1.15 U	**1**	1 U	1 U

Notes:
Bold indicates that compound was detected.
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-17
SVOC Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	05S07 SD 6/5/1996	05S08 SD 6/5/1996	05S10 SD 6/5/1996	05S11 SD 6/4/1996
Semivolatile Organic Compounds	**Units**				
Acenaphthene	ug/kg	550 U	510 U	460 U	530 U
Anthracene	ug/kg	550 U	510 U	460 U	530 U
Benzo(a)anthracene	ug/kg	**230 J**	**95 J**	460 U	**140 J**
Benzo(a)pyrene	ug/kg	**340 J**	**120 J**	460 U	**170 J**
Benzo(b)fluoranthene	ug/kg	**340 J**	**120 J**	460 U	**310 J**
Benzo(g,h,i)perylene	ug/kg	**330 J**	**120 J**	460 U	**97 J**
Benzo(k)fluoranthene	ug/kg	**250 J**	**110 J**	460 U	**240 J**
Benzoic Acid	ug/kg	2700 U	2500 U	2200 U	**110 J**
bis(2-Ethylhexyl)phthalate	ug/kg	**170 J**	**56 J**	460 U	**140 J**
Butyl benzyl phthalate	ug/kg	**98 J**	510 U	460 U	530 U
Chrysene	ug/kg	**310 J**	**120 J**	460 U	**330 J**
Dibenz(a,h)anthracene	ug/kg	**99 J**	510 U	460 U	530 U
Di-n-butylphthalate	ug/kg	**76 J**	510 U	460 U	530 U
Fluoranthene	ug/kg	**580**	**220 J**	460 U	**650**
Indeno(1,2,3-cd)pyrene	ug/kg	**240 J**	**96 J**	460 U	**94 J**
Phenanthrene	ug/kg	**210 J**	**110 J**	460 U	**310 J**
Pyrene	ug/kg	**440 J**	**160 J**	460 U	**810**

Notes:
Bold indicates that compound was detected.
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	05S07 SD 6/5/1996	05S08 SD 6/5/1996	05S10 SD 6/5/1996	05S11 SD 6/4/1996	19B01 SB 6/26/1996 2 - 3	19B01 SB 6/26/1996 5 - 6	19B01 SB 6/26/1996 7 - 8	19B02 SB 6/26/1996 2 - 3	19B02 SB 6/26/1996 5 - 6
Inorganics	**Units**									
Aluminum	mg/kg	**10300 F**	**13900 F**	**12200 F**	**8290 F**					
Antimony	mg/kg	0.5 UJ*	0.46 UJ*	0.42 UJ*	0.48 UJ*					
Arsenic	mg/kg	**5.1**	**7.1**	**4**	**4.8**					
Barium	mg/kg	**174 F**	**370 F**	**61.4 F**	**197 F**					
Beryllium	mg/kg	**0.83**	**0.96**	**0.93**	**0.77**					
Cadmium	mg/kg	**1.8 J***	**1.1 J***	**0.24 BJ***	**1.2 J***					
Calcium	mg/kg	**22600 J*F**	**13200 J*F**	**4860 J*F**	**13900 J*F**					
Chromium	mg/kg	**31.3 F**	**15.6 F**	**12.8 F**	**21.4 F**					
Cobalt	mg/kg	**7.1 J*F**	**6.7 J*F**	**6.1 J*F**	**6.7 J*F**					
Copper	mg/kg	**20.2 F**	**16.6 F**	**11.1 F**	**42 F**					
Iron	mg/kg	**11700 F**	**14100 F**	**11600 F**	**10600 F**					
Lead	mg/kg	**65.2 J***	**40.3 J***	**11.2 J***	**31.3 J***	**10.2**	**8.6**	**11.3**	**13.2**	**12.7**
Magnesium	mg/kg	**3840**	**4330**	**3220**	**3190**					
Manganese	mg/kg	**346 J***	**354 J***	**161 J***	**239 J***					
Mercury	mg/kg	**0.06**	0.05 U	0.05 U	0.05 U					
Nickel	mg/kg	**14**	**16.5**	**15.8**	**13.2**					
Potassium	mg/kg	**1840 F**	**2360 F**	**2030 F**	**1580 F**					
Selenium	mg/kg	**0.58 B**	0.46 U	0.42 U	**1.9**					
Silver	mg/kg	0.32 U	0.29 U	0.27 U	**3.6**					
Sodium	mg/kg	**307 B**	**468**	**441**	**776**					
Thallium	mg/kg	0.37 UJ*	0.34 UJ*	0.31 UJ*	0.35 UJ*					
Vanadium	mg/kg	**24**	**28.9**	**26.8**	**21.6**					
Zinc	mg/kg	**186**	**76**	**31.6**	**175**					

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	19B02 SB 6/26/1996 7 - 8	19B03 SB 6/26/1996 2 - 3	19B03 SB 6/26/1996 5 - 6	19B03 SB 6/26/1996 7 - 8	19B04 SB 6/26/1996 2 - 3	19B04 SB 6/26/1996 5 - 6	19B04 SB 6/26/1996 7 - 8	19B05 SB 6/27/1996 2 - 3	19B05 SB 6/27/1996 5 - 6
Inorganics	**Units**									
Aluminum	mg/kg									
Antimony	mg/kg									
Arsenic	mg/kg									
Barium	mg/kg									
Beryllium	mg/kg									
Cadmium	mg/kg									
Calcium	mg/kg									
Chromium	mg/kg									
Cobalt	mg/kg									
Copper	mg/kg									
Iron	mg/kg									
Lead	mg/kg	**17.5**	**13.8**	**9.7**	**10.7**	**15**	**12**	**9.5**	**11.1**	**9.2**
Magnesium	mg/kg									
Manganese	mg/kg									
Mercury	mg/kg									
Nickel	mg/kg									
Potassium	mg/kg									
Selenium	mg/kg									
Silver	mg/kg									
Sodium	mg/kg									
Thallium	mg/kg									
Vanadium	mg/kg									
Zinc	mg/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	19B05 SB 6/27/1996 7 - 8	19B06 SB 6/27/1996 2 - 3	19B06 SB 6/27/1996 5 - 6	19B06 SB 6/27/1996 7 - 8	19B07 SB 6/27/1996 2 - 3	19B07 SB 6/27/1996 5 - 6	19B07 SB 6/27/1996 7 - 8	19B08 SB 6/27/1996 2 - 3	19B08 SB 6/27/1996 5 - 6
Inorganics	**Units**									
Aluminum	mg/kg									
Antimony	mg/kg									
Arsenic	mg/kg									
Barium	mg/kg									
Beryllium	mg/kg									
Cadmium	mg/kg									
Calcium	mg/kg									
Chromium	mg/kg									
Cobalt	mg/kg									
Copper	mg/kg									
Iron	mg/kg									
Lead	mg/kg	**13.2**	**11.2**	**7.8**	**10.4**	**12.2**	**11.9**	**9.6**	**14.2**	**7.9**
Magnesium	mg/kg									
Manganese	mg/kg									
Mercury	mg/kg									
Nickel	mg/kg									
Potassium	mg/kg									
Selenium	mg/kg									
Silver	mg/kg									
Sodium	mg/kg									
Thallium	mg/kg									
Vanadium	mg/kg									
Zinc	mg/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	19B08 SB 6/27/1996 7 - 8	19B09 SB 6/27/1996 2 - 3	19B09 SB 6/27/1996 5 - 6	19B09 SB 6/27/1996 7 - 8	19B10 SB 6/27/1996 2 - 3	19B10 SB 6/27/1996 5 - 6	19B10 SB 6/27/1996 7 - 8	19B11 SB 6/27/1996 2 - 3	19B11 SB 6/27/1996 5 - 6
Inorganics	**Units**									
Aluminum	mg/kg									
Antimony	mg/kg									
Arsenic	mg/kg									
Barium	mg/kg									
Beryllium	mg/kg									
Cadmium	mg/kg									
Calcium	mg/kg									
Chromium	mg/kg									
Cobalt	mg/kg									
Copper	mg/kg									
Iron	mg/kg									
Lead	mg/kg	**10.7**	**9.7**	**10.1**	**15.2**	**12.2**	**10.8**	**10**	**17.8**	**13.9**
Magnesium	mg/kg									
Manganese	mg/kg									
Mercury	mg/kg									
Nickel	mg/kg									
Potassium	mg/kg									
Selenium	mg/kg									
Silver	mg/kg									
Sodium	mg/kg									
Thallium	mg/kg									
Vanadium	mg/kg									
Zinc	mg/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	19B11 SB 6/27/1996 7 - 8	19B12 SB 6/27/1996 2 - 3	19B12 SB 6/27/1996 5 - 6	19B12 SB 6/27/1996 7 - 8	19B13 SB 6/28/1996 2 - 3	19B13 SB 6/28/1996 5 - 6	19B13 SB 6/28/1996 7 - 8	19B14 SB 6/28/1996 2 - 3	19B14 SB 6/28/1996 5 - 6
Inorganics	**Units**									
Aluminum	mg/kg									
Antimony	mg/kg									
Arsenic	mg/kg									
Barium	mg/kg									
Beryllium	mg/kg									
Cadmium	mg/kg									
Calcium	mg/kg									
Chromium	mg/kg									
Cobalt	mg/kg									
Copper	mg/kg									
Iron	mg/kg									
Lead	mg/kg	**12.2**	**11.4**	**11**	**9.5**	**12.5**	**10**	**11**	**12.3**	**13**
Magnesium	mg/kg									
Manganese	mg/kg									
Mercury	mg/kg									
Nickel	mg/kg									
Potassium	mg/kg									
Selenium	mg/kg									
Silver	mg/kg									
Sodium	mg/kg									
Thallium	mg/kg									
Vanadium	mg/kg									
Zinc	mg/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	19B14 SB 6/28/1996 7 - 8	19B15 SB 6/28/1996 2 - 3	19B15 SB 6/28/1996 5 - 6	19B15 SB 6/28/1996 7 - 8	19B16 SB 6/28/1996 2 - 3	19B16 SB 6/28/1996 5 - 6	19B16 SB 6/28/1996 7 - 8	SED-015 SS 1/1/2000	SED-016 SS 1/1/2000
Inorganics	**Units**									
Aluminum	mg/kg								**19500**	**5970**
Antimony	mg/kg								1.52 U,R*	1.32 U,R*
Arsenic	mg/kg								0.761 U	0.657 U
Barium	mg/kg									
Beryllium	mg/kg								**0.895**	**0.396**
Cadmium	mg/kg								**0.814**	**0.845**
Calcium	mg/kg									
Chromium	mg/kg								**19.7**	**9.09**
Cobalt	mg/kg								**6.8**	**3.69**
Copper	mg/kg								**14.8 J***	**10.7 J***
Iron	mg/kg									
Lead	mg/kg	**9.1**	**11.6 ***	**12.5 ***	**15.1 ***	**10.9 ***	**9.5 ***	**10.9 ***	**18.5**	**28.2**
Magnesium	mg/kg									
Manganese	mg/kg								**295 J***	**288 J***
Mercury	mg/kg								0.242 U	0.217 U
Nickel	mg/kg								**15.3**	**8.86**
Potassium	mg/kg									
Selenium	mg/kg								1.52 U	**2.2**
Silver	mg/kg								1.07 U	0.921 U
Sodium	mg/kg									
Thallium	mg/kg								**2.69 J***	**2.54 J***
Vanadium	mg/kg								**36.7**	**14.7**
Zinc	mg/kg									

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-17
Inorganic Soil and Sediment Detections
Aboveground Storage Tank Area and Suspect Tank Sludge Burial Sites/Black Tar
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SW-015[1] SW 1/1/2000	SW-016[1] SW 1/1/2000
Inorganics	**Units**		
Aluminum	mg/kg	**127**	75 U
Antimony	mg/kg		
Arsenic	mg/kg		
Barium	mg/kg		
Beryllium	mg/kg		
Cadmium	mg/kg		
Calcium	mg/kg		
Chromium	mg/kg	**7.47**	**7.08**
Cobalt	mg/kg		
Copper	mg/kg	**12.7**	**12**
Iron	mg/kg		
Lead	mg/kg	**18.1**	**17.8**
Magnesium	mg/kg		
Manganese	mg/kg	7 U	**90.8**
Mercury	mg/kg	**0.2 U**	**0.71 J***
Nickel	mg/kg		
Potassium	mg/kg		
Selenium	mg/kg		
Silver	mg/kg		
Sodium	mg/kg		
Thallium	mg/kg		
Vanadium	mg/kg	**12.5 J***	12 U
Zinc	mg/kg		

Notes:
Bold indicates that compound was detected.
SB - Subsurface Soil
SS - Surface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	09B01 SB 6/5/1996 1 - 4	09B01 SB 6/5/1996 4 - 8	09B01 SB 6/5/1996 8 - 12	09B02 SB 6/5/1996 1 - 4	09B02 SB 6/5/1996 4 - 7.5	09B03 SB 6/4/1996 1 - 4	09B03 SB 6/4/1996 4 - 8	09B03 SB 6/4/1996 8 - 12	09B04 SB 6/5/1996 1 - 4	09B04 SB 6/5/1996 4 - 8
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
2-Hexanone	ug/kg										
Acetone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**62 J***	32 U	6 U	6 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**2 J**	32 U	6 U	6 U
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	**14 J**	6 U	6 U
Dibromochloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**300 EJ***	**470 J***	6 U	6 U
Methylene chloride	ug/kg	13 BU*	13 BU*	7 BU*	5 JBU*	6 U	9 BU*	6 U	32 U	9 BU*	9 BU*
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	**4 J**	**4 J**	6 U	6 U	6 U	6 U	6 U	32 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	**580 J***	6 U	6 U
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B04 SB 6/5/1996 8 - 11.8	09B05 SB 6/4/1996 1 - 4	09B05 SB 6/4/1996 12 - 16	09B05 SB 6/4/1996 4 - 8	09B05 SB 6/4/1996 8 - 12	09B06 SB 6/5/1996 1 - 4	09B06 SB 6/5/1996 12 - 16	09B06 SB 6/5/1996 4 - 8	09B06 SB 6/5/1996 8 - 12	09B07 SB 6/5/1996 1 - 4
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	**54**	6 U	6 U
2-Hexanone	ug/kg										
Acetone	ug/kg	**130 J***	**97**	6 U	**56**	6 U	**85**	6 U	**360 E**	**100 J***	6 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	**14**	6 U	6 U	6 U
Dibromochloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	**280 EJ***	6 U	6 U	6 U	6 U	6 U	6 U	6 U	**220 J***	6 U
Methylene chloride	ug/kg	16 BU*	3 JBU*	3 JBU*	61 BU*	2 JBU*	18 BU*	4 JBU*	7 BU*	14 BU*	3 JBU*
m-Xylene and p-Xylene	ug/kg	**72 J***	6 U	6 U	6 U	6 U	6 U	**3 J**	6 U	**140 J***	6 U
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	6 U	**4 J**	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	**2 J**	**8**	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	09B07 SB 6/5/1996 4 - 8	09B07 SB 6/5/1996 8 - 12	09B08 SB 6/7/1996 1 - 4	09B08 SB 6/7/1996 4 - 8	09B08 SB 6/7/1996 8 - 11	09B09 SB 6/7/1996 1 - 4	09B09 SB 6/7/1996 12 - 16	09B09 SB 6/7/1996 4 - 8	09B09 SB 6/7/1996 8 - 12	09B10 SB 6/4/1996 1 - 4
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U	6 U	**4 J**	6 U	6 U	6 U	6 U
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Hexanone	ug/kg										
Acetone	ug/kg	**29**	6 U	6 U	**14**	**46**	6 U	6 U	6 U	6 U	6 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Methylene chloride	ug/kg	3 JBU*	3 JBU*	14 BU*	6 U	8 BU*	8 BU*	6 U	16 BU*	17 BU*	47 BU*
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	6 U	6 U	6 U	6 U	6 U	**7**	6 U	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	6 U	**8**	6 U	6 U	6 U	6 U
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	09B10 SB 6/4/1996 12 - 16	09B10 SB 6/4/1996 4 - 8	09B10 SB 6/4/1996 8 - 12	09B11 SB 6/6/1996 1 - 4	09B11 SB 6/6/1996 4 - 8	09B11 SB 6/6/1996 8 - 12	09B12 SB 6/7/1996 1 - 4	09B12 SB 6/7/1996 4 - 8	09B12 SB 6/7/1996 8 - 12	09B13 SB 6/7/1996 1 - 3.5
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
2-Hexanone	ug/kg										
Acetone	ug/kg	**84**	6 U	**57 J***	6 UJ*	6 U	**25**	6 U	6 U	6 U	**36**
Benzene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Dibromochloromethane	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Methylene chloride	ug/kg	50 BU*	11 BU*	12 BU*	12 BU*	14 BU*	15 BU*	8 U*	6 U	6 U	6 BU*
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	6 U	**11**	6 U	6 U	6 U
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	6 U	6 U	6 UJ*	6 U	**16**	6 U	**3 J**	6 U	6 U
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
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SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
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E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	09B14 SB 6/10/1996 1 - 4	09B14 SB 6/10/1996 4 - 8	09B15 SB 6/10/1996 1 - 4	09B15 SB 6/10/1996 4 - 8	09B15 SB 6/10/1996 8 - 10.5	09B16 SB 6/10/1996 1 - 4	09B16 SB 6/10/1996 4 - 8	09B16 SB 6/10/1996 8 - 12	09B17 SB 6/6/1996 1 - 4	09B17 SB 6/6/1996 4 - 8
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	**35**	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
2-Hexanone	ug/kg										
Acetone	ug/kg	**220**	**66**	**16 J*F**	**95 F**	**85 F**	6 U	6 U	**270 F**	6 U	31 U
Benzene	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
Bromodichloromethane	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
Carbon disulfide	ug/kg	6 U	**3 J**	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
Dibromochloromethane	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
Ethylbenzene	ug/kg	**4 J**	**42**	6 UJ*	**940**	**250**	6 U	6 U	**900**	6 U	**1100 J***
Methylene chloride	ug/kg	**23**	6 U	**18 J*F**	42 U	**88 F**	**20 F**	6 U	32 U	14 BU*	31 U
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	**660 J***
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	**13 J**
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	6 U	6 UJ*	42 U	31 U	6 U	6 U	32 U	6 U	31 U
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
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E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	09B17 SB 6/6/1996 8 - 12	09B18 SB 6/6/1996 1 - 4	09B18 SB 6/6/1996 4 - 8	09B18 SB 6/6/1996 8 - 11.9	09B19 SB 6/6/1996 1 - 4	09B19 SB 6/6/1996 4 - 8	09B19 SB 6/6/1996 8 - 10.5	09B20 SB 6/10/1996 1 - 4	09B20 SB 6/10/1996 4 - 8	09B20 SB 6/10/1996 8 - 11.7
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	32 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	32 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
2-Hexanone	ug/kg										
Acetone	ug/kg	32 U	6 UJ*	**36**	**180 J***	6 U	6 U	6 U	6 U	6 U	6 U
Benzene	ug/kg	32 U	6 UJ*	6 U	**4 J**	6 U	6 U	6 U	6 U	6 U	6 U
Bromodichloromethane	ug/kg	32 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Carbon disulfide	ug/kg	32 U	6 UJ*	6 U	**4 J**	6 U	6 U	6 U	6 U	6 U	6 U
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	32 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
cis-1,2-Dichloroethene	ug/kg	32 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U	**33**
Dibromochloromethane	ug/kg	32 U	6 UJ*	6 U	6 U	6 U	6 U	6 U	6 U	6 U	6 U
Ethylbenzene	ug/kg	**1200 J***	6 UJ*	6 U	**150 J***	6 U	6 U	6 U	6 U	6 U	6 U
Methylene chloride	ug/kg	32 U	11 BU*	9 BU*	6 U	21 BU*	13 BU*	12 BU*	**20**	**23**	**20**
m-Xylene and p-Xylene	ug/kg	**670 J***	6 UJ*	6 U	**280 J***	6 U	6 U	6 U	6 U	6 U	6 U
Naphthalene	ug/kg										
o-Xylene	ug/kg	32 U	6 UJ*	6 U	**21 J***	6 U	6 U	6 U	6 U	6 U	6 U
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	32 U	**5 J**	6 U	6 U	**3 J**	6 U	6 U	**11**	6 U	6 U
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	**83 J***	6 UJ*	6 U	6 U	**4 J**	6 U	**3 J**	6 U	**12**	**120**
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B21 SB 6/10/1996 1 - 4	09B21 SB 6/10/1996 4 - 8	09B21 SB 6/10/1996 8 - 10.7	09S01 SS 5/30/1996 0 - 0.5	09S02 SS 5/30/1996 0 - 0.5	09S03 SS 5/30/1996 0 - 0.5	09S04 SS 5/30/1996 0 - 0.5	09S05 SS 5/29/1996 0 - 0.5	09S06 SS 5/29/1996 0 - 0.5	09S07 SS 5/30/1996 0 - 0.5
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
2-Hexanone	ug/kg										
Acetone	ug/kg	**12 F**	**150 F**	**230 F**	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Benzene	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Bromodichloromethane	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Carbon disulfide	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
cis-1,2-Dichloroethene	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Dibromochloromethane	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Ethylbenzene	ug/kg	6 U	**270**	**280**	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Methylene chloride	ug/kg	6 U	**88 F**	**99 F**	6 U	8 BU*	4 JBU*	6 U	13 BU*	6 UJ*	11 BU*
m-Xylene and p-Xylene	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	31 U	31 U	6 U	6 UJ*	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	6 U	31 U	31 U	6 U	**3 J**	6 UJ*	6 U	6 U	6 UJ*	6 UJ*
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	31 U	31 U	**4 J**	6 UJ*	6 UJ*	**4 J**	6 U	6 UJ*	6 UJ*
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
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B - Detected in associated method blank
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Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09S08 SS 6/10/1996 0 - 0.5	09S09 SS 6/10/1996 0 - 0.5	09S10 SS 5/29/1996 0 - 0.5	09S11 SS 6/7/1996 0 - 0.5	09S12 SS 6/7/1996 0 - 0.5	09S13 SS 5/30/1996 0 - 0.5	09S14 SS 5/29/1996 0 - 0.5	09S15 SS 5/29/1996 0 - 0.5	09S16 SS 5/29/1996 0 - 0.5	09S17 SS 5/29/1996 0 - 0.5
Volatile Organic Compounds	**Units**										
1,1,2-Trichloroethane	ug/kg										
1,1-Dichloroethene	ug/kg										
1,2,4-Trichlorobenzene	ug/kg										
1,2-Dichlorobenzene	ug/kg										
1,2-Dichloropropane	ug/kg										
1,2-Dichloroethane	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
1,4-Dichlorobenzene	ug/kg										
2-Butanone	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
2-Hexanone	ug/kg										
Acetone	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Benzene	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Bromodichloromethane	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Carbon disulfide	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Carbon tetrachloride	ug/kg										
Chloroform	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Dibromochloromethane	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Ethylbenzene	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Methylene chloride	ug/kg	**12**	**21**	6 UJ*	6 U	6 JBU*	6 U	8 BU*	6 UJ*	6 U	6 UJ*
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
Naphthalene	ug/kg										
o-Xylene	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
sec-Butylbenzene	ug/kg										
tert-Butylbenzene	ug/kg										
Tetrachloroethene	ug/kg										
Toluene	ug/kg	**6 J**	6 U	6 UJ*	6 U	8 U	6 U	6 UJ*	6 UJ*	6 U	6 UJ*
trans-1,2-Dichloroethene	ug/kg										
Trichloroethene	ug/kg	6 U	6 U	6 UJ*	6 U	8 U	**3 J**	6 UJ*	6 UJ*	**4 J**	6 UJ*
Vinyl chloride	ug/kg										
Xylenes (total)	ug/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
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B - Detected in associated method blank
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Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S18	09S19	09S20	09S21	09S45	GPS-D01-004	GPS-D01-008	GPS-D01-012	GPS-D008
	Sample Media:	SS	SS	SS	SS	SD	SB	SB	SB	SB
	Sample Date:	5/29/1996	6/10/1996	5/29/1996	6/7/1996	4/16/1997	6/30/2003	6/30/2003	6/30/2003	6/30/2003
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	4	8	12	8
Volatile Organic Compounds	**Units**									
1,1,2-Trichloroethane	ug/kg						5.3 U	5.5 U	5.7 U	5.6 U
1,1-Dichloroethene	ug/kg						5.3 U	5.5 U	5.7 U	5.6 U
1,2,4-Trichlorobenzene	ug/kg						5.3 U	5.5 U	5.7 U	5.6 U
1,2-Dichlorobenzene	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
1,2-Dichloropropane	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
1,2-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U	8 U				
1,4-Dichlorobenzene	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
2-Butanone	ug/kg	6 U	6 U	6 U	6 U	8 U	11 U	11 U	11 U	11 U
2-Hexanone	ug/kg						11 U	11 U	11 U	11 U
Acetone	ug/kg	6 U	6 U	6 U	6 U	**7 J**	27 U	35 U	11 U	35 U
Benzene	ug/kg	6 U	6 U	6 U	6 U	8 U	3.2 U	3.3 U	3.4 U	3.4 U
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	8 U				
Carbon disulfide	ug/kg	6 U	6 U	6 U	6 U	8 U	5.3 U	5.5 U	5.7 U	5.6 U
Carbon tetrachloride	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
Chloroform	ug/kg	6 U	6 U	6 U	6 U	8 U	3.2 U	3.3 U	3.4 U	3.4 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	8 U	5.3 U	**2.6 J**	**93**	**2.7 J**
Dibromochloromethane	ug/kg	6 U	6 U	6 U	6 U	8 U				
Ethylbenzene	ug/kg	6 U	6 U	6 U	6 U	8 U	3.2 U	3.3 U	3.4 U	3.4 U
Methylene chloride	ug/kg	6 U	6 U	16 BU*	6 U	**15**	5.3 U	5.5 U	5.7 U	5.6 U
m-Xylene and p-Xylene	ug/kg	6 U	6 U	6 U	6 U	8 U				
Naphthalene	ug/kg						11 U	11 U	11 U	11 U
o-Xylene	ug/kg	6 U	6 U	6 U	6 U	8 U				
sec-Butylbenzene	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
tert-Butylbenzene	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
Tetrachloroethene	ug/kg						3.2 U	3.3 U	3.4 U	3.4 U
Toluene	ug/kg	6 U	6 U	6 U	6 U	8 U	5.3 U	5.5 U	5.7 U	5.6 U
trans-1,2-Dichloroethene	ug/kg						3.2 U	3.3 U	**12**	3.4 U
Trichloroethene	ug/kg	**4 J**	6 U	6 U	6 U	8 U	3.2 U	3.3 U	**90**	**1.2 J**
Vinyl chloride	ug/kg						5.3 U	5.5 U	5.7 U	5.6 U
Xylenes (total)	ug/kg						11 U	11 U	11 U	11 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW- Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D02-004 SB 7/1/2003 4	GPS-D02-008 SB 7/1/2003 8	GPS-D02-012 SB 7/1/2003 12	GPS-D03-004 SB 7/1/2003 4	GPS-D03-008 SB 7/1/2003 8	GPS-D03-012 SB 7/1/2003 12	GPS-D03-204 SB 7/1/2003 4	GPS-D04-004 SB 7/1/2003 4	GPS-D04-008 SB 7/1/2003 8
Volatile Organic Compounds	**Units**									
1,1,2-Trichloroethane	ug/kg	5.5 U	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
1,1-Dichloroethene	ug/kg	5.5 U	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
1,2,4-Trichlorobenzene	ug/kg	5.5 U	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
1,2-Dichlorobenzene	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
1,2-Dichloropropane	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
1,2-Dichloroethane	ug/kg									
1,4-Dichlorobenzene	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
2-Butanone	ug/kg	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
2-Hexanone	ug/kg	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
Acetone	ug/kg	35 U	34 U	11 U	30 U	12 U	11 U	21 U	30 U	12 U
Benzene	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
Bromodichloromethane	ug/kg									
Carbon disulfide	ug/kg	**3.2 J**	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
Carbon tetrachloride	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
Chloroform	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
cis-1,2-Dichloroethene	ug/kg	5.5 U	**7.5**	**29**	5.7 U	**3 J**	**22**	5.2 U	5.2 U	6.2 U
Dibromochloromethane	ug/kg									
Ethylbenzene	ug/kg	**4.2**	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
Methylene chloride	ug/kg	5.5 U	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
m-Xylene and p-Xylene	ug/kg									
Naphthalene	ug/kg	11 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
o-Xylene	ug/kg									
sec-Butylbenzene	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
tert-Butylbenzene	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
Tetrachloroethene	ug/kg	3.3 U	3.6 U	3.2 U	3.4 U	3.4 U	3.2 U	3.1 U	3.1 U	3.7 U
Toluene	ug/kg	5.5 U	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
trans-1,2-Dichloroethene	ug/kg	3.3 U	3.6 U	**5.7**	3.4 U	3.4 U	**4.8**	3.1 U	3.1 U	3.7 U
Trichloroethene	ug/kg	3.3 U	**1.5 J**	**100**	3.4 U	**1.9 J**	**71**	3.1 U	3.1 U	3.7 U
Vinyl chloride	ug/kg	5.5 U	6 U	5.4 U	5.7 U	5.7 U	5.4 U	5.2 U	5.2 U	6.2 U
Xylenes (total)	ug/kg	**1.2 J**	12 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
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U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D04-008-RE SB 7/1/2003 8	GPS-D04-012 SB 7/1/2003 12	SED-014 SS 1/1/2000	S-119A SB 1/1/2000 1 - 2	S-119A SB 1/1/2000 2 - 4	S-268 1-3 SB 1/1/2000 1 - 3	S-268 4-6 SB 1/1/2000 4 - 6	S-276 4-6 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**								
1,1,2-Trichloroethane	ug/kg	5.9 R	5.4 U						
1,1-Dichloroethene	ug/kg	5.9 R	5.4 U		5.4 U	3.9 U	3.2 U	4 U	3.6 U
1,2,4-Trichlorobenzene	ug/kg	5.9 R	5.4 U						
1,2-Dichlorobenzene	ug/kg	3.6 R	3.2 U						
1,2-Dichloropropane	ug/kg	3.6 R	3.2 U						
1,2-Dichloroethane	ug/kg								
1,4-Dichlorobenzene	ug/kg	3.6 R	3.2 U						
2-Butanone	ug/kg	12 R	11 U	**41**	**12 J**	3.9 U	**11**	**17**	**16**
2-Hexanone	ug/kg	12 R	11 U		**28**	3.9 U	3.2 U	4 U	**55**
Acetone	ug/kg	13 R	15 U	**91**	**110 J**	**16 J**	**43**	**83**	**85**
Benzene	ug/kg	3.6 R	3.2 U	16 U					
Bromodichloromethane	ug/kg								
Carbon disulfide	ug/kg	5.9 R	**2.8 J**	16 U	5.4 U	3.9 U	3.2 U	4 U	**9.5**
Carbon tetrachloride	ug/kg	3.6 R	3.2 U		**22**	**22**	3.2 U	4 U	3.6 U
Chloroform	ug/kg	3.6 R	3.2 U		5.4 U	**5.9**	3.2 U	4 U	3.6 U
cis-1,2-Dichloroethene	ug/kg	5.9 R	5.4 U	7.7 U	5.4 U	3.9 U	3.2 U	4 U	3.6 U
Dibromochloromethane	ug/kg								
Ethylbenzene	ug/kg	3.6 R	3.2 U						
Methylene chloride	ug/kg	5.9 R	5.4 U		16 U	12 U	9.5 U	12 U	11 U
m-Xylene and p-Xylene	ug/kg								
Naphthalene	ug/kg	12 R	11 U						
o-Xylene	ug/kg								
sec-Butylbenzene	ug/kg	3.6 R	3.2 U						
tert-Butylbenzene	ug/kg	3.6 R	3.2 U						
Tetrachloroethene	ug/kg	3.6 R	3.2 U						
Toluene	ug/kg	5.9 R	5.4 U						
trans-1,2-Dichloroethene	ug/kg	3.6 R	3.2 U		5.4 U	3.9 U	3.2 U	4 U	3.6 U
Trichloroethene	ug/kg	3.6 R	3.2 U	1.54 U	**83**	**45**	3.2 U	4 U	3.6 U
Vinyl chloride	ug/kg	5.9 R	5.4 U		5.4 U	3.9 U	3.2 U	4 U	3.6 U
Xylenes (total)	ug/kg	12 R	11 U						

Notes:
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Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-278A SB 1/1/2000 1 - 2	S-278A SB 1/1/2000 2 - 4	S-296A SB 1/1/2000 1 - 2	S-296A SB 1/1/2000 2 - 4	S-304 SB 1/1/2000 1 - 2	S-304 SB 1/1/2000 2 - 4	S-308A SB 1/1/2000 1 - 2	S-308A SB 1/1/2000 2 - 4	S-310A SB 1/1/2000 1 - 2
Volatile Organic Compounds	**Units**									
1,1,2-Trichloroethane	ug/kg									
1,1-Dichloroethene	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
1,2,4-Trichlorobenzene	ug/kg									
1,2-Dichlorobenzene	ug/kg									
1,2-Dichloropropane	ug/kg									
1,2-Dichloroethane	ug/kg									
1,4-Dichlorobenzene	ug/kg									
2-Butanone	ug/kg	4.6 U	3.8 U	4.2 U	4 U	**5.2 J**	5.6 U	4.5 U	4.1 U	**7.5 J**
2-Hexanone	ug/kg	**5**	3.8 U	**5.2**	4 U	**7.6**	5.6 U	4.5 U	4.1 U	**11**
Acetone	ug/kg	**32 J**	11 U	**66 J**	**21 J**	**66 J**	**46 J**	**24 J**	**32 J**	**90 J**
Benzene	ug/kg									
Bromodichloromethane	ug/kg									
Carbon disulfide	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
Carbon tetrachloride	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
Chloroform	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
cis-1,2-Dichloroethene	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
Dibromochloromethane	ug/kg									
Ethylbenzene	ug/kg									
Methylene chloride	ug/kg	14 U	11 U	13 U	12 U	13 U	17 U	14 U	12 U	17 U
m-Xylene and p-Xylene	ug/kg									
Naphthalene	ug/kg									
o-Xylene	ug/kg									
sec-Butylbenzene	ug/kg									
tert-Butylbenzene	ug/kg									
Tetrachloroethene	ug/kg									
Toluene	ug/kg									
trans-1,2-Dichloroethene	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
Trichloroethene	ug/kg	4.6 U	**5.7**	4.2 U	**13**	**6.4**	**14**	4.5 U	**18**	**200 L**
Vinyl chloride	ug/kg	4.6 U	3.8 U	4.2 U	4 U	4.4 U	5.6 U	4.5 U	4.1 U	5.5 U
Xylenes (total)	ug/kg									

Notes:
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Table 6-18
VOC Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-310A SB 1/1/2000 2 - 4	09S45[1] SW 4/16/1997	SW-014[1] SW 1/1/2000
Volatile Organic Compounds	**Units**			
1,1,2-Trichloroethane	ug/kg			
1,1-Dichloroethene	ug/kg	4.3 U		
1,2,4-Trichlorobenzene	ug/kg			
1,2-Dichlorobenzene	ug/kg			
1,2-Dichloropropane	ug/kg			
1,2-Dichloroethane	ug/kg			
1,4-Dichlorobenzene	ug/kg			
2-Butanone	ug/kg	**7.9**		
2-Hexanone	ug/kg	**13**		
Acetone	ug/kg	**98**		1 U
Benzene	ug/kg			
Bromodichloromethane	ug/kg		1 U	
Carbon disulfide	ug/kg	4.3 U		
Carbon tetrachloride	ug/kg	4.3 U		
Chloroform	ug/kg	4.3 U	1 U	
cis-1,2-Dichloroethene	ug/kg	4.3 U	**3**	**4.3**
Dibromochloromethane	ug/kg			
Ethylbenzene	ug/kg		1 U	
Methylene chloride	ug/kg	13 U		1U
m-Xylene and p-Xylene	ug/kg		1 U	
Naphthalene	ug/kg			
o-Xylene	ug/kg		1 U	
sec-Butylbenzene	ug/kg			
tert-Butylbenzene	ug/kg			
Tetrachloroethene	ug/kg			
Toluene	ug/kg		1 U	
trans-1,2-Dichloroethene	ug/kg	4.3 U		
Trichloroethene	ug/kg	**6**	**4**	**5.2**
Vinyl chloride	ug/kg	4.3 U		
Xylenes (total)	ug/kg			

Notes:
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SS - Surface Soil
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U - Qualified as undetected
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B - Detected in associated method blank
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
VOC Soil Mobile Lab Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-115	S-115	S-115	S-118	S-118	S-118	S-119
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	5 - 7	9 - 11	1 - 3	5 - 7	9 - 11	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.01 U	1.12 U	1.12 U	1.02 U	1.14 U	1 U	1.2 U
cis-1,2-Dichloroethene	ug/kg	5.07 U	5.59 U	**12**	5.09 U	5.68 U	**29.1**	5.98 U
Tetrachloroethene	ug/kg	1.01 U	1.12 U	1.12 U	1.02 U	1.14 U	1 U	1.2 U
Trichloroethene	ug/kg	1.01 U	**1.14**	**15.6**	1.02 U	**2.31**	**184**	**20.1**

Analyte	Sample Location:	S-119	S-119	S-126	S-126	S-126	S-128	S-128
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	5 - 7	9 - 11	1 - 3	5 - 7	9 - 11	1 - 3	5 - 7
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	**36.8**	**57.1**	1.23 U	0.98 U	0.92 U	1.32 U	0.99 U
cis-1,2-Dichloroethene	ug/kg	4.15 U	5.45 U	6.15 U	**13.2**	**29.1**	6.61 U	4.96 U
Tetrachloroethene	ug/kg	0.83 U	1.09 U	1.23 U	0.98 U	0.92 U	1.32 U	0.99 U
Trichloroethene	ug/kg	**65.9**	**296**	1.23 U	**7.98**	**270**	1.32 U	0.99 U

Analyte	Sample Location:	S-128	S-129	S-129	S-129	S-145	S-145	S-146
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	9 - 11	1 - 3	5 - 7	9 - 11	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.16 U	1.16 U	1.13 U	1.3 U	1.13 U	1.06 U	1.2 U
cis-1,2-Dichloroethene	ug/kg	5.8 U	5.79 U	5.66 U	**41.4**	5.66 U	5.29 U	6 U
Tetrachloroethene	ug/kg	1.16 U	1.16 U	1.13 U	1.3 U	1.13 U	1.06 U	1.2 U
Trichloroethene	ug/kg	1.16 U	1.16 U	**1.59**	**213**	1.13 U	1.06 U	1.2 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected

Table 6-18
VOC Soil Mobile Lab Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-146	S-147	S-147	S-148	S-148	S-149	S-149
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	1 - 3	3 - 5	1 - 3	4 - 6	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.27 U	1.18 U	1.14 U	1.37 U	1.2 U	1.25 U	1.23 U
cis-1,2-Dichloroethene	ug/kg	6.37 U	5.89 U	5.68 U	6.86 U	6.02 U	6.26 U	6.17 U
Tetrachloroethene	ug/kg	1.27 U	1.18 U	1.14 U	1.37 U	1.2 U	1.25 U	1.23 U
Trichloroethene	ug/kg	1.27 U	1.18 U	1.14 U	1.37 U	1.2 U	1.25 U	1.23 U

Analyte	Sample Location:	S-150	S-151	S-151	S-152	S-152	S-153	S-153
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	1 - 3	3 - 5	1 - 3	3 - 5	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.1 U	1.63 U	1.1 U	1.15 U	1.18 U	1.73 U	1.26 U
cis-1,2-Dichloroethene	ug/kg	5.52 U	8.14 U	5.51 U	5.77 U	5.92 U	8.67 U	6.32 U
Tetrachloroethene	ug/kg	1.1 U	1.63 U	1.1 U	1.15 U	1.18 U	1.73 U	1.26 U
Trichloroethene	ug/kg	1.1 U	**5.55**	**8.97**	1.15 U	**2.3**	1.73 U	**19.2**

Analyte	Sample Location:	S-154	S-154	S-155	S-155	S-156	S-156	S-157
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.19 U	1.22 U	1.63 U	1.36 U	1.05 U	1.15 U	1.47 U
cis-1,2-Dichloroethene	ug/kg	5.96 U	6.08 U	8.17 U	6.81 U	5.25 U	5.76 U	7.35 U
Tetrachloroethene	ug/kg	1.19 U	1.22 U	1.63 U	1.36 U	1.05 U	1.15 U	1.47 U
Trichloroethene	ug/kg	1.19 U	1.22 U	1.63 U	1.36 U	1.05 U	1.15 U	1.47 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected

Table 6-18
VOC Soil Mobile Lab Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-157	S-173	S-173	S-174	S-174	S-175	S-175
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	1 - 3	4 - 6	1 - 3	3 - 5	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.11 U	1.28 U	1.2 U	1.48 U	1.14 U	1.14 U	1.18 U
cis-1,2-Dichloroethene	ug/kg	5.57 U	6.38 U	6.02 U	7.4 U	5.72 U	5.72 U	5.91 U
Tetrachloroethene	ug/kg	1.11 U	1.28 U	1.2 U	1.48 U	1.14 U	1.14 U	1.18 U
Trichloroethene	ug/kg	1.11 U	1.28 U	**11.6**	1.48 U	1.14 U	1.14 U	1.18 U

Analyte	Sample Location:	S-176	S-176	S-178	S-178	S-179	S-179	S-180
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.04 U	1.08 U	1.08 U	1.02 U	1.01 U	1.1 U	1.18 U
cis-1,2-Dichloroethene	ug/kg	5.21 U	**50.2**	5.42 U	5.11 U	5.05 U	5.51 U	5.92 U
Tetrachloroethene	ug/kg	1.04 U	1.08 U	1.08 U	1.02 U	1.01 U	1.1 U	1.18 U
Trichloroethene	ug/kg	**2.6**	1.08 U	1.08 U	**3.56**	1.01 U	1.1 U	1.18 U

Analyte	Sample Location:	S-180	S-181	S-181	S-182	S-182	S-267	S-267
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	1 - 3	4 - 6	1 - 3	3 - 5	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.12 U	1.04 U	1.12 U	1.24 U	1.12 U	1.3 U	1.13 U
cis-1,2-Dichloroethene	ug/kg	5.59 U	5.21 U	5.59 U	6.22 U	5.61 U	6.51 U	5.64 U
Tetrachloroethene	ug/kg	1.12 U	1.04 U	1.12 U	1.24 U	1.12 U	1.3 U	1.13 U
Trichloroethene	ug/kg	**2.81**	1.04 U	1.12 U	1.24 U	**2.76**	1.3 U	1.13 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected

Table 6-18
VOC Soil Mobile Lab Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-268	S-268	S-276	S-276	S-277	S-277	S-278
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	1.5 - 3.5	4 - 6	1 - 3	3 - 5	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.01 U	1.14 U	1.13 U	1.02 U	1.1 U	1.04 U	1 U
cis-1,2-Dichloroethene	ug/kg	5.06 U	5.68 U	5.65 U	5.11 U	5.52 U	5.22 U	5.01 U
Tetrachloroethene	ug/kg	1.01 U	1.14 U	1.13 U	1.02 U	1.1 U	1.04 U	1 U
Trichloroethene	ug/kg	1.01 U	1.14 U	1.13 U	1.02 U	1.1 U	1.04 U	**9.86**

Analyte	Sample Location:	S-278	S-279	S-279	S-295	S-295	S-296	S-296
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	3 - 5	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	0.98 U	1.14 U	1.06 U	1.14 U	1.05 U	1.26 U	1.12 U
cis-1,2-Dichloroethene	ug/kg	4.88 U	5.68 U	5.31 U	5.7 U	5.26 U	6.3 U	**7.4**
Tetrachloroethene	ug/kg	0.98 U	1.14 U	1.06 U	1.14 U	1.05 U	1.26 U	1.12 U
Trichloroethene	ug/kg	**43.4**	1.14 U	**2.2**	1.14 U	1.05 U	**2.02**	**64.4**

Analyte	Sample Location:	S-304	S-304	S-305	S-305	S-306	S-306	S-307
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	1 - 3	5 - 7	1 - 3	4 - 6	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.32 U	1.19 U	1.06 U	1.22 U	1.45 U	1.19 U	1.31 U
cis-1,2-Dichloroethene	ug/kg	6.61 U	5.97 U	5.29 U	6.11 U	7.27 U	5.97 U	6.53 U
Tetrachloroethene	ug/kg	1.32 U	1.19 U	1.06 U	1.22 U	1.45 U	1.19 U	1.31 U
Trichloroethene	ug/kg	**5.43**	**37.8**	1.06 U	**4.79**	1.45 U	1.19 U	1.31 U

Notes:
Bold indicates that compound was detected.
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SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected

Table 6-18
VOC Soil Mobile Lab Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	S-307	S-308	S-308	S-309	S-309	S-310	S-310
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6	1 - 3	4 - 6
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.24 U	1.15 U	1.01 U	1.11 U	1.12 U	1.47 U	0.95 U
cis-1,2-Dichloroethene	ug/kg	6.2 U	5.77 U	5.03 U	5.57 U	5.58 U	7.36 U	4.73 U
Tetrachloroethene	ug/kg	1.24 U	1.15 U	1.01 U	1.11 U	1.12 U	1.47 U	0.95 U
Trichloroethene	ug/kg	1.24 U	**1.58**	**70.8**	1.11 U	1.12 U	**10.2**	**29.2**

Analyte	Sample Location:	S-311	S-311	S-312	S-312	S-313	S-313	S-314
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	1 - 3	4 - 6	1 - 3	4 - 5	1 - 3	3 - 5	1 - 3
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg	1.34 U	0.94 U					
cis-1,2-Dichloroethene	ug/kg	6.71 U	4.7 U	4.54 U	5.45 U	5.08 U	5.51 U	4.32 U
Tetrachloroethene	ug/kg	1.34 U	0.94 U					
Trichloroethene	ug/kg	1.34 U	0.94 U	0.91 U	1.09 U	1.02 U	1.1 U	0.86 U

Analyte	Sample Location:	S-314	S-315	S-315	S-316	S-316	S-317	S-317
	Sample Media:	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	3 - 5	1 - 3	3 - 5	1 - 3	4 - 6	1 - 3	3 - 5
Volatile Organic Compounds	**Units**							
Carbon tetrachloride	ug/kg							
cis-1,2-Dichloroethene	ug/kg	5.83 U	6.33 U	5.57 U	6.17 U	4.68 U	5.79 U	4.78 U
Tetrachloroethene	ug/kg							
Trichloroethene	ug/kg	1.17 U	1.27 U	1.11 U	1.23 U	0.94 U	1.16 U	0.96 U

Notes:
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U - Qualified as undetected

Table 6-18
VOC Soil Mobile Lab Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	S-318 SB 1/1/2000 1 - 3	S-318 SB 1/1/2000 4 - 6
Volatile Organic Compounds	**Units**		
Carbon tetrachloride	ug/kg	1.31 U	1.06 U
cis-1,2-Dichloroethene	ug/kg	6.56 U	5.32 U
Tetrachloroethene	ug/kg	1.31 U	1.06 U
Trichloroethene	ug/kg	1.31 U	1.06 U

Notes:
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U - Qualified as undetected

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B01	09B01	09B01	09B02	09B02	09B03	09B03	09B03	09B04	09B04
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/4/1996	6/4/1996	6/4/1996	6/5/1996	6/5/1996
	Sample Depth:	1 - 4	4 - 8	8 - 12	1 - 4	4 - 7.5	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	**4100**	**6400**	400 U	410 U
4-Chloro-3-methylphenol	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	**370 J**	400 U	410 U
Acenaphthylene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Anthracene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	**150 J**	**210 J**	400 U	410 U
Benzo(a)anthracene	ug/kg	**78 J**	420 U	420 U	400 U	**98 J**	780 U	**210 J**	**270 J**	400 U	410 U
Benzo(a)pyrene	ug/kg	**80 J**	420 U	420 U	400 U	**87 J**	780 U	**97 J**	**180 J**	400 U	410 U
Benzo(b)fluoranthene	ug/kg	**110 J**	420 U	420 U	400 U	**120 J**	780 U	**130 J**	840 U	400 U	410 U
Benzo(g,h,i)perylene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Benzo(k)fluoranthene	ug/kg	**76 J**	420 U	420 U	400 U	**67 J**	780 U	**100 J**	**280 J**	400 U	410 U
Benzoic Acid	ug/kg	2100 U	2000 U	2000 U	1900 U	2000 U	3800 U	4000 U	4000 U	2000 U	2000 U
bis(2-Ethylhexyl)phthalate	ug/kg	**67 JF**	420 U	420 U	400 U	410 U	780 U	**98 J**	840 U	**48 JF**	410 U
Butyl benzyl phthalate	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Carbazole	ug/kg										
Chrysene	ug/kg	**100 J**	420 U	420 U	400 U	**110 J**	780 U	**200 J**	**300 J**	400 U	410 U
Dibenz(a,h)anthracene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Dibenzofuran	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	**200 J**	**260 J**	400 U	410 U
Dimethylphthalate	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Di-n-butylphthalate	ug/kg	**130 J**	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Fluoranthene	ug/kg	430 U	420 U	420 U	400 U	**190 J**	780 U	**470 J**	**750 J**	400 U	410 U
Fluorene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	**240 J**	**390 J**	400 U	410 U
Indeno(1,2,3-cd)pyrene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	**91 J**	400 U	410 U
Naphthalene	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	**2400**	**3600**	400 U	410 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Pentachlorophenol	ug/kg	2100 U	2000 U	2000 U	1900 U	2000 U	3800 U	4000 U	4000 U	2000 U	2000 U
Phenanthrene	ug/kg	**70 J**	420 U	420 U	400 U	**98 J**	780 U	**550 J**	**840**	400 U	410 U
Phenol	ug/kg	430 U	420 U	420 U	400 U	410 U	780 U	820 U	840 U	400 U	410 U
Pyrene	ug/kg	**170 J**	420 U	420 U	400 U	**190 J**	780 U	**450 J**	**660 J**	400 U	410 U

Notes:
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U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B04 SB 6/5/1996 8 - 11.8	09B05 SB 6/4/1996 1 - 4	09B05 SB 6/4/1996 12 - 16	09B05 SB 6/4/1996 4 - 8	09B05 SB 6/4/1996 8 - 12	09B06 SB 6/5/1996 1 - 4	09B06 SB 6/5/1996 12 - 16	09B06 SB 6/5/1996 4 - 8	09B06 SB 6/5/1996 8 - 12	09B07 SB 6/5/1996 1 - 4
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	**400 J**	820 U	800 U	820 U	820 U	390 U	**49 J**	410 U	**48 J**	400 U
4-Chloro-3-methylphenol	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Acenaphthylene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Anthracene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Benzo(a)anthracene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Benzo(a)pyrene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Benzo(b)fluoranthene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Benzo(g,h,i)perylene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Benzo(k)fluoranthene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Benzoic Acid	ug/kg	2000 U	4000 U	3800 U	4000 U	4000 U	1900 U	2000 U	2000 U	2000 U	1900 U
bis(2-Ethylhexyl)phthalate	ug/kg	410 U	820 U	800 U	820 U	**100 J**	390 U	400 U	410 U	420 U	400 U
Butyl benzyl phthalate	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Carbazole	ug/kg										
Chrysene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Dibenz(a,h)anthracene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Dibenzofuran	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Dimethylphthalate	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Di-n-butylphthalate	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Fluoranthene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Fluorene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Indeno(1,2,3-cd)pyrene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Naphthalene	ug/kg	**290 J**	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Pentachlorophenol	ug/kg	2000 U	4000 U	3800 U	4000 U	4000 U	1900 U	2000 U	2000 U	2000 U	1900 U
Phenanthrene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Phenol	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U
Pyrene	ug/kg	410 U	820 U	800 U	820 U	820 U	390 U	400 U	410 U	420 U	400 U

Notes:
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J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B07 SB 6/5/1996 4 - 8	09B07 SB 6/5/1996 8 - 12	09B08 SB 6/7/1996 1 - 4	09B08 SB 6/7/1996 4 - 8	09B08 SB 6/7/1996 8 - 11	09B09 SB 6/7/1996 1 - 4	09B09 SB 6/7/1996 12 - 16	09B09 SB 6/7/1996 4 - 8	09B09 SB 6/7/1996 8 - 12	09B10 SB 6/4/1996 1 - 4
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	420 U	**570**	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
4-Chloro-3-methylphenol	ug/kg	420 U	410 U	390 U	400 U	410 U	**46 J**	400 U	410 U	420 U	780 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Acenaphthylene	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Anthracene	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Benzo(a)anthracene	ug/kg	420 U	410 U	390 U	400 U	410 U	**230 J**	400 U	410 U	**81 J**	780 U
Benzo(a)pyrene	ug/kg	420 U	410 U	390 U	400 U	410 U	**260 J**	400 U	410 U	**78 J**	780 U
Benzo(b)fluoranthene	ug/kg	420 U	410 U	390 U	400 U	410 U	**200 J**	400 U	410 U	**75 J**	780 U
Benzo(g,h,i)perylene	ug/kg	420 U	410 U	390 U	400 U	410 U	**200 J**	400 U	410 U	**53 J**	780 U
Benzo(k)fluoranthene	ug/kg	420 U	410 U	390 U	400 U	410 U	**250 J**	400 U	410 U	**63 J**	780 U
Benzoic Acid	ug/kg	2000 U	2000 U	1900 U	1900 U	2000 U	2000 R	2000 U	2000 U	2000 U	3800 U
bis(2-Ethylhexyl)phthalate	ug/kg	420 U	**71 JF**	390 U	400 U	410 U	420 R	400 U	410 U	420 U	**89 J**
Butyl benzyl phthalate	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Carbazole	ug/kg										
Chrysene	ug/kg	420 U	410 U	390 U	400 U	410 U	**250 J**	400 U	410 U	**88 J**	780 U
Dibenz(a,h)anthracene	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Dibenzofuran	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Dimethylphthalate	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Di-n-butylphthalate	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Fluoranthene	ug/kg	420 U	410 U	390 U	400 U	410 U	**510**	400 U	410 U	**230 J**	780 U
Fluorene	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Indeno(1,2,3-cd)pyrene	ug/kg	420 U	410 U	390 U	400 U	410 U	**190 J**	400 U	410 U	**43 J**	780 U
Naphthalene	ug/kg	420 U	**230 J**	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Pentachlorophenol	ug/kg	2000 U	2000 U	1900 U	1900 U	2000 U	**87 J**	2000 U	2000 U	2000 U	3800 U
Phenanthrene	ug/kg	420 U	410 U	390 U	400 U	410 U	**220 J**	400 U	410 U	**140 J**	780 U
Phenol	ug/kg	420 U	410 U	390 U	400 U	410 U	420 R	400 U	410 U	420 U	780 U
Pyrene	ug/kg	420 U	410 U	390 U	400 U	410 U	**510**	400 U	410 U	**170 J**	780 U

Notes:
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D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B10 SB 6/4/1996 12 - 16	09B10 SB 6/4/1996 4 - 8	09B10 SB 6/4/1996 8 - 12	09B11 SB 6/6/1996 1 - 4	09B11 SB 6/6/1996 4 - 8	09B11 SB 6/6/1996 8 - 12	09B12 SB 6/7/1996 1 - 4	09B12 SB 6/7/1996 4 - 8	09B12 SB 6/7/1996 8 - 12	09B13 SB 6/7/1996 1 - 3.5
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	820 U	860 U	**1100**	420 U	410 U	410 U	390 U	420 U	420 U	380 U
4-Chloro-3-methylphenol	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Acenaphthylene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Anthracene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Benzo(a)anthracene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Benzo(a)pyrene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Benzo(b)fluoranthene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Benzo(g,h,i)perylene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Benzo(k)fluoranthene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Benzoic Acid	ug/kg	4000 U	4200 U	4000 U	2000 U	2000 U	2000 U	1900 U	2000 U	2000 U	1800 U
bis(2-Ethylhexyl)phthalate	ug/kg	820 U	**120 J**	**120 J**	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Butyl benzyl phthalate	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Carbazole	ug/kg										
Chrysene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Dibenz(a,h)anthracene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Dibenzofuran	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Dimethylphthalate	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Di-n-butylphthalate	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Fluoranthene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Fluorene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Indeno(1,2,3-cd)pyrene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Naphthalene	ug/kg	820 U	860 U	**610 J**	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Pentachlorophenol	ug/kg	4000 U	4200 U	4000 U	2000 U	2000 U	2000 U	1900 U	2000 U	2000 U	1800 U
Phenanthrene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Phenol	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U
Pyrene	ug/kg	820 U	860 U	840 U	420 U	410 U	410 U	390 U	420 U	420 U	380 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
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SD - Sediment
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J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
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* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B14	09B14	09B15	09B15	09B15	09B16	09B16	09B16	09B17	09B17
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/6/1996	6/6/1996
	Sample Depth:	1 - 4	4 - 8	1 - 4	4 - 8	8 - 10.5	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	430 R	**220 J**	410 U	**1200**	**1700**	390 U	400 U	**1600**	400 U	**2900**
4-Chloro-3-methylphenol	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Acenaphthylene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Anthracene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Benzo(a)anthracene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Benzo(a)pyrene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Benzo(b)fluoranthene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Benzo(g,h,i)perylene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Benzo(k)fluoranthene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Benzoic Acid	ug/kg	2100 R	2100 U	2000 U	2600 U	2000 U	1900 U	2000 U	2000 U	2000 U	10000 U
bis(2-Ethylhexyl)phthalate	ug/kg	430 R	430 U	410 U	540 U	410 U	**41 J**	400 U	420 U	400 U	2100 U
Butyl benzyl phthalate	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Carbazole	ug/kg										
Chrysene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Dibenz(a,h)anthracene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Dibenzofuran	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	**51 J**	400 U	2100 U
Dimethylphthalate	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Di-n-butylphthalate	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Fluoranthene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Fluorene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Indeno(1,2,3-cd)pyrene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Naphthalene	ug/kg	430 R	430 U	410 U	**490 J**	**800**	390 U	400 U	**820**	400 U	**1500 J**
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Pentachlorophenol	ug/kg	2100 R	2100 U	2000 U	2600 U	2000 U	1900 U	2000 U	2000 U	2000 U	10000 U
Phenanthrene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Phenol	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U
Pyrene	ug/kg	430 R	430 U	410 U	540 U	410 U	390 U	400 U	420 U	400 U	2100 U

Notes:
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SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B17 SB 6/6/1996 8 - 12	09B18 SB 6/6/1996 1 - 4	09B18 SB 6/6/1996 4 - 8	09B18 SB 6/6/1996 8 - 11.9	09B19 SB 6/6/1996 1 - 4	09B19 SB 6/6/1996 4 - 8	09B19 SB 6/6/1996 8 - 10.5	09B20 SB 6/10/1996 1 - 4	09B20 SB 6/10/1996 4 - 8	09B20 SB 6/10/1996 8 - 11.7
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	**830**	400 U	430 U	**1500**	410 U	410 U	410 U	420 U	410 U	420 U
4-Chloro-3-methylphenol	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Acenaphthylene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Anthracene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Benzo(a)anthracene	ug/kg	370 U	**63 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Benzo(a)pyrene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Benzo(b)fluoranthene	ug/kg	370 U	**81 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Benzo(g,h,i)perylene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Benzo(k)fluoranthene	ug/kg	370 U	**73 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Benzoic Acid	ug/kg	1800 U	2000 U	2100 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
bis(2-Ethylhexyl)phthalate	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Butyl benzyl phthalate	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Carbazole	ug/kg										
Chrysene	ug/kg	370 U	**79 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Dibenz(a,h)anthracene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Dibenzofuran	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Dimethylphthalate	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Di-n-butylphthalate	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Fluoranthene	ug/kg	370 U	**140 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Fluorene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Indeno(1,2,3-cd)pyrene	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Naphthalene	ug/kg	**390**	400 U	430 U	**1000**	410 U	410 U	410 U	420 U	410 U	420 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Pentachlorophenol	ug/kg	1800 U	2000 U	2100 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U
Phenanthrene	ug/kg	370 U	**62 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Phenol	ug/kg	370 U	400 U	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U
Pyrene	ug/kg	370 U	**130 J**	430 U	420 U	410 U	410 U	410 U	420 U	410 U	420 U

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Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	09B21 SB 6/10/1996 1 - 4	09B21 SB 6/10/1996 4 - 8	09B21 SB 6/10/1996 8 - 10.7	09S01 SS 5/30/1996 0 - 0.5	09S02 SS 5/30/1996 0 - 0.5	09S03 SS 5/30/1996 0 - 0.5	09S04 SS 5/30/1996 0 - 0.5	09S05 SS 5/29/1996 0 - 0.5	09S06 SS 5/29/1996 0 - 0.5	09S07 SS 5/30/1996 0 - 0.5
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	400 U	**110 J**	**280 J**	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
4-Chloro-3-methylphenol	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	400 U	410 U	410 U	840 U	760 U	**130 J**	**4400 J**	**140 J**	**85 J**	850 U
Acenaphthylene	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
Anthracene	ug/kg	400 U	410 U	410 U	**170 J**	760 U	**240 J**	**11000**	**370 J**	**330 J**	850 U
Benzo(a)anthracene	ug/kg	400 U	410 U	410 U	**1000**	**130 J**	**1400**	**43000**	**2300**	**1300**	**450 J**
Benzo(a)pyrene	ug/kg	400 U	410 U	410 U	**870**	760 U	**1600**	**41000**	**2800**	**1300**	**500 J**
Benzo(b)fluoranthene	ug/kg	400 U	410 U	410 U	**820 J**	**150 J**	**1300**	**44000**	**2600**	**1300**	**600 J**
Benzo(g,h,i)perylene	ug/kg	400 U	410 U	410 U	**380 J**	760 U	**980**	**20000**	**1400**	**570**	**240 J**
Benzo(k)fluoranthene	ug/kg	400 U	410 U	410 U	**890**	**180 J**	**2100**	**32000**	**3200**	**1400**	**460 J**
Benzoic Acid	ug/kg	2000 U	2000 U	2000 U	4000 U	3700 U	4000 U	42000 U	2000 U	2000 U	4100 U
bis(2-Ethylhexyl)phthalate	ug/kg	400 U	**86 J**	410 U	**96 J**	760 U	**100 J**	8700 U	260 JBU*	82 JBU*	850 U
Butyl benzyl phthalate	ug/kg	400 U	410 U	410 U	**200 J**	760 U	**340 J**	8700 U	420 U	410 U	850 U
Carbazole	ug/kg										
Chrysene	ug/kg	400 U	410 U	410 U	**1100**	**150 J**	**1700**	**46000**	**2400**	**1400**	**540 J**
Dibenz(a,h)anthracene	ug/kg	400 U	410 U	410 U	**160 J**	760 U	**400 J**	**10000**	**340 J**	**160 J**	850 U
Dibenzofuran	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	**1700 J**	420 U	410 U	850 U
Dimethylphthalate	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
Di-n-butylphthalate	ug/kg	400 U	410 U	410 U	**230 J**	**160 J**	**340 J**	8700 U	**130 J**	**67 J**	850 U
Fluoranthene	ug/kg	400 U	410 U	410 U	**1800**	**280 J**	**2800**	**90000**	**3700**	**2700**	**940**
Fluorene	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	**3700 J**	**94 J**	**79 J**	850 U
Indeno(1,2,3-cd)pyrene	ug/kg	400 U	410 U	410 U	**360 J**	760 U	**860**	**19000**	**1600**	**680**	**250 J**
Naphthalene	ug/kg	400 U	410 U	**110 J**	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
Pentachlorophenol	ug/kg	2000 U	2000 U	2000 U	4000 U	3700 U	4000 U	42000 U	2000 U	2000 U	4100 U
Phenanthrene	ug/kg	400 U	410 U	410 U	**680 J**	**230 J**	**1600**	**46000**	**1600**	**1300**	**520 J**
Phenol	ug/kg	400 U	410 U	410 U	840 U	760 U	810 U	8700 U	420 U	410 U	850 U
Pyrene	ug/kg	400 U	410 U	410 U	**1900**	**330 J**	**3400**	**82000**	**6000**	**3300**	**1100**

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Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S08	09S09	09S10	09S11	09S12	09S13	09S14	09S15	09S16	09S17
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/10/1996	6/10/1996	5/29/1996	6/7/1996	6/7/1996	5/30/1996	5/29/1996	5/29/1996	5/29/1996	5/29/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	400 U	410 U	400 U	400 U	520 U	**170 J**	**46 J**	410 U	390 U	**62 J**
4-Chloro-3-methylphenol	ug/kg	400 U	410 U	400 U	400 U	520 U	800 U	410 U	410 U	390 U	410 U
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	**240 J**	**45 J**	400 U	400 U	520 U	**1000**	**360 J**	410 U	**48 J**	**100 J**
Acenaphthylene	ug/kg	400 U	410 U	400 U	400 U	520 U	800 U	410 U	410 U	390 U	410 U
Anthracene	ug/kg	**480**	410 U	**120 J**	**56 J**	520 U	**2000**	**820**	**56 J**	**73 J**	**210 J**
Benzo(a)anthracene	ug/kg	**2700**	**330 J**	**540**	**130 J**	**240 J**	**11000**	**4100**	**260 J**	**390**	**1000**
Benzo(a)pyrene	ug/kg	**3300**	**360 J**	**710**	**150 J**	**320 J**	**13000**	**4900**	**300 J**	**460**	**1200**
Benzo(b)fluoranthene	ug/kg	**3000**	**380 J**	**760**	**120 J**	**260 J**	**12000**	**5700**	**280 J**	**420**	**1300**
Benzo(g,h,i)perylene	ug/kg	**2300**	**250 J**	**370 J**	**97 J**	**190 J**	**9100**	**2600**	**160 J**	**240 J**	**630**
Benzo(k)fluoranthene	ug/kg	**3200**	**360 J**	**700**	**140 J**	**260 J**	**13000**	**4600**	**330 J**	**500**	**1200**
Benzoic Acid	ug/kg	2000 U	2000 U	1900 U	1900 U	2500 U	**160 J**	**44 J**	**98 J**	**62 J**	2000 U
bis(2-Ethylhexyl)phthalate	ug/kg	**69 J**	410 U	74 JBU*	**55 J**	**96 J**	**330 J**	220 JBU*	120 JBU*	52 JBU*	62 JBU*
Butyl benzyl phthalate	ug/kg	**100 J**	410 U	400 U	400 U	**680**	**1400**	**360 J**	**81 J**	**70 J**	410 U
Carbazole	ug/kg										
Chrysene	ug/kg	**3100**	**420**	**590**	**150 J**	**310 J**	**12000**	**4600**	**300 J**	**450**	**1200**
Dibenz(a,h)anthracene	ug/kg	**740**	410 U	**100 J**	**49 J**	**68 J**	**4000**	**540**	410 U	**46 J**	**140 J**
Dibenzofuran	ug/kg	**60 J**	410 U	400 U	400 U	520 U	**280 J**	**110 J**	410 U	390 U	**47 J**
Dimethylphthalate	ug/kg	**64 J**	410 U	400 U	400 U	520 U	800 U	410 U	410 U	390 U	410 U
Di-n-butylphthalate	ug/kg	**120 J**	410 U	**56 J**	**50 J**	**720**	**770 J**	**230 J**	**72 J**	**89 J**	**55 J**
Fluoranthene	ug/kg	**5700**	**620**	**970**	**280 J**	**440 J**	**18000 E**	**6800 E**	**650**	**920**	**2200**
Fluorene	ug/kg	**190 J**	410 U	400 U	400 U	520 U	**660 J**	**300 J**	410 U	390 U	**76 J**
Indeno(1,2,3-cd)pyrene	ug/kg	**2000**	**220 J**	**400**	**110 J**	**180 J**	**7900**	**2800**	**170 J**	**260 J**	**680**
Naphthalene	ug/kg	400 U	410 U	400 U	400 U	520 U	**97 J**	**57 J**	410 U	390 U	**60 J**
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	400 U	410 U	400 U	400 U	520 U	800 U	410 U	410 U	390 U	410 U
Pentachlorophenol	ug/kg	2000 U	2000 U	1900 U	1900 U	2500 U	3900 U	2000 U	2000 U	1900 U	2000 U
Phenanthrene	ug/kg	**3000**	**390 J**	**330 J**	**200 J**	**170 J**	**11000**	**4000**	**360 J**	**540**	**1200**
Phenol	ug/kg	400 U	410 U	**160 J**	400 U	520 U	800 U	410 U	410 U	390 U	410 U
Pyrene	ug/kg	**6300**	**710**	**1300**	**270 J**	**500 J**	**26000 E**	**12000 E**	**630**	**950**	**2700**

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E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S18	09S19	09S20	09S21	09S22	SED-014	SS-077	SS-078	SS-079	SS-105
	Sample Media:	SS	SS	SS	SS	SD	SD	SS	SS	SS	SS
	Sample Date:	5/29/1996	6/10/1996	5/29/1996	6/7/1996	6/5/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Semivolatile Organic Compounds	**Units**										
2-Chlorophenol	ug/kg										
2-Methylnaphthalene	ug/kg	420 U	410 U	410 U	410 U	460 U		350 UJ*	360 U	330 U	370 U
4-Chloro-3-methylphenol	ug/kg	420 U	410 U	410 U	410 U	460 U					
4-Nitrophenol	ug/kg										
Acenaphthene	ug/kg	420 U	**44 J**	410 U	**100 J**	**63 J**		350 UJ*	360 U	330 U	370 U
Acenaphthylene	ug/kg	420 U	410 U	410 U	**44 J**	460 U		350 UJ*	360 U	330 U	370 U
Anthracene	ug/kg	420 U	410 U	410 U	**320 J**	**140 J**	**2100 J**	350 UJ*	360 U	330 U	370 U
Benzo(a)anthracene	ug/kg	**79 J**	**230 J**	**60 J**	**3100**	**440 J**	**1700 J**	**130 J**	**100 J**	**210 J**	**370**
Benzo(a)pyrene	ug/kg	**98 J**	**250 J**	**69 J**	**4200**	**520**	**2300 J**	**130 J,B**	**120 J,B**	**150 J,B**	**450**
Benzo(b)fluoranthene	ug/kg	**97 J**	**240 J**	**68 J**	**4000**	**520**	**3700 J**	**230**	**230 J**	**220 J**	**750**
Benzo(g,h,i)perylene	ug/kg	**51 J**	**180 J**	410 U	**2300**	**430 J**	**1700 J**	**120 J**	**110 J**	**110 J**	370 U
Benzo(k)fluoranthene	ug/kg	**100 J**	**260 J**	**77 J**	**2900**	**400 J**	**3500 J**	**100 J,B**	**91 J,B**	**150 J,B**	370 U
Benzoic Acid	ug/kg	**45 J**	2000 U	2000 U	2000 U	**150 J**					
bis(2-Ethylhexyl)phthalate	ug/kg	44 JBU*	**52 J**	78 JBU*	**400 J**	**190 J**	9500 U	**280 J,B**	360 U	330 U	370 U
Butyl benzyl phthalate	ug/kg	420 U	**52 J**	410 U	**66 J**	**130 J**		**110 J**	**250 J**	330 U	370 U
Carbazole	ug/kg							350 UJ*	360 U	330 U	370 U
Chrysene	ug/kg	**100 J**	**300 J**	**69 J**	**3400**	**510**	**2400 J**	**170 J**	**120 J**	**270 J**	**570**
Dibenz(a,h)anthracene	ug/kg	420 U	410 U	410 U	**940**	**190 J**	**3000 J**	350 UJ*	360 U	330 U	370 U
Dibenzofuran	ug/kg	420 U	410 U	410 U	410 U	460 U		350 UJ*	360 U	330 U	370 U
Dimethylphthalate	ug/kg	420 U	410 U	410 U	410 U	460 U		350 UJ*	360 U	330 U	370 U
Di-n-butylphthalate	ug/kg	420 U	**90 J**	410 U	**68 J**	**90 J**		**150 J**	**230 J**	330 U	370 U
Fluoranthene	ug/kg	**170 J**	**500**	**130 J**	**4100**	**1100**	**3500 J**	**230 J**	**200 J**	**320 J**	**700**
Fluorene	ug/kg	420 U	410 U	410 U	**64 J**	**49 J**		350 UJ*	360 U	330 U	370 U
Indeno(1,2,3-cd)pyrene	ug/kg	**54 J**	**170 J**	410 U	**2900**	**350 J**	9500 U	**120 J**	**120 J**	**110 J**	370 U
Naphthalene	ug/kg	420 U	410 U	410 U	410 U	460 U		350 UJ*	360 U	330 U	370 U
Nitrobenzene	ug/kg										
N-Nitrosodiphenylamine	ug/kg	420 U	410 U	410 U	410 U	460 U		350 UJ*	360 U	330 U	370 U
Pentachlorophenol	ug/kg	2000 U	2000 U	2000 U	2000 U	2200 U					
Phenanthrene	ug/kg	**76 J**	**370 J**	**52 J**	**1100**	**510**	**2000 J**	**110 J**	**83 J**	**100 J**	370 U
Phenol	ug/kg	420 U	410 U	410 U	410 U	460 U		350 UJ*	360 U	330 U	370 U
Pyrene	ug/kg	**170 J**	**520**	**130 J**	**4800**	**740**	**3500 J**	**210 J**	**170 J**	**310 J**	**700**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	SS-106	SS-107	SS-108	SS-109	SS-110	SS-111	SS-114	SS-115	GPS-D01-001
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	6/30/2003
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1
Semivolatile Organic Compounds	**Units**									
2-Chlorophenol	ug/kg									400 U
2-Methylnaphthalene	ug/kg	360 U	360 U	350 U	350 U	350 U	**130 J**	306 U	350 U	400 U
4-Chloro-3-methylphenol	ug/kg									400 U
4-Nitrophenol	ug/kg									790 U
Acenaphthene	ug/kg	360 U	360 U	350 U	350 U	**78 J**	**770**	**160 J**	350 U	400 U
Acenaphthylene	ug/kg	360 U	360 U	350 U	350 U	350 U	350 U	306 U	350 U	
Anthracene	ug/kg	360 U	360 U	**84 J**	350 U	**76 J**	**1300**	**340 J**	350 U	
Benzo(a)anthracene	ug/kg	360 U	360 U	**360**	**140 J**	**370**	**7400 D**	**1800**	**150 J**	400 U
Benzo(a)pyrene	ug/kg	360 U	360 U	**310 J**	**130 J**	**300 J**	**7500 D**	**1900**	**190 J**	400 U
Benzo(b)fluoranthene	ug/kg	360 U	360 U	**510**	**190 J**	**670**	**11000 D**	**3000 D**	**300 J**	400 U
Benzo(g,h,i)perylene	ug/kg	360 U	360 U	**160 J,B**	**110 J,B**	**360 B**	**5200 B,D**	**1000 B**	**170 J,B**	400 U
Benzo(k)fluoranthene	ug/kg	360 U	360 U	**220 J**	**72 J**	**320 J**	**2800**	**1200**	**120 J**	400 U
Benzoic Acid	ug/kg									
bis(2-Ethylhexyl)phthalate	ug/kg	360 U	360 U	**100 J**	350 U	**140 J**	**1400**	**720**	**100 J**	400 U
Butyl benzyl phthalate	ug/kg	360 U	360 U	**490**	350 U	**660**	**1800**	**110 J**	350 U	400 U
Carbazole	ug/kg	360 U	360 U	**62 J**	350 U	**66 J**	**1100**	**230 J**	350 U	
Chrysene	ug/kg	**74 J**	**67 J**	**480**	**150 J**	**460**	**10000 D**	**2300**	**220 J**	400 U
Dibenz(a,h)anthracene	ug/kg	360 U	360 U	350 U	350 U	**100 J**	**1100**	**250 J**	350 U	400 U
Dibenzofuran	ug/kg	360 U	360 U	350 U	350 U	350 U	350 U	306 U	350 U	
Dimethylphthalate	ug/kg	360 U	360 U	350 U	350 U	350 U	350 U	306 U	350 U	
Di-n-butylphthalate	ug/kg	**97 J,B**	**120 J,B**	**770 B**	**130 J,B**	**1000 B**	**1500 B**	**190 J,B**	**130 J,B**	
Fluoranthene	ug/kg	**120 J**	**130 J**	**790**	**270 J**	**780**	**16000 D**	**2400 J***	**330 J**	400 U
Fluorene	ug/kg	360 U	360 U	350 U	350 U	**60 J**	**620**	**140 J**	350 U	
Indeno(1,2,3-cd)pyrene	ug/kg	360 U	360 U	**150**	**110 J**	**420**	**5700 D**	**950**	**170 J**	400 U
Naphthalene	ug/kg	360 U	360 U	350 U	350 U	350 U	**110 J**	306 U	350 U	400 U
Nitrobenzene	ug/kg									400 U
N-Nitrosodiphenylamine	ug/kg	360 U	360 U	350 U	350 U	350 U	350 U	306 U	350 U	
Pentachlorophenol	ug/kg									790 U
Phenanthrene	ug/kg	360 U	**66 J**	**550**	**110 J**	**520**	**7900 D**	**1600 J***	**150 J**	400 U
Phenol	ug/kg	360 U	360 U	350 U	350 U	350 UJ*	350 U	360 U	350 U	400 U
Pyrene	ug/kg	**97 J**	**120 J**	**720**	**230 J**	**710**	**13000 D**	**2900**	**270 J**	400 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	GPS-D01-004	GPS-D01-008	GPS-D01-012	GPS-D01-208	GPS-D02-001	GPS-D02-004	GPS-D02-008	GPS-D02-012	GPS-D03-001
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/30/2003	6/30/2003	6/30/2003	6/30/2003	7/1/2003	7/1/2003	7/1/2003	7/1/2003	7/1/2003
	Sample Depth:	4	8	12	8	1	4	8	12	1
Semivolatile Organic Compounds	**Units**									
2-Chlorophenol	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
2-Methylnaphthalene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
4-Chloro-3-methylphenol	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
4-Nitrophenol	ug/kg	810 U	820 U	840 U	820 U	790 U	820 U	830 U	830 U	750 U
Acenaphthene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Acenaphthylene	ug/kg									
Anthracene	ug/kg									
Benzo(a)anthracene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Benzo(a)pyrene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Benzo(b)fluoranthene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Benzo(g,h,i)perylene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Benzo(k)fluoranthene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Benzoic Acid	ug/kg									
bis(2-Ethylhexyl)phthalate	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Butyl benzyl phthalate	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Carbazole	ug/kg									
Chrysene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Dibenz(a,h)anthracene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Dibenzofuran	ug/kg									
Dimethylphthalate	ug/kg									
Di-n-butylphthalate	ug/kg									
Fluoranthene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Fluorene	ug/kg									
Indeno(1,2,3-cd)pyrene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Naphthalene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Nitrobenzene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
N-Nitrosodiphenylamine	ug/kg									
Pentachlorophenol	ug/kg	810 U	820 U	840 U	820 U	790 U	820 U	830 U	830 U	750 U
Phenanthrene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Phenol	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U
Pyrene	ug/kg	400 U	410 U	420 U	410 U	400 U	410 U	410 U	410 U	380 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
SVOC Soil and Sediment Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	GPS-D03-004 SB 7/1/2003 4	GPS-D03-008 SB 7/1/2003 8	GPS-D03-012 SB 7/1/2003 12	GPS-D03-204 SB 7/1/2003 4	GPS-D04-001 SB 7/1/2003 1	GPS-D04-004 SB 7/1/2003 4	GPS-D04-008 SB 7/1/2003 8	GPS-D04-012 SB 7/1/2003 12
Semivolatile Organic Compounds	**Units**								
2-Chlorophenol	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
2-Methylnaphthalene	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
4-Chloro-3-methylphenol	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
4-Nitrophenol	ug/kg	810 U	820 U	830 U	810 U	3000 U	770 U	820 U	780 U
Acenaphthene	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
Acenaphthylene	ug/kg								
Anthracene	ug/kg								
Benzo(a)anthracene	ug/kg	400 U	410 U	420 U	410 U	**520 J**	**1200**	410 U	390 U
Benzo(a)pyrene	ug/kg	400 U	410 U	420 U	410 U	**450 J**	**890**	410 U	390 U
Benzo(b)fluoranthene	ug/kg	400 U	410 U	420 U	410 U	1500 U	**1100**	410 U	390 U
Benzo(g,h,i)perylene	ug/kg	400 U	410 U	420 U	410 U	1500 U	**550**	410 U	390 U
Benzo(k)fluoranthene	ug/kg	400 U	410 U	420 U	410 U	1500 U	**500**	410 U	390 U
Benzoic Acid	ug/kg								
bis(2-Ethylhexyl)phthalate	ug/kg	400 U	410 U	420 U	410 U	1500 U	**150 J**	410 U	390 U
Butyl benzyl phthalate	ug/kg	400 U	410 U	420 U	410 U	**270 J**	390 U	410 U	390 U
Carbazole	ug/kg								
Chrysene	ug/kg	400 U	410 U	420 U	410 U	**610 J**	**1100**	410 U	390 U
Dibenz(a,h)anthracene	ug/kg	400 U	410 U	420 U	410 U	1500 U	**150 J**	410 U	390 U
Dibenzofuran	ug/kg								
Dimethylphthalate	ug/kg								
Di-n-butylphthalate	ug/kg								
Fluoranthene	ug/kg	400 U	410 U	420 U	410 U	**1100 J**	**2100**	410 U	390 U
Fluorene	ug/kg								
Indeno(1,2,3-cd)pyrene	ug/kg	400 U	410 U	420 U	410 U	**300 J**	**540**	410 U	390 U
Naphthalene	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
Nitrobenzene	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
N-Nitrosodiphenylamine	ug/kg								
Pentachlorophenol	ug/kg	810 U	820 U	830 U	810 U	3000 U	770 U	820 U	780 U
Phenanthrene	ug/kg	400 U	410 U	420 U	410 U	**810 J**	**870**	410 U	390 U
Phenol	ug/kg	400 U	410 U	420 U	410 U	1500 U	390 U	410 U	390 U
Pyrene	ug/kg	400 U	410 U	420 U	410 U	**1100 J**	**1800**	410 U	390 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B01	09B01	09B01	09B02	09B02	09B03	09B03	09B03	09B04
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/4/1996	6/4/1996	6/4/1996	6/5/1996
	Sample Depth:	1 - 4	4 - 8	8 - 12	1 - 4	4 - 7.5	1 - 4	4 - 8	8 - 12	1 - 4
Inorganics	**Units**									
Aluminum	mg/kg	**9370**	**9910**	**12200**	**9860**	**10100**	**13100**	**14200**	**22600**	**7230**
Antimony	mg/kg	0.39 UJ*	0.38 UJ*	0.38 UJ*	0.36 UJ*	0.37 UJ*	0.36 UJ*	0.38 UJ*	0.38 UJ*	0.37 UJ*
Arsenic	mg/kg	**5.7**	**4.8**	**8.2**	**5**	**5.2**	**4.5 J***	**5.8 J***	**7.9 J***	**4.8**
Barium	mg/kg	**215 J***	**188 J***	**128 J***	**251 J***	**63.6 J***	**71 J***	**374 J***	**251 J***	**132 J***
Beryllium	mg/kg	**0.84**	**0.94**	**0.96**	**0.9**	**0.97**	**0.88**	**1.1**	**1.2**	**0.76**
Cadmium	mg/kg	**0.56**	**0.4**	**0.26 B**	**0.42**	**0.38**	**0.45**	**0.35**	**0.33**	**0.56**
Calcium	mg/kg	**7250**	**4630**	**4500**	**11900**	**4610**	**4170 J***	**15600 J***	**4530 J***	**6110**
Chromium	mg/kg	**11.4**	**10.4**	**11.7**	**10.7**	**10.5**	**12.7**	**15.6**	**19.5**	**8.5**
Cobalt	mg/kg	**7 F**	**6.4 F**	**6.2 F**	**8.3 F**	**4.1 F**	**6.9 J***	**7.8 J***	**10.6 J***	**6.8 F**
Copper	mg/kg	**11.7 F**	**12.6 F**	**11.9 F**	**12.5 F**	**12.6 F**	**11.1 F**	**17.2 F**	**16.9 F**	**10 F**
Iron	mg/kg	**11000**	**10300**	**10900**	**9080**	**10600**	**12100 J***	**11400 J***	**15900 J***	**8490**
Lead	mg/kg	**21.9**	**13.5**	**12.5**	**17.6**	**12.9**	**12.3**	**14**	**19**	**26.4**
Magnesium	mg/kg	**2510**	**2710**	**2890**	**2710**	**2930**	**2860 J***	**4420 J***	**3980 J***	**2310**
Manganese	mg/kg	**373 F**	**325 F**	**132 F**	**194 F**	**124 F**	**324 J***	**147 J***	**198 J***	**470 F**
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.05 J***	**0.04 J***	**0.04 J***	0.04 U
Nickel	mg/kg	**11.6**	**13.7**	**11.3**	**12.9**	**11.8**	**11.6**	**15.6**	**15.5**	**11.2**
Potassium	mg/kg	**1770**	**1430**	**1230**	**1410**	**1410**	**2000 J***	**2250 J***	**2180 J***	**1360**
Selenium	mg/kg	0.39 U	0.38 U	0.38 U	0.36 U	0.37 U	0.36 U	0.38 U	0.38 U	0.37 U
Sodium	mg/kg	**84.1 BF**	**315 F**	**328 F**	**381 F**	**405 F**	**683 F**	**1050 F**	**711 F**	**235 BF**
Thallium	mg/kg	0.29 U	**0.29 B**	0.28 U	0.27 U	0.27 U	0.26 UJ*	0.28 UJ*	0.28 UJ*	**0.31 B**
Vanadium	mg/kg	**23.6**	**18.9**	**32.1**	**24**	**21.9**	**20.1 J*F**	**24.3 J*F**	**49.2 J*F**	**19.6**
Zinc	mg/kg	**45.1**	**33.5**	**27.6**	**33.4**	**28.8**	**37.4**	**44.9**	**49.8**	**60.6**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SD - Sediment

SW - Surface Water

1 - Surface water results displayed with units of µg/L

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

D - Diluted for analysis

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B04	09B04	09B05	09B05	09B05	09B05	09B06	09B06	09B06
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/4/1996	6/4/1996	6/4/1996	6/4/1996	6/5/1996	6/5/1996	6/5/1996
	Sample Depth:	4 - 8	8 - 11.8	1 - 4	12 - 16	4 - 8	8 - 12	1 - 4	12 - 16	4 - 8
Inorganics	**Units**									
Aluminum	mg/kg	**9870**	**9210**	**13800**	**13800**	**13500**	**6490**	**9790**	**7390**	**8460**
Antimony	mg/kg	0.37 UJ*	0.38 UJ*	0.38 UJ*	0.36 UJ*	0.37 UJ*	0.37 UJ*	0.35 UJ*	0.37 UJ*	0.38 UJ*
Arsenic	mg/kg	**5**	**5.3**	**6.1 J***	**4.1 J***	**5.8 J***	**2.8 J***	**6.7**	**6.1**	**4.9**
Barium	mg/kg	**334 J***	**232 J***	**71.3 J***	**32.3 J***	**371 J***	**24 J***	**198 J***	**50.6 J***	**444 J***
Beryllium	mg/kg	**1**	**0.97**	**1.1**	**0.92**	**1**	**0.61**	**0.85**	**0.83**	**0.99**
Cadmium	mg/kg	**0.31 B**	**0.35 B**	**0.4**	**0.31**	**0.36**	**0.16 B**	**0.48**	**0.45**	**0.47**
Calcium	mg/kg	**6160**	**4750**	**5220 J***	**3380 J***	**5430 J***	**2650 J***	**9390**	**3440**	**12700**
Chromium	mg/kg	**12**	**10.5**	**13.3**	**14.2**	**13**	**6.6**	**10.5**	**9.4**	**9.7**
Cobalt	mg/kg	**10.2 F**	**13.3 F**	**6.9 J***	**12.1 J***	**11.1 J***	**4.2 J***	**7.5 F**	**8.6 F**	**6.6 F**
Copper	mg/kg	**15 F**	**12.4 F**	**15.1 F**	**11.4 F**	**12.6 F**	**7.7 F**	**12.1 F**	**11.4 F**	**14.7 F**
Iron	mg/kg	**8580**	**8230**	**13900 J***	**13000 J***	**12500 J***	**5410 J***	**11900**	**15600**	**8980**
Lead	mg/kg	**12**	**10**	**14.6**	**13**	**13.8**	**9.5**	**16.4**	**12.8**	**14**
Magnesium	mg/kg	**3390**	**2630**	**3660 J***	**5180 J***	**3620 J***	**1880 J***	**3090**	**3160**	**3340**
Manganese	mg/kg	**188 F**	**187 F**	**231 J***	**210 J***	**234 J***	**51.7 J***	**292 F**	**1590 F**	**222 F**
Mercury	mg/kg	0.04 U	0.04 U	**0.03 BJ***	**0.03 BJ***	**0.2 J***	**0.03 BJ***	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**16.3**	**19.8**	**14.7**	**20.7**	**16.4**	**8.8**	**12.3**	**19.6**	**12.9**
Potassium	mg/kg	**1250**	**1180**	**2280 J***	**2100 J***	**2400 J***	**1130 J***	**1820**	**995**	**1430**
Selenium	mg/kg	0.37 U	0.38 U	0.38 U	0.36 U	0.37 U	0.37 U	0.35 U	0.37 U	0.38 U
Sodium	mg/kg	**644 F**	**616 F**	**477 F**	**499 F**	**483 F**	**502 F**	**256 BF**	**385 F**	**563 F**
Thallium	mg/kg	**0.29 B**	0.28 U	0.28 UJ*	0.27 UJ*	0.27 UJ*	0.27 UJ*	**0.34 B**	0.27 U	0.28 U
Vanadium	mg/kg	**19.8**	**19.2**	**23.3 J*F**	**21.3 J*F**	**21.7 J*F**	**16.8 J*F**	**20.6**	**23.9**	**21.5**
Zinc	mg/kg	**32.4**	**40.5**	**39.8**	**35.8**	**41.7**	**21.7**	**42.2**	**33.6**	**29.1**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B06	09B07	09B07	09B07	09B08	09B08	09B08	09B09	09B09
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/7/1996	6/7/1996	6/7/1996	6/7/1996	6/7/1996
	Sample Depth:	8 - 12	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8	8 - 11	1 - 4	12 - 16
Inorganics	**Units**									
Aluminum	mg/kg	**9960**	**7040**	**7110**	**10200**	**10300**	**15800**	**13700**	**9240**	**10900**
Antimony	mg/kg	0.38 UJ*	0.36 UJ*	0.38 UJ*	0.37 UJ*	0.35 U	0.36 U	0.37 U	0.38 R	0.37 U
Arsenic	mg/kg	**5.1**	**3.6**	**3.9**	**2.5**	**3.3**	**6.6**	**3.5**	**4.6**	**2.8**
Barium	mg/kg	**87.4 J***	**132 J***	**306 J***	**125 J***	**141**	**455**	**191**	**108 J***	**272**
Beryllium	mg/kg	**0.95**	**0.81**	**0.89**	**1**	**0.69**	**1.1**	**1**	**0.95**	**0.78**
Cadmium	mg/kg	**0.21 B**	**0.43**	**0.28 B**	**0.24 B**	**0.22 B**	**0.13 B**	**0.06 B**	**0.42 J***	**0.09 B**
Calcium	mg/kg	**4750**	**3540**	**8020**	**5110**	**3080**	**6480**	**4600**	**9350 J***	**3500**
Chromium	mg/kg	**9.7**	**9.1**	**9.3**	**9.8**	**11.3**	**16.2**	**14.2**	**10.6**	**12.9**
Cobalt	mg/kg	**5.3 F**	**7.3 F**	**3 F**	**3.8 F**	**5.3**	**5.5**	**3.6**	**5.3 F**	**9.5**
Copper	mg/kg	**11.1 F**	**10 F**	**12.2 F**	**11.2 F**	**9.1**	**16.1**	**12.4**	**12.5 F**	**11.6**
Iron	mg/kg	**9190**	**7690**	**6820**	**7950**	**9660**	**13000**	**11500**	**9740**	**12700**
Lead	mg/kg	**9.7**	**14.4**	**12.5**	**9.8**	**19**	**13.5**	**10**	**24.7**	**13.2**
Magnesium	mg/kg	**2930**	**1900**	**2890**	**2980**	**2390**	**4590**	**3110**	**2930 J*F**	**5480**
Manganese	mg/kg	**91.1 F**	**369 F**	**51.9 F**	**78.6 F**	**251**	**100**	**70**	**243**	**1060**
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**11.1**	**9.9**	**11.1**	**10.4**	**10.6**	**17.4**	**11.1**	**11.5**	**22.1**
Potassium	mg/kg	**1000**	**1550**	**1160**	**1010**	**2040**	**2200**	**1610**	**1730 E**	**1830**
Selenium	mg/kg	0.38 U	0.36 U	0.38 U	0.37 U	0.35 U	0.36 U	0.37 U	**0.43 B**	0.37 U
Sodium	mg/kg	**672 F**	**161 BF**	**313 F**	**385 F**	**171 B**	**923**	**701**	**489 F**	**406**
Thallium	mg/kg	0.28 U	**0.29 B**	0.28 U	0.27 U	0.26 U	0.27 U	0.27 U	0.28 U	0.27 U
Vanadium	mg/kg	**17.4**	**20.8**	**18.1**	**13.7**	**18.6**	**26.5**	**18.2**	**20.8**	**18.8**
Zinc	mg/kg	**27.2**	**25.4**	**29.3**	**32.4**	**31.9**	**47.4**	**35.3**	**41 J***	**33.3**

Notes:
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D - Diluted for analysis
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Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B09	09B09	09B10	09B10	09B10	09B10	09B11	09B11	09B11
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/7/1996	6/7/1996	6/4/1996	6/4/1996	6/4/1996	6/4/1996	6/6/1996	6/6/1996	6/6/1996
	Sample Depth:	4 - 8	8 - 12	1 - 4	12 - 16	4 - 8	8 - 12	1 - 4	4 - 8	8 - 12
Inorganics	**Units**									
Aluminum	mg/kg	**7360**	**9530**	**8330**	**16400**	**10000**	**19700**	**10900**	**8860**	**8810**
Antimony	mg/kg	0.37 R	0.38 R	0.36 UJ*	0.37 UJ*	0.39 UJ*	0.38 UJ*	0.38 R	0.38 R	0.38 R
Arsenic	mg/kg	**3.6**	**2.4**	**4.8 J***	**3.2 J***	**6.6 J***	**3.7 J***	**5.2**	**6.7**	**3**
Barium	mg/kg	**259 J***	**151 J***	**131 J***	**147 J***	**550 J***	**246 J***	**110 J***	**301 J***	**35.6 J***
Beryllium	mg/kg	**0.91**	**1**	**0.77**	**0.88**	**1**	**1.1**	**1**	**0.98**	**1**
Cadmium	mg/kg	**0.15 BJ***	**0.1 BJ***	**0.81**	**0.6**	**0.64**	**0.37**	**0.23 BJ***	**0.19 BJ***	**0.12 BJ***
Calcium	mg/kg	**4480 J***	**4120 J***	**8680 J***	**6560 J***	**20800 J***	**5140 J***	**5480 J***	**8810 J***	**5120 J***
Chromium	mg/kg	**8.5**	**10.5**	**12.5**	**17.1**	**11.3**	**17.3**	**10.8**	**10.2**	**10.2**
Cobalt	mg/kg	**7.1 F**	**10.6 F**	**7.3 J***	**8.2 J***	**7.4 J***	**6.1 J***	**5.9 F**	**6.4 F**	**4.6 F**
Copper	mg/kg	**11.9 F**	**11.3 F**	**12.3 F**	**12.3 F**	**13.9 F**	**12.9 F**	**11.9 F**	**13.4 F**	**12.6 F**
Iron	mg/kg	**7250**	**7340**	**10300 J***	**18300 J***	**10400 J***	**16400 J***	**11700**	**10100**	**7750**
Lead	mg/kg	**11.8**	**10.6**	**48.3**	**11.4**	**13.2**	**9.8**	**13.9**	**12.1**	**10.4**
Magnesium	mg/kg	**2930**	**2630**	**2700 J***	**7180 J***	**3570 J***	**4740 J***	**3220**	**3290**	**2980**
Manganese	mg/kg	**185 J*F**	**78.1 J*F**	**337 J***	**1770 J***	**176 J***	**165 J***	**413 J*F**	**126 J*F**	**70.4 J*F**
Mercury	mg/kg	0.04 U	0.04 U	**0.03 BJ***	**0.03 BJ***	**0.03 BJ***	**0.03 BJ***	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**12.2**	**13.7**	**12.2**	**20.7**	**14**	**15.4**	**13.9**	**12.2**	**11.6**
Potassium	mg/kg	**1230 E**	**1010 E**	**1700 J***	**2910 J***	**1880 J***	**2050 J***	**1640 E**	**1490 E**	**1030 E**
Selenium	mg/kg	0.37 U	0.38 U	0.36 U	0.37 U	0.39 U	0.38 U	0.38 U	0.38 U	0.38 U
Sodium	mg/kg	**573 F**	**478 F**	**282 F**	**342 F**	**333 F**	**298 F**	**247 BF**	**659 F**	**564 F**
Thallium	mg/kg	**0.36 B**	0.28 U	0.26 UJ*	0.27 UJ*	0.28 UJ*	0.28 UJ*	0.28 U	0.28 U	0.28 U
Vanadium	mg/kg	**16.8**	**20.8**	**16.9 J*F**	**27.1 J*F**	**17.3 J*F**	**25.4 J*F**	**25.3**	**22.2**	**19.8**
Zinc	mg/kg	**23.6 J***	**22 J***	**59.1**	**39.7**	**38**	**46.5**	**33.2 J***	**28.3 J***	**25.7 J***

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Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B12	09B12	09B12	09B13	09B14	09B14	09B15	09B15	09B15
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/7/1996	6/7/1996	6/7/1996	6/7/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996
	Sample Depth:	1 - 4	4 - 8	8 - 12	1 - 3.5	1 - 4	4 - 8	1 - 4	4 - 8	8 - 10.5
Inorganics	**Units**									
Aluminum	mg/kg	**11600**	**14100**	**17000**	**10600**	**12900**	**12700**	**10100**	**18100**	**14600**
Antimony	mg/kg	0.36 U	0.38 U	0.38 U	0.35 U	0.39 U	0.39 U	0.37 UJ*	0.5 UJ*	0.38 UJ*
Arsenic	mg/kg	**4.9**	**4.9**	**6.9**	**3.9**	**5.7**	**5.7**	**5 J***	**8.2 J***	**3.6 J***
Barium	mg/kg	**166**	**276**	**198**	**213**	**99.1**	**279**	**184 J***	**164 J***	**83.4 J***
Beryllium	mg/kg	**0.76**	**1**	**0.98**	**0.76**	**0.97**	**0.92**	**0.88**	**1.6**	**1.1**
Cadmium	mg/kg	**0.65**	**0.1 B**	**0.06 B**	**0.19 B**	**0.12 B**	**0.09 B**	**0.31 B**	**0.45 B**	**0.31 B**
Calcium	mg/kg	**4730**	**5680**	**5570**	**5320**	**6850**	**6080**	**5870 J***	**7020 J***	**4920 J***
Chromium	mg/kg	**12.2**	**14.8**	**15.9**	**11.5**	**12.9**	**13.8**	**11.2**	**18.8**	**13.6**
Cobalt	mg/kg	**9.7**	**6.6**	**4.5**	**6.2**	**7.7**	**4.8**	**7 J***	**7.8 J***	**7.5 J***
Copper	mg/kg	**11.8**	**14.3**	**13.7**	**12.3**	**15**	**13.6**	**12.2**	**18.9**	**12.6**
Iron	mg/kg	**12300**	**14500**	**16200**	**12100**	**13700**	**12600**	**11900**	**18000**	**12600**
Lead	mg/kg	**25.8**	**12.6**	**11.7**	**15.8**	**14.8**	**12.6**	**24 J***	**23.3 J***	**15.1 J***
Magnesium	mg/kg	**3030**	**4270**	**3570**	**3130**	**3510**	**3600**	**3020**	**4750**	**3080**
Manganese	mg/kg	**527**	**160**	**72.7**	**321**	**243**	**165**	**196 J***	**261 J***	**137 J***
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.06 U	0.04 U
Nickel	mg/kg	**15.5**	**15**	**13**	**12.9**	**17.8**	**13.8**	**12.8**	**21.5**	**14.2**
Potassium	mg/kg	**2160**	**2260**	**1840**	**1950**	**2190**	**2080**	**1770**	**2170**	**1550**
Selenium	mg/kg	0.36 U	0.38 U	0.38 U	0.35 U	0.39 U	0.39 U	0.37 U	0.5 U	0.38 U
Sodium	mg/kg	**192 B**	**837**	**609**	**467**	**238 B**	**236 B**	**434 F**	**1070 F**	**662 F**
Thallium	mg/kg	1.3 U	1.4 U	0.28 U	**0.25 B**	**0.29 B**	0.28 U	**0.45 B**	0.37 U	**0.49 B**
Vanadium	mg/kg	**23.1**	**25**	**32**	**18.2**	**21.4**	**25.7**	**23.8 F**	**42.8 F**	**30.2 F**
Zinc	mg/kg	**78.6**	**40**	**37.8**	**39**	**34.4**	**38.4**	**32**	**50.1**	**33.8**

Notes:
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SB - Subsurface Soil
SD - Sediment
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J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
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E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B16	09B16	09B16	09B17	09B17	09B17	09B18	09B18	09B18
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/10/1996	6/10/1996	6/10/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996
	Sample Depth:	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8	8 - 11.9
Inorganics	**Units**									
Aluminum	mg/kg	**11000**	**12500**	**17800**	**7940**	**6530**	**8150**	**6960**	**6200**	**7030**
Antimony	mg/kg	0.36 UJ*	0.37 UJ*	0.39 UJ*	0.36 R	0.37 R	0.39 R	0.36 R	0.39 R	0.39 R
Arsenic	mg/kg	**7.2 J***	**5.6 J***	**7.2 J***	**3.8**	**1.7**	**2.5**	**4.3**	**20.3**	**2.7**
Barium	mg/kg	**202 J***	**137 J***	**183 J***	**63.1 J***	**206 J***	**128 J***	**120 J***	**155 J***	**156 J***
Beryllium	mg/kg	**0.85**	**0.89**	**1.1**	**0.95**	**0.93**	**1**	**0.74**	**1**	**1**
Cadmium	mg/kg	**0.69**	0.21 U	0.22 U	**0.2 BJ***	**0.15 BJ***	**0.07 BJ***	**0.44 J***	**0.63 J***	**0.09 BJ***
Calcium	mg/kg	**22900 J***	**7970 J***	**5680 J***	**4630 J***	**4750**	**5120 J***	**18000 J***	**7360 J***	**5470 J***
Chromium	mg/kg	**12**	**12.9**	**16.6**	**8**	**9.1 J***	**8.1**	**7.8**	**9.7**	**6.6**
Cobalt	mg/kg	**7.7 J***	**4.7 J***	**5.4 J***	**6.1 F**	**3.6 J***	**5.9 F**	**4.5 F**	**6 F**	**5.6 F**
Copper	mg/kg	**14.1**	**13.7**	**13.8**	**11.4 F**	**15.1**	**12.3 F**	**11.5 F**	**16 F**	**11.9 F**
Iron	mg/kg	**13500**	**12000**	**14800**	**7720**	**4520 F**	**6690**	**8090**	**21500**	**5460**
Lead	mg/kg	**17.9 J***	**13.4 J***	**11.9 J***	**11.4**	**11.5 F**	**12.8**	**22.3**	**13.1**	**9.3**
Magnesium	mg/kg	**3310**	**3520**	**4010**	**2510**	**2590**	**2390**	**2560**	**3050**	**2390**
Manganese	mg/kg	**475 J***	**191 J***	**160 J***	**270 J*F**	**79.4 J*F**	**109 J*F**	**234 J*F**	**156 J*F**	**177 J*F**
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	**0.07**	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**16.5**	**12.7**	**14.7**	**13.3**	**11.2**	**9.7**	**11.1**	**16.9**	**9.6**
Potassium	mg/kg	**2190**	**1880**	**1790**	**1130 E**	**1160 E**	**1040 E**	**1520 E**	**1210 E**	**798 E**
Selenium	mg/kg	**0.41 B**	0.37 U	0.39 U	0.36 U	0.37 U	0.39 U	0.36 U	0.39 U	0.39 U
Sodium	mg/kg	**180 BF**	**529 F**	**728 F**	**367 F**	**700 F**	**456 F**	**204 BF**	**851 F**	**680 F**
Thallium	mg/kg	**0.45 B**	**0.35 B**	**0.3 B**	**0.32 B**	**0.3 B**	0.28 U	**0.28 B**	**0.34 B**	0.28 U
Vanadium	mg/kg	**31.4 F**	**26.6 F**	**27.8 F**	**20.5**	**14.2**	**14.9**	**21.3**	**52.9**	**22.5**
Zinc	mg/kg	**49.3**	**35.3**	**41.8**	**22.5 J***	**32.6 J***	**23 J***	**39.9 J***	**28.8 J***	**22.2 J***

Notes:
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Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B19	09B19	09B19	09B20	09B20	09B20	09B21	09B21	09B21
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/6/1996	6/6/1996	6/6/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996
	Sample Depth:	1 - 4	4 - 8	8 - 10.5	1 - 4	4 - 8	8 - 11.7	1 - 4	4 - 8	8 - 10.7
Inorganics	**Units**									
Aluminum	mg/kg	**7150**	**8280**	**8660**	**20200**	**15700**	**16000**	**14000**	**9240**	**11600**
Antimony	mg/kg	0.37 R	0.37 R	0.38 R	0.38 U	0.38 U	0.38 U	0.36 UJ*	0.37 UJ*	0.38 UJ*
Arsenic	mg/kg	**3.8**	**4.8**	**1.5**	**7.8**	**8.5**	**24.8**	**5.2 J***	**4 J***	**3.2 J***
Barium	mg/kg	**92.3 J***	**276 J***	**368 J***	**673**	**549**	**87.6**	**104 J***	**244 J***	**70.4 J***
Beryllium	mg/kg	**0.79**	**1**	**0.95**	**1.2**	**1.1**	**1.1**	**0.95**	**0.92**	**1**
Cadmium	mg/kg	**0.23 BJ***	**0.27 J***	**0.26 J***	**0.2 B**	**0.14 B**	**0.06 B**	**0.48 B**	0.21 U	**0.32 B**
Calcium	mg/kg	**3650 J***	**6300 J***	**4930 J***	**10400**	**8580**	**4430**	**5380 J***	**5190 J***	**6130 J***
Chromium	mg/kg	**8.5**	**9.2**	**10.5**	**19.3**	**16.6**	**16**	**13.2**	**10.6**	**11.2**
Cobalt	mg/kg	**7.8 F**	**8.7 F**	**6.1 F**	**7.8**	**4.8**	**5.6**	**5.2 J***	**4 J***	**8.3 J***
Copper	mg/kg	**9.3 F**	**13.6 F**	**12.9 F**	**18.4**	**16**	**14.7**	**12.7**	**12.9**	**12.8**
Iron	mg/kg	**7970**	**10400**	**6690**	**20800**	**15100**	**18100**	**13600**	**7460**	**10300**
Lead	mg/kg	**13.1**	**14.1**	**11.9**	**16**	**13.7**	**15.8**	**12.5 J***	**11.7 J***	**17 J***
Magnesium	mg/kg	**2090**	**2840**	**2920**	**5510**	**4660**	**3690**	**3270**	**3190**	**3260**
Manganese	mg/kg	**360 J*F**	**298 J*F**	**98 J*F**	**270**	**110**	**312**	**156 J***	**119 J***	**422 J***
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	**0.08**	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**9**	**13.6**	**14**	**20.4**	**14.3**	**13.9**	**12.8**	**11**	**16.1**
Potassium	mg/kg	**1340 E**	**1220 E**	**1080 E**	**3420**	**2360**	**1930**	**2100**	**1240**	**1240**
Selenium	mg/kg	0.37 U	0.37 U	0.38 U	0.38 U	0.38 U	0.38 U	**0.5 B**	0.37 U	0.38 U
Sodium	mg/kg	**126 BF**	**515 F**	**608 F**	**614**	**751**	**403**	**249 BF**	**641 F**	**600 F**
Thallium	mg/kg	**0.27 B**	0.27 U	**0.34 B**	0.28 U	0.28 U	**0.3 B**	**0.35 B**	0.27 U	0.28 U
Vanadium	mg/kg	**23**	**21.9**	**14.3**	**36.2**	**29.5**	**30.2**	**23.7 F**	**16.4 F**	**16.5 F**
Zinc	mg/kg	**22.4 J***	**27.4 J***	**41.7 J***	**51.1**	**48**	**38.1**	**36.1**	**31.6**	**29.3**

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SD - Sediment

SW - Surface Water

1 - Surface water results displayed with units of µg/L

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

D - Diluted for analysis

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S01	09S02	09S03	09S04	09S05	09S06	09S07	09S08	09S09
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	5/30/1996	5/30/1996	5/30/1996	5/30/1996	5/29/1996	5/29/1996	5/30/1996	6/10/1996	6/10/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**8450**	**6400**	**7670**	**5220**	**6630**	**6050**	**8080**	**18800**	**5550**
Antimony	mg/kg	**0.75 BJ***	0.34 R	**0.5 BJ***	**0.84 BJ***	**0.41 BJ***	**0.63 BJ***	0.39 UJ*	0.37 UJ*	0.38 UJ*
Arsenic	mg/kg	**5.4**	**5.5**	**5.6**	**4.7**	**5.4**	**6.2**	**5.4**	**7.2**	**4.2**
Barium	mg/kg	**169**	**220**	**170**	**167**	**164**	**152**	**136**	**236**	**97.1**
Beryllium	mg/kg	**0.78**	**0.61**	**0.71**	**0.58**	**0.69**	**0.65**	**0.75**	**1**	**0.52**
Cadmium	mg/kg	**0.88**	**0.35**	**0.61**	**2.4**	**0.83**	**0.58**	**0.49**	**1**	**17.7**
Calcium	mg/kg	**6030**	**10000**	**6830**	**26600**	**10300**	**16900**	**7320**	**11000**	**67900**
Chromium	mg/kg	**13.9**	**7.6**	**9.9**	**39.4**	**19.1**	**8.3**	**9.7**	**22.6**	**8**
Cobalt	mg/kg	**7.2**	**4.7**	**6.1**	**6**	**6.7**	**7.5**	**6**	**9.3**	**4.2**
Copper	mg/kg	**14.1**	**9.9**	**12.5**	**16.5**	**13**	**11.3**	**11.7**	**17.7**	**13.9**
Iron	mg/kg	**9540**	**8200**	**8890**	**7010**	**8340**	**8780**	**9040**	**20200**	**7370**
Lead	mg/kg	**68.4**	**18.3**	**39.9**	**317**	**93.6**	**23**	**35.7**	**62.7 F**	**33.8 F**
Magnesium	mg/kg	**2470**	**2110**	**2390**	**2440**	**2510**	**2400**	**2570**	**4450**	**2670**
Manganese	mg/kg	**372**	**167**	**275**	**316**	**343**	**421**	**359**	**547**	**292**
Mercury	mg/kg	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 U	0.04 U
Nickel	mg/kg	**12.2**	**9.5**	**11**	**10.4**	**11.8**	**12**	**12**	**18.1**	**10.1**
Potassium	mg/kg	**2140 J***	**1310 J***	**1630 J***	**1400 J***	**1630 J***	**1750 J***	**1610 J***	**3930 F**	**1550 F**
Selenium	mg/kg	0.38 U	0.34 U	0.37 U	0.4 U	0.39 U	**0.48 B**	0.39 U	0.37 U	**0.38 B**
Sodium	mg/kg	**236 B**	**357**	**415**	**268 B**	**641**	**558**	**510**	**436 F**	**257 BF**
Thallium	mg/kg	**0.32 BJ***	**0.32 BJ***	**0.33 BJ***	0.29 UJ*	**0.39 BJ***	**0.36 BJ***	**0.32 BJ***	0.27 U	**0.3 B**
Vanadium	mg/kg	**24**	**19.6**	**20.5**	**17.3**	**21.2**	**25.3**	**19.7**	**40**	**15.4**
Zinc	mg/kg	**79 J***	**43.2 J***	**52.5 J***	**198 J***	**70.7 J***	**50.5 J***	**60.2 J***	**101**	**2710**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S10	09S11	09S12	09S13	09S14	09S15	09S16	09S17	09S18
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	5/29/1996	6/7/1996	6/7/1996	5/30/1996	5/29/1996	5/29/1996	5/29/1996	5/29/1996	5/29/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**6320**	**4120**	**6050**	**5230**	**6140**	**10600**	**7160**	**8080**	**11800**
Antimony	mg/kg	**0.67 BJ***	**0.4 BJ***	**1 BJ***	**1.1 BJ***	**2.1 J***	**0.61 BJ***	0.36 UJ*	**1.2 BJ***	**1 BJ***
Arsenic	mg/kg	**5.8**	**5.1**	**5**	**4.5**	**5.3**	**6.8**	**5.3**	**5.1**	**6.7**
Barium	mg/kg	**159**	**129**	**157**	**137**	**182**	**222**	**150**	**157**	**146**
Beryllium	mg/kg	**0.67**	**0.52**	**0.66**	**0.52**	**0.67**	**0.9**	**0.64**	**0.73**	**0.78**
Cadmium	mg/kg	**0.67**	**0.66**	**1.1**	**2.3**	**4.6**	**0.49**	**0.79**	**0.54**	**0.6**
Calcium	mg/kg	**19900**	**31100**	**20600**	**6240**	**9570**	**8040**	**21200**	**11200**	**19000**
Chromium	mg/kg	**16.7**	**6**	**15.5**	**22.8**	**102**	**13.8**	**9.6**	**9.9**	**12.6**
Cobalt	mg/kg	**6**	**5.7**	**6.2**	**4.7**	**7.8**	**7.4**	**6**	**6.4**	**7.1**
Copper	mg/kg	**11.5**	**10.8**	**16.1**	**14.1**	**21.3**	**13.7**	**11.7**	**12.1**	**13**
Iron	mg/kg	**8240**	**7180**	**8010**	**7740**	**8220**	**11400**	**11900**	**9610**	**13300**
Lead	mg/kg	**30.7**	**15.9 F**	**99.6 F**	**202**	**550**	**159**	**26.7**	**26.3**	**18**
Magnesium	mg/kg	**3730**	**2460**	**2440**	**1450**	**1960**	**2730**	**2730**	**3380**	**3180**
Manganese	mg/kg	**306**	**318**	**345**	**279**	**385**	**568**	**348**	**339**	**350**
Mercury	mg/kg	0.04 UJ*	0.04 U	**0.06**	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*	0.04 UJ*
Nickel	mg/kg	**12**	**12.5**	**13.3**	**9.3**	**12.3**	**14.5**	**12.8**	**12.3**	**14.7**
Potassium	mg/kg	**1470 J***	**1210 F**	**1400 F**	**1260 J***	**1340 J***	**1860 J***	**1720 J***	**1970 J***	**2880 J***
Selenium	mg/kg	0.36 U	0.36 U	0.48 U	0.36 U	0.38 U	0.38 U	0.36 U	0.37 U	**0.5 B**
Sodium	mg/kg	**320**	**141 BF**	**140 BF**	**261 B**	**348**	**243 B**	**233 B**	**166 B**	**526**
Thallium	mg/kg	**0.39 BJ***	**0.31 B**	0.35 U	**0.35 BJ***	**0.35 BJ***	**0.36 BJ***	**0.34 BJ***	**0.39 BJ***	**0.41 BJ***
Vanadium	mg/kg	**22.4**	**23.2**	**21**	**17**	**20.7**	**27.1**	**24.7**	**21.5**	**31.1**
Zinc	mg/kg	**42.2 J***	**57.2**	**112**	**115 J***	**136 J***	**47.8 J***	**48.9 J***	**59 J***	**52.1 J***

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SD - Sediment

SW - Surface Water

1 - Surface water results displayed with units of µg/L

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

D - Diluted for analysis

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S19	09S20	09S21	09S22	SED-014	SS-077	SS-078	SS-079	SS-105
	Sample Media:	SS	SS	SS	SD	SD	SS	SS	SS	SS
	Sample Date:	6/10/1996	5/29/1996	6/7/1996	6/5/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**11800**	**9710**	**5780**	**10400 F**	**10800**	**17000**	**18100**	**10200**	**26200**
Antimony	mg/kg	0.37 UJ*	**1.3 BJ***	0.37 UJ*	0.42 UJ*	2.87 U,R*	1.02 U	1.05 U	0.957 U	1.08 U,R*
Arsenic	mg/kg	**4.8**	**7**	**3.9**	**7**	1.44 U	**3.23 J***	0.527 UJ*	**3.13 J***	0.5 U
Barium	mg/kg	**167**	**411**	**177**	**240 F**					
Beryllium	mg/kg	**0.78**	**0.84**	**0.68**	**0.82**	**0.529**	**0.755**	**0.906**	**0.573**	**1.32**
Cadmium	mg/kg	**0.73**	**0.34**	**1**	**4.3 J***	**3.83**	**3.36**	**1.82**	**1.31**	**5.76**
Calcium	mg/kg	**9570**	**10300**	**10400**	**10900 J*F**					
Chromium	mg/kg	**13.2**	**10.9**	**10.5**	**18.4 F**	**41.4**	**53.1**	**28.7**	**15.5**	**34.2**
Cobalt	mg/kg	**6.6**	**6**	**6.6**	**10.1 J*F**	**5.01**	**7.43**	**7.65**	**5.63**	**7.07**
Copper	mg/kg	**13.4**	**16.5**	**12.4**	**21.4 F**	**22.8 J***	**41.7**	**27.9**	**18.4**	**26.1**
Iron	mg/kg	**12600**	**10500**	**7030**	**13300 F**					
Lead	mg/kg	**32.6 F**	**17.4**	**52.3 F**	**112 J***	**91.2**	**176**	**97.9**	**38**	**136 J***
Magnesium	mg/kg	**4550**	**3050**	**2520**	**3280**					
Manganese	mg/kg	**350**	**196**	**375**	**463 J***	**235 J***	**357**	**375**	**318**	**188**
Mercury	mg/kg	**0.04**	0.04 UJ*	0.04 U	0.05 U	0.442 U	**0.171**	**0.407**	0.156 U	0.174 U
Nickel	mg/kg	**12.5**	**12.7**	**11.5**	**15.5**	**12.9**	**16.3**	**16.3**	**12.5**	**20.4**
Potassium	mg/kg	**2560 F**	**1700 J***	**1360 F**	**2200 F**					
Selenium	mg/kg	0.37 U	0.38 U	0.37 U	0.42 U	**8.59**	**6.15**	1.05 U	**4.13**	1.08 U
Sodium	mg/kg	**116 BF**	**420**	**91.2 BF**	**135 B**					
Thallium	mg/kg	**0.49 B**	**0.37 BJ***	0.27 U	0.31 UJ*	**9.2 J***	1.62 U	1.69 U	1.53 U	1.73 UJ*
Vanadium	mg/kg	**22.3**	**24.1**	**17.8**	**25.6**	**22.5**	**35.3**	**33.4**	**27.3**	**50.9**
Zinc	mg/kg	**93.3**	**35.1 J***	**45.4**	**117**					

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

SD - Sediment

SW - Surface Water

1 - Surface water results displayed with units of µg/L

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

D - Diluted for analysis

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	SS-106	SS-107	SS-108	SS-109	SS-110	SS-111	SS-114	SS-115	GPS-D01-001
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SB
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	6/30/2003
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	1
Inorganics	**Units**									
Aluminum	mg/kg	**19900**	**31500**	**23500**	**19000**	**19400**	**12800**	**20200**	**22200**	
Antimony	mg/kg	0.982 U,R*	1.06 U,R*	0.986 U,R*	1.03 U,R*	1.03 U,R*	1.02 U,R*	1.05 U,R*	0.985 U,R*	12 UJ
Arsenic	mg/kg	**0.606**	0.528 U	**1.37**	**2.1**	**2.05**	**3.21**	**1.52**	**4.04**	**3.44**
Barium	mg/kg									**114 J**
Beryllium	mg/kg	**1.06**	**1.49**	**1.16**	**1.01**	**1.05**	**0.754**	**1.01**	**1.07**	1.2 U
Cadmium	mg/kg	**1.71**	**2.22**	**2.51**	**1.82**	**2.66**	**4.01**	**3.34**	**2.44**	1.2 U
Calcium	mg/kg									
Chromium	mg/kg	**20.4**	**31.8**	**31**	**20.2**	**33.9**	**27.2**	**33.4**	**32.3**	**14.1**
Cobalt	mg/kg	**7.93**	**7.85**	**8.11**	**6.6**	**7.2**	**6.08**	**7.67**	**8.75**	
Copper	mg/kg	**14.3**	**19.3**	**17.1**	**15.6**	**22.5**	**19.5**	**20.8**	**19.4**	**9.27**
Iron	mg/kg									
Lead	mg/kg	**18.1 J***	**19.8 J***	**76.5 J***	**28.6 J***	**214 J***	**167 J***	**104 J***	**96.8 J***	**26**
Magnesium	mg/kg									
Manganese	mg/kg	**396**	**308**	**456**	**313**	**306**	**377**	**507**	**452**	
Mercury	mg/kg	0.166 U	0.166 U	0.164 U	0.165 U	0.164 U	0.165 U	0.17 U	0.165 U	0.12 U
Nickel	mg/kg	**14.8**	**20.2**	**17.5**	**15.4**	**16.2**	**12.7**	**17.1**	**16.7**	**9.96**
Potassium	mg/kg									
Selenium	mg/kg	0.982 U	1.06 U	0.986 U	1.03 U	1.03 U	**4.69**	1.05 U	0.985 U	**1.13 J**
Sodium	mg/kg									
Thallium	mg/kg	1.57 UJ*	1.69 UJ*	1.5 UJ*	1.65 UJ*	1.65 UJ*	1.63 UJ*	1.68 UJ*	1.58 UJ*	2.4 U
Vanadium	mg/kg	**41.8**	**61.5**	**47**	**39.4**	**40.6**	**28.2**	**40.9**	**45.9**	
Zinc	mg/kg									**68.6**

Notes:
Bold indicates that compound was detected.
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SB - Subsurface Soil
SD - Sediment
SW - Surface Water
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U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
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E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	GPS-D01-004 SB 6/30/2003 4	GPS-D01-008 SB 6/30/2003 8	GPS-D01-012 SB 6/30/2003 12	GPS-D01-208 SB 6/30/2003 8	GPS-D02-001 SB 7/1/2003 1	GPS-D02-004 SB 7/1/2003 4	GPS-D02-008 SB 7/1/2003 8	GPS-D02-012 SB 7/1/2003 12
Inorganics	**Units**								
Aluminum	mg/kg								
Antimony	mg/kg	12.2 UJ	12.5 UJ	12.8 UJ	12.4 UJ	12 UJ	12.5 UJ	12.6 UJ	12.5 UJ
Arsenic	mg/kg	**3.27**	**3.27 J**	**3.54**	**9.78 J**	**4.24**	**5.42**	**3.48**	**3.38**
Barium	mg/kg	**130 J**	**583 J**	**68.7 J**	**252 J**	**134 J**	**188 J**	**462 J**	**664 J**
Beryllium	mg/kg	1.22 U	**0.331 J**	**0.73 J**	**0.37 J**	**0.186 J**	**0.509 J**	**0.252 J**	**0.569 J**
Cadmium	mg/kg	1.22 U	1.25 U	1.28 U	1.24 U	1.2 U	1.25 U	1.26 U	1.25 U
Calcium	mg/kg								
Chromium	mg/kg	**17.1**	**27.4**	**26.8**	**26.3**	**15.2**	**26.4**	**25.9**	**23.2**
Cobalt	mg/kg								
Copper	mg/kg	**10.8**	**19.9**	**14.9**	**19.6**	**9.77**	**15.9**	**17.8**	**13.5**
Iron	mg/kg								
Lead	mg/kg	**11.9**	**11.8**	**15.6**	**13**	**21.8**	**13.1**	**12.5**	**11.1**
Magnesium	mg/kg								
Manganese	mg/kg								
Mercury	mg/kg	0.122 U	0.125 U	0.128 U	0.124 U	0.12 U	0.125 U	0.126 U	0.125 U
Nickel	mg/kg	**10.5**	**20.8**	**18.7**	**21.9**	**11**	**18.8**	**19.1**	**14.3**
Potassium	mg/kg								
Selenium	mg/kg	**1.35**	**0.791 J**	**0.854 J**	**1.2 J**	**1.34**	**2.32**	**0.766 J**	**1.2 J**
Sodium	mg/kg								
Thallium	mg/kg	2.44 U	2.49 U	2.56 U	2.48 U	2.41 U	2.49 U	2.51 U	2.5 U
Vanadium	mg/kg								
Zinc	mg/kg	**41.3**	**55**	**54.5**	**61.9**	**51.1**	**56.5**	**58**	**55.4**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	GPS-D03-001	GPS-D03-004	GPS-D03-008	GPS-D03-012	GPS-D03-204	GPS-D04-001	GPS-D04-004	GPS-D04-008
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	7/1/2003	7/1/2003	7/1/2003	7/1/2003	7/1/2003	7/1/2003	7/1/2003	7/1/2003
	Sample Depth:	1	4	8	12	4	1	4	8
Inorganics	**Units**								
Aluminum	mg/kg								
Antimony	mg/kg	11.4 UJ	12.3 UJ	12.4 UJ	12.6 UJ	12.3 UJ	11.5 UJ	11.7 UJ	12.4 UJ
Arsenic	mg/kg	**3.28**	**4.66**	**8.01**	**4.09**	**6.42**	**4.24**	**3.1**	**5.85**
Barium	mg/kg	**181 J**	**142 J**	**532 J**	**928 J**	**160 J**	**228 J**	**164 J**	**458 J**
Beryllium	mg/kg	**0.352 J**	**0.464 J**	**0.351 J**	**0.741 J**	**0.542 J**	**0.259 J**	**0.417 J**	**0.297 J**
Cadmium	mg/kg	1.14 U	1.23 U	1.24 U	1.26 U	1.23 U	**1.65**	**0.774 J**	1.24 U
Calcium	mg/kg								
Chromium	mg/kg	**19.7**	**25.8**	**25.3**	**30**	**29.1**	**23.6**	**20.3**	**25.6**
Cobalt	mg/kg								
Copper	mg/kg	**12.6**	**16.2**	**17.9**	**15.8**	**17.8**	**14.1**	**11.7**	**16.6**
Iron	mg/kg								
Lead	mg/kg	**13.3**	**13.6**	**14**	**13**	**13.1**	**108**	**40.6**	**13.9**
Magnesium	mg/kg								
Manganese	mg/kg								
Mercury	mg/kg	0.114 U	0.123 U	0.124 U	0.126 U	0.123 U	**0.0499 J**	**0.411**	0.124 U
Nickel	mg/kg	**15.3**	**18.6**	**18.9**	**17.3**	**18.9**	**12**	**14.3**	**17.9**
Potassium	mg/kg								
Selenium	mg/kg	**1.47**	**2.07**	**1.65**	**1.57**	**1.79**	**1.12 J**	**1.29**	**1.29**
Sodium	mg/kg								
Thallium	mg/kg	2.28 U	2.45 U	2.49 U	2.52 U	2.47 U	2.3 U	2.35 U	2.48 U
Vanadium	mg/kg								
Zinc	mg/kg	**55.7**	**54.5**	**58.2**	**59.6**	**58.7**	**78.5**	**62.2**	**57.3**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
Inorganic Soil, Sediment, and Surface Water Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	GPS-D04-012 SB 7/1/2003 12	SW-014[1] SW 1/1/2000
Inorganics	**Units**		
Aluminum	mg/kg		75 U
Antimony	mg/kg	11.8 UJ	10 U
Arsenic	mg/kg	**9.25**	5 U
Barium	mg/kg	**412 J**	
Beryllium	mg/kg	**0.349 J**	1 U
Cadmium	mg/kg	1.18 U	5 U
Calcium	mg/kg		
Chromium	mg/kg	**21.6**	**7.79**
Cobalt	mg/kg		7 U
Copper	mg/kg	**14.1**	**10.4**
Iron	mg/kg		
Lead	mg/kg	**14.6**	**13.9**
Magnesium	mg/kg		7 U
Manganese	mg/kg		
Mercury	mg/kg	**0.132**	0.2 U
Nickel	mg/kg	**18.1**	30 U
Potassium	mg/kg		
Selenium	mg/kg	**1.7**	5 U
Sodium	mg/kg		
Thallium	mg/kg	2.36 U	5 U
Vanadium	mg/kg		12 U
Zinc	mg/kg	**52.4**	

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SD - Sediment
SW - Surface Water
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B01	09B01	09B01	09B02	09B02	09B03	09B03	09B03
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/4/1996	6/4/1996	6/4/1996
	Sample Depth:	1 - 4	4 - 8	8 - 12	1 - 4	4 - 7.5	1 - 4	4 - 8	8 - 12
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	10 U	20 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg				**9.2**				
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg	**4.7**							
MISCELLANEOUS C8-C10	mg/kg				**8.9**				
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg							**647**	**1370**
TPH as Gasoline	ug/kg	**10.4 F**	**10.7 F**	**6.3 JF**	**6.3 JF**	10 U	**9.3 J**	**23200 J***	**80900 J***

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B04	09B04	09B04	09B05	09B05	09B05	09B05	09B06
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	6/4/1996	6/4/1996	6/4/1996	6/4/1996	6/5/1996
	Sample Depth:	1 - 4	4 - 8	8 - 11.8	1 - 4	12 - 16	4 - 8	8 - 12	1 - 4
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg	**13.2**							
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg			**67.5**					
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg	**10.7**							**3.2**
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	10 UJ*	10 U	10 U	**21.2**	**9.7 J**	**7.9 J**	**13.2**	10 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B06	09B06	09B06	09B07	09B07	09B07	09B08	09B08
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/5/1996	6/7/1996	6/7/1996
	Sample Depth:	12 - 16	4 - 8	8 - 12	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	4 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg							**55.7**	
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg			**559**					
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg							**12.8**	
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg		**15.3**						
TPH as Gasoline	ug/kg	**11.3 J*F**	**40100 J*F**	**7550 J*F**	**7.6 JF**	10 UJ*	**6.6 JF**	10 UJ*	10 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B08	09B09	09B09	09B09	09B09	09B10	09B10	09B10
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/7/1996	6/7/1996	6/7/1996	6/7/1996	6/7/1996	6/4/1996	6/4/1996	6/4/1996
	Sample Depth:	8 - 11	1 - 4	12 - 16	4 - 8	8 - 12	1 - 4	12 - 16	4 - 8
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	**17**	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg		**17.2**						
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg							**7**	
MISCELLANEOUS C8-C9	mg/kg		**9.7**						
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	10 U	**9.9 JF**	10 U	**5.4 JF**	10 U	**10.2**	**15200 J***	**57000 J***

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B10	09B11	09B11	09B11	09B12	09B12	09B12	09B13
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/4/1996	6/6/1996	6/6/1996	6/6/1996	6/7/1996	6/7/1996	6/7/1996	6/7/1996
	Sample Depth:	8 - 12	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8	8 - 12	1 - 3.5
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg	**218**							
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	**50600 J***	**9.4 JF**	10 U	10 U	**13.2**	10 U	10 U	10 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B14	09B14	09B15	09B15	09B15	09B16	09B16	09B16
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996
	Sample Depth:	1 - 4	4 - 8	1 - 4	4 - 8	8 - 10.5	1 - 4	4 - 8	8 - 12
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 UJ*	2 UJ*	2 UJ*	2 UJ*	2 UJ*	2 UJ*
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg				**13 J***	**435 J***			**523 J***
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg		**59.6**						
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	**52.8**	**166 J***	10 UJ*	**17400 J***	**62700 J***	**12 J***	**151**	**93400**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B17	09B17	09B17	09B18	09B18	09B18	09B19	09B19
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/6/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996	6/6/1996
	Sample Depth:	1 - 4	4 - 8	8 - 12	1 - 4	4 - 8	8 - 11.9	1 - 4	4 - 8
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	4 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg			**139**			**202**		
MISCELLANEOUS C8	mg/kg				**1.8 J**				
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg		**620**						
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	**9.4 JF**	**26400 J*F**	**40100 F**	**20.9 J*F**	10 U	**44600 F**	10 UJ*	**9.3 JF**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B19	09B20	09B20	09B20	09B21	09B21	09B21	09B24
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	6/6/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	6/10/1996	10/15/1996
	Sample Depth:	8 - 10.5	1 - 4	4 - 8	8 - 11.7	1 - 4	4 - 8	8 - 10.7	12 - 16
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 UJ*	2 UJ*	2 UJ*	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg		**3.9**						
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg							**160 J***	
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg						**63 J***		
TPH as Gasoline	ug/kg	10 U	**6.8 J**	**10.4**	10 U	10 UJ*	**80200**	**43000**	10 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B24	09B24	09B25	09B25	09B25	09B26	09B26	09B26
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	10/15/1996	10/15/1996	10/15/1996	10/15/1996	10/15/1996	10/14/1996	10/14/1996	10/14/1996
	Sample Depth:	4 - 8	8 - 12	12 - 16	4 - 8	8 - 12	12 - 16	4 - 8	8 - 12
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	10 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg							**61.6**	**804**
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	10 U	10 U	10 U	10 U	10 U	**19.6**	**7070 J***	**63800 J***

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B27	09B28	09B28	09B28	09B29	09B29	09B29	09B30
	Sample Media:	SB	SB	SB	SB	SB	SB	SB	SB
	Sample Date:	10/15/1996	10/14/1996	10/14/1996	10/14/1996	10/15/1996	10/15/1996	10/15/1996	10/15/1996
	Sample Depth:	12 - 16	12 - 16	4 - 8	8 - 12	12 - 16	4 - 8	8 - 12	12 - 16
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg								
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg							**763**	
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg					**66.3**			
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	10 U	10 U	10 U	10 U	**30000 J***	10 U	**140000 J***	10 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09B30	09B30	09S01	09S02	09S03	09S04	09S05	09S06
	Sample Media:	SB	SB	SS	SS	SS	SS	SS	SS
	Sample Date:	10/15/1996	10/15/1996	5/30/1996	5/30/1996	5/30/1996	5/30/1996	5/29/1996	5/29/1996
	Sample Depth:	4 - 8	8 - 12	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								
MISCELLANEOUS C14-C28	mg/kg						**303**	**41.6**	
MISCELLANEOUS C16-C22	mg/kg								
MISCELLANEOUS C18-C24	mg/kg					**10**			
MISCELLANEOUS C18-C28	mg/kg								
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								**8.7**
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg								
MISCELLANEOUS C8-C10	mg/kg								
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg								
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	10 U	10 U	**11.3 J***	**18.8 J***	10 UJ*	**11 J***	**17.5 J***	10 UJ*

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S07	09S08	09S09	09S10	09S11	09S12	09S13	09S14
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	5/30/1996	6/10/1996	6/10/1996	5/29/1996	6/7/1996	6/7/1996	5/30/1996	5/29/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Total Petroleum Hydrocarbons	**Units**								
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg								**190**
MISCELLANEOUS C14-C28	mg/kg						**10.3**	**250**	
MISCELLANEOUS C16-C22	mg/kg			**2.8**					
MISCELLANEOUS C18-C24	mg/kg								
MISCELLANEOUS C18-C28	mg/kg		**55.7**		**32.3**				
MISCELLANEOUS C20-C22	mg/kg								
MISCELLANEOUS C20-C28	mg/kg								
MISCELLANEOUS C24-C28	mg/kg								
MISCELLANEOUS C7-C16	mg/kg								
MISCELLANEOUS C7-C18	mg/kg								
MISCELLANEOUS C8	mg/kg			**3.7**					
MISCELLANEOUS C8-C10	mg/kg		**12.8**						
MISCELLANEOUS C8-C16	mg/kg								
MISCELLANEOUS C8-C18	mg/kg								
MISCELLANEOUS C8-C9	mg/kg					**18**	**3.8**		
MISCELLANEOUS C9-C18	mg/kg								
TPH as Gasoline	ug/kg	**6.4 J**	10 U	10 U	10 UJ*	10 U	10 U	10 UJ*	**10.6**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-18
TPH Soil Detections
Fuel Tank Maintenance Hangar Area
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	09S15	09S16	09S17	09S18	09S19	09S20	09S21
	Sample Media:	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	5/29/1996	5/29/1996	5/29/1996	5/29/1996	6/10/1996	5/29/1996	6/7/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Total Petroleum Hydrocarbons	**Units**							
DIESEL C10-C22	mg/kg	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MISCELLANEOUS C12-C28	mg/kg							
MISCELLANEOUS C14-C28	mg/kg							**9.7**
MISCELLANEOUS C16-C22	mg/kg					**2.4**		
MISCELLANEOUS C18-C24	mg/kg							
MISCELLANEOUS C18-C28	mg/kg							
MISCELLANEOUS C20-C22	mg/kg						**1.2 J**	
MISCELLANEOUS C20-C28	mg/kg							
MISCELLANEOUS C24-C28	mg/kg							
MISCELLANEOUS C7-C16	mg/kg							
MISCELLANEOUS C7-C18	mg/kg							
MISCELLANEOUS C8	mg/kg					**2.9**		
MISCELLANEOUS C8-C10	mg/kg							
MISCELLANEOUS C8-C16	mg/kg							
MISCELLANEOUS C8-C18	mg/kg							
MISCELLANEOUS C8-C9	mg/kg							**17.7**
MISCELLANEOUS C9-C18	mg/kg							
TPH as Gasoline	ug/kg	**9.1 J**	10 UJ*	**6.6 J**	10 U	**5.3 J**	**21.3 J***	10 U

Notes:

Bold indicates that compound was detected.

SS - Surface Soil

SB - Subsurface Soil

U - Qualified as undetected

J - Qualified as estimated

B - Detected in associated method blank

D - Diluted for analysis

F - Detected in associated rinsate blank

* - Qualified in QC evaluation

E - Exceeded calibration range

Table 6-19
Inorganic Soil Detections
Skeet Range No. 4
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	18B01 SB 6/18/1996 1 - 5	18S01 SS 10/9/1996 0 - 0.5	18B02 SB 6/18/1996 1 - 5	18S02 SS 10/9/1996 0 - 0.5	18B04 SB 6/18/1996 1 - 5	18S04 SS 10/9/1996 0 - 0.5	18B05 SB 6/18/1996 1 - 5	18S05 SS 10/9/1996 0 - 0.5	18S06 SS 10/9/1996 0 - 0.5
Inorganics	**Units**									
Lead	mg/kg	**10**	**24.7 FJ***	**9.5**	**18.7 FJ***	**10.7**	**32.7 FJ***	**11.4**	**23.4 FJ***	**22.4 FJ***

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
J - Qualified as estimated
F - Detected in associated rinsate blank
* - Qualified in QC evaluation

Table 6-20
VOC Soil, Sediment, and Surface Water Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S01	02S02	02S03	02S04	02S05	02S06	02S08	02S09
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/13/1996	6/11/1996	6/13/1996	6/13/1996	6/13/1996	6/13/1996	6/19/1996	6/19/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
1,1-Dichloroethane	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
1,1-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
1,2-Dichloropropane	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
Acetone	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
2-Butanone	ug/kg								
Bromodichloromethane	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
Chloroform	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
cis-1,2-Dichloroethene	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	6 U	5 U
Methylene chloride	ug/kg	24 BU*	26 BU*	41 BU*	24 BU*	32 BU*J*	29 BU*J*	19 BU*	26 BU*
Toluene	ug/kg	6 U	6 U	**4 J**	6 U	**6 J***	6 UJ*	**12**	5 U
Trichloroethene	ug/kg	6 U	6 U	6 U	6 U	5 UJ*	6 UJ*	**3 J**	5 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
[1] - Surface water results displayed with units of µg/L
* - Qualified in QC evaluation
B - Detected in associated method blank
E - Exceeded calibration range
J - Qualified as estimated
U - Qualified as Non-detect

Table 6-20
VOC Soil, Sediment, and Surface Water Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S10	02S13	02S14	02S17	02S18	02S19	02S20	02S21
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/19/1996	6/19/1996	6/19/1996	6/19/1996	6/19/1996	6/20/1996	6/20/1996	6/20/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
1,1-Dichloroethane	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
1,1-Dichloroethene	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
1,2-Dichloropropane	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
Acetone	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
2-Butanone	ug/kg								
Bromodichloromethane	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
Chloroform	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
cis-1,2-Dichloroethene	ug/kg	5 U	6 U	6 U	6 U	5 U	6 UJ*	6 UJ*	6 UJ*
Methylene chloride	ug/kg	29 BU*	33 BU*	21 BU*	18 BU*	20 BU*	22 BU*	25 BU*	17 BU*
Toluene	ug/kg	**4 J**	**10**	**3 J**	**5 J**	**6**	6 UJ*	**11 J***	**8 J***
Trichloroethene	ug/kg	5 U	6 U	6 U	6 U	**3 J**	6 UJ*	**4 J**	6 UJ*

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
[1] - Surface water results displayed with units of µg/L
* - Qualified in QC evaluation
B - Detected in associated method blank
E - Exceeded calibration range
J - Qualified as estimated
U - Qualified as Non-detect

Table 6-20
VOC Soil, Sediment, and Surface Water Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S22	02S23	02S24	02S48	02S49	SED-011	SED-012	SW - 011[1]
	Sample Media:	SS	SS	SS	SD	SD	SD	SD	SW
	Sample Date:	6/20/1996	6/20/1996	6/20/1996	4/17/1997	4/16/1997	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5			
Volatile Organic Compounds	**Units**								
1,1,1-Trichloroethane	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U			
1,1-Dichloroethane	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U			
1,1-Dichloroethene	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U			
1,2-Dichloropropane	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U			
Acetone	ug/kg	6 U	**450 EJ***	6 UJ*	**1300 E**	**6 J**	**65**	**57**	**6.1**
2-Butanone	ug/kg						**14**	10 U	
Bromodichloromethane	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U			
Chloroform	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U			
cis-1,2-Dichloroethene	ug/kg	6 U	6 UJ*	6 UJ*	7 U	9 U	7.53 U	10.64 U	1 U
Methylene chloride	ug/kg	7 BU*	24 BU*	24 BU*	**16**	9 U			2 U
Toluene	ug/kg	**3 J**	6 UJ*	**12 J***	7 U	9 U			
Trichloroethene	ug/kg	6 U	6 UJ*	**4 J**	7 U	9 U	1.51 U	2.13 U	1 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
[1] - Surface water results displayed with units of µg/L
* - Qualified in QC evaluation
B - Detected in associated method blank
E - Exceeded calibration range
J - Qualified as estimated
U - Qualified as Non-detect

Table 6-20
VOC Soil, Sediment, and Surface Water Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	02S48[1] SW 4/17/1997	02S49[1] SW 4/16/1997
Volatile Organic Compounds	**Units**		
1,1,1-Trichloroethane	ug/kg		
1,1-Dichloroethane	ug/kg		
1,1-Dichloroethene	ug/kg		
1,2-Dichloropropane	ug/kg		
Acetone	ug/kg	5 U	5 U
2-Butanone	ug/kg		
Bromodichloromethane	ug/kg		
Chloroform	ug/kg		
cis-1,2-Dichloroethene	ug/kg	**1**	**1**
Methylene chloride	ug/kg	1 U	1 U
Toluene	ug/kg		
Trichloroethene	ug/kg	**3**	**2**

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
SW - Surface Water
[1] - Surface water results displayed with units of µg/L
* - Qualified in QC evaluation
B - Detected in associated method blank
E - Exceeded calibration range
J - Qualified as estimated
U - Qualified as Non-detect

Table 6-20
SVOC Soil and Sediment Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	02S01 SS 6/13/1996 0 - 0.5	02S02 SS 6/11/1996 0 - 0.5	02S03 SS 6/13/1996 0 - 0.5	02S04 SS 6/13/1996 0 - 0.5	02S05 SS 6/13/1996 0 - 0.5	02S06 SS 6/13/1996 0 - 0.5	02S08 SS 6/19/1996 0 - 0.5	02S09 SS 6/19/1996 0 - 0.5	02S10 SS 6/19/1996 0 - 0.5
Semivolatile Organic Compounds	**Units**									
2-Methylnaphthalene	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	360 U	360 U
Acenaphthene	ug/kg	380 U	400 U	420 U	380 U	490 U	**41 J**	390 U	360 U	360 U
Anthracene	ug/kg	380 U	400 U	420 U	380 U	490 U	**64 J**	390 U	360 U	360 U
Benzo(a)anthracene	ug/kg	**60 J**	**71 J**	**92 J**	**68 J**	**140 J**	**270 J**	390 U	**61 J**	360 U
Benzo(a)pyrene	ug/kg	380 U	**75 J**	**110 J**	380 U	**150 J**	**340 J**	390 U	**69 J**	360 U
Benzo(b)fluoranthene	ug/kg	**61 J**	**80 J**	**83 J**	**65 J**	**140 J**	**280 J**	390 U	**90 J**	360 U
Benzo(g,h,i)perylene	ug/kg	380 U	**60 J**	420 U	**71 J**	490 U	**280 J**	390 U	**64 J**	360 U
Benzo(k)fluoranthene	ug/kg	**64 J**	**77 J**	**120 J**	**88 J**	**140 J**	**370 J**	390 U	**80 J**	360 U
Benzoic Acid	ug/kg	1800 U	**68 J**	2000 U	1800 U	2400 U	2000 U	1900 U	1800 U	1700 U
bis(2-Ethylhexyl)phthalate	ug/kg	380 U	400 U	420 U	380 U	490 U	**52 JF**	390 U	110 JBU*	65 JBU*
Butyl benzyl phthalate	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	**210 J**	360 U
Carbazole	ug/kg									
Chrysene	ug/kg	**78 J**	**88 J**	**120 J**	**83 J**	**180 J**	**330 J**	390 U	**100 J**	360 U
Dibenz(a,h)anthracene	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	360 U	360 U
Dibenzofuran	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	360 U	360 U
Diethyl phthalate	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	360 U	360 U
Di-n-butylphthalate	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	**44 J**	360 U
Fluoranthene	ug/kg	**120 J**	**110 J**	**200 J**	**130 J**	**310 J**	**450**	390 U	**120 J**	360 U
Fluorene	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	ug/kg	380 U	**48 J**	**78 J**	**62 J**	490 U	**240 J**	390 U	**64 J**	360 U
Naphthalene	ug/kg	380 U	400 U	420 U	380 U	490 U	400 U	390 U	360 U	360 U
Nitrobenzene	ug/kg									
Pentachlorophenol	ug/kg	1800 U	1900 U	2000 U	1800 U	2400 U	2000 U	1900 U	1800 U	1700 U
Phenanthrene	ug/kg	**73 J**	**61 J**	**120 J**	**64 J**	**220 J**	**300 J**	390 U	**58 J**	360 U
Pyrene	ug/kg	**140 J**	**110 J**	**210 J**	**140 J**	**360 J**	**590**	390 U	**140 J**	360 U

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
* - Qualified in QC evaluation
B - Detected in associated method blank
D - Diluted for analysis
E - Exceeded calibration range
F - Detected in associated rinsate blank
J - Qualified as estimated
U - Qualified as undetected

Table 6-20
SVOC Soil and Sediment Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S13	02S14	02S17	02S18	02S19	02S20	02S21	02S22	02S23
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/19/1996	6/19/1996	6/19/1996	6/19/1996	6/20/1996	6/20/1996	6/20/1996	6/20/1996	6/20/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Semivolatile Organic Compounds	**Units**									
2-Methylnaphthalene	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Acenaphthene	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Anthracene	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Benzo(a)anthracene	ug/kg	380 U	370 U	380 U	**110 J**	**92 J**	390 U	380 U	400 U	410 U
Benzo(a)pyrene	ug/kg	380 U	370 U	380 U	**110 J**	370 U	390 U	380 U	400 U	410 U
Benzo(b)fluoranthene	ug/kg	**54 J**	370 U	380 U	**130 J**	**130 J**	390 U	380 U	400 U	410 U
Benzo(g,h,i)perylene	ug/kg	380 U	370 U	380 U	**90 J**	370 U	390 U	380 U	400 U	410 U
Benzo(k)fluoranthene	ug/kg	380 U	370 U	380 U	**100 J**	**90 J**	390 U	380 U	400 U	410 U
Benzoic Acid	ug/kg	**57 J**	1800 U	1900 U	1700 U	1800 U	1900 U	1900 U	1900 U	**230 J**
bis(2-Ethylhexyl)phthalate	ug/kg	350 JBU*	370 U	49 JBU*	130 JBU*	40 JBU*	68 JBU*	63 JBU*	53 JBU*	85 JBU*
Butyl benzyl phthalate	ug/kg	**67 J**	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Carbazole	ug/kg									
Chrysene	ug/kg	**46 J**	370 U	380 U	**120 J**	**110 J**	390 U	380 U	400 U	410 U
Dibenz(a,h)anthracene	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Dibenzofuran	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Diethyl phthalate	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Di-n-butylphthalate	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Fluoranthene	ug/kg	**68 J**	370 U	380 U	**240 J**	**100 J**	390 U	380 U	400 U	**83 J**
Fluorene	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Indeno(1,2,3-cd)pyrene	ug/kg	380 U	370 U	380 U	**87 J**	370 U	390 U	380 U	400 U	410 U
Naphthalene	ug/kg	380 U	370 U	380 U	360 U	370 U	390 U	380 U	400 U	410 U
Nitrobenzene	ug/kg									
Pentachlorophenol	ug/kg	1800 U	1800 U	1900 U	1700 U	1800 U	1900 U	1900 U	1900 U	2000 U
Phenanthrene	ug/kg	**44 J**	370 U	380 U	**150 J**	370 U	390 U	380 U	400 U	410 U
Pyrene	ug/kg	**76 J**	370 U	380 U	**210 J**	**120 J**	390 U	**78 J**	400 U	**110 J**

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
* - Qualified in QC evaluation
B - Detected in associated method blank
D - Diluted for analysis
E - Exceeded calibration range
F - Detected in associated rinsate blank
J - Qualified as estimated
U - Qualified as undetected

Table 6-20
SVOC Soil and Sediment Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S24	02S26	02S28	SS-178	SS-179	SS-180	SS-181	SS-182	SS-183
	Sample Media:	SS	SD	SD	SS	SS	SS	SS	SS	SS
	Sample Date:	6/20/1996	6/4/1996	6/3/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Semivolatile Organic Compounds	**Units**									
2-Methylnaphthalene	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Acenaphthene	ug/kg	400 U	480 U	**58 J**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Anthracene	ug/kg	400 U	480 U	**190 J**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Benzo(a)anthracene	ug/kg	400 U	480 U	**700**	340 U	**90 J**	350 U,R*	370 U	370 U	350 U
Benzo(a)pyrene	ug/kg	400 U	480 U	**750**	340 U	**87 J**	350 U,R*	370 U	370 U	350 U
Benzo(b)fluoranthene	ug/kg	400 U	480 U	**1200**	340 U	**130 J**	350 U,R*	370 U	370 U	**69 J**
Benzo(g,h,i)perylene	ug/kg	400 U	480 U	**170 J**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Benzo(k)fluoranthene	ug/kg	400 U	480 U	**1000**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Benzoic Acid	ug/kg	**99 J**	2400 U	2500 U						
bis(2-Ethylhexyl)phthalate	ug/kg	59 JBU*	**51 J**	**560**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Butyl benzyl phthalate	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Carbazole	ug/kg				340 U	350 U	350 U,R*	370 U	370 U	350 U
Chrysene	ug/kg	400 U	480 U	**1000**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Dibenz(a,h)anthracene	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Dibenzofuran	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Diethyl phthalate	ug/kg	400 U	480 U	520 U						
Di-n-butylphthalate	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Fluoranthene	ug/kg	**78 J**	480 U	**1300**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Fluorene	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Indeno(1,2,3-cd)pyrene	ug/kg	400 U	480 U	**200 J**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Naphthalene	ug/kg	400 U	480 U	520 U	340 U	350 U	350 U,R*	370 U	370 U	350 U
Nitrobenzene	ug/kg									
Pentachlorophenol	ug/kg	1900 U	2400 U	2500 U						
Phenanthrene	ug/kg	400 U	480 U	**610**	340 U	350 U	350 U,R*	370 U	370 U	350 U
Pyrene	ug/kg	**87 J**	480 U	**2000**	340 U	350 U	350 U,R*	370 U	370 U	350 U

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
* - Qualified in QC evaluation
B - Detected in associated method blank
D - Diluted for analysis
E - Exceeded calibration range
F - Detected in associated rinsate blank
J - Qualified as estimated
U - Qualified as undetected

Table 6-20
SVOC Soil and Sediment Detections
Landfill No.2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-184 SS 1/1/2000 0 - 0.5	02S25 SD 6/4/1996 0 - 0.5	SED-011 SD 1/1/2000	SED-012 SD 1/1/2000
Semivolatile Organic Compounds	**Units**				
2-Methylnaphthalene	ug/kg	**1200**	440 U		
Acenaphthene	ug/kg	**5000 E**	440 U		
Anthracene	ug/kg	**8700 D**	440 U	510 UJ*	410 UJ*
Benzo(a)anthracene	ug/kg	**28000 D**	440 U	**80 J**	410 UJ*
Benzo(a)pyrene	ug/kg	**28000 D**	440 U	510 UJ*	**72 J**
Benzo(b)fluoranthene	ug/kg	**39000 D**	440 U	**100 J**	**120 J**
Benzo(g,h,i)perylene	ug/kg	**13000 D**	440 U	**57 J**	**93 J**
Benzo(k)fluoranthene	ug/kg	**17000 D**	440 U	**49 J**	**51 J**
Benzoic Acid	ug/kg		2100 U		
bis(2-Ethylhexyl)phthalate	ug/kg	**450**	**170 J**	510 UJ*	410 UJ*
Butyl benzyl phthalate	ug/kg	360 U			
Carbazole	ug/kg	**7600 D**			
Chrysene	ug/kg	**33000 D**	440 U	**120 J**	**93 J**
Dibenz(a,h)anthracene	ug/kg	**4000 E**	440 U	510 UJ*	410 UJ*
Dibenzofuran	ug/kg	**3300 E**	440 U		
Diethyl phthalate	ug/kg				
Di-n-butylphthalate	ug/kg	**1200**	440 U		
Fluoranthene	ug/kg	**81000 E,D**	440 U	**320 J**	**120 J**
Fluorene	ug/kg	**4500 E**	440 U		
Indeno(1,2,3-cd)pyrene	ug/kg	**14000 D**	440 U	510 UJ*	**95 J**
Naphthalene	ug/kg	**3200 E**	440 U		
Nitrobenzene	ug/kg		440 U		
Pentachlorophenol	ug/kg		2100 U		
Phenanthrene	ug/kg	**62000 E,D**	440 U	510 UJ*	410 UJ*
Pyrene	ug/kg	**81000 E,D**	440 U	**220 J**	**100 J**

Notes:
Bold indicates that compound was detected.
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SS - Surface Soil
* - Qualified in QC evaluation
B - Detected in associated method blank
D - Diluted for analysis
E - Exceeded calibration range
F - Detected in associated rinsate blank
J - Qualified as estimated
U - Qualified as undetected

Table 6-20
Inorganic Soil, Sediment, and Surface Water Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S01	02S02	02S03	02S04	02S05	02S06	02S08	02S09	02S10
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/13/1996	6/11/1996	6/13/1996	6/13/1996	6/13/1996	6/13/1996	6/19/1996	6/19/1996	6/19/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**10900**	**12500**	**8330**	**11600**	**11400**	**12900**	**6140**	**5180**	**4590**
Antimony	mg/kg	1.8 UJ*	0.36 UJ*	2 UJ*	1.8 UJ*	1.8 UJ*	2 UJ*	0.35 UJ*	0.33 UJ*	0.33 UJ*
Arsenic	mg/kg	**6.6**	**6**	**5.8**	**5.3**	**6.3**	**7**	**5.6**	**4.7**	**4.6**
Barium	mg/kg	**165**	**167**	**167**	**209**	**141**	**152**	**142**	**153**	**115**
Beryllium	mg/kg	**0.79**	**0.85**	**0.73**	**0.83**	**0.81**	**0.85**	**0.63**	**0.48**	**0.51**
Cadmium	mg/kg	**0.7**	**0.39**	**1.2**	**0.46 B**	**0.85**	**0.88**	**0.55 B**	**1.2**	**0.33 B**
Calcium	mg/kg	**14500 F**	**10900 F**	**31900 F**	**13600 F**	**16900 F**	**23500 F**	**12400 F**	**12500 F**	**6290 F**
Chromium	mg/kg	**13.5 E**	**13 E**	**10.9 E**	**13 E**	**12.9 E**	**14.4 E**	**7.8**	**12.9**	**6.5**
Cobalt	mg/kg	**7.2**	**6.1**	**6.5**	**6.3**	**6.9**	**6.4**	**7**	**5.2**	**5.4**
Copper	mg/kg	**18.2**	**20.1**	**17.4**	**14**	**14.7**	**16**	**10.9**	**18**	**8.7**
Iron	mg/kg	**13200**	**13600**	**11500**	**12200**	**13500**	**14200**	**8810 F**	**10900 F**	**7000 F**
Lead	mg/kg	**81.4**	**26.3**	**44.6**	**31.4**	**30.5**	**19.4**	**11.5**	**27.4**	**11.5**
Magnesium	mg/kg	**2890**	**2830**	**2650**	**2920**	**2870**	**3340**	**1930**	**1860**	**1650**
Manganese	mg/kg	**470 F**	**283 F**	**369 F**	**359 F**	**399 F**	**329 F**	**446**	**315**	**341**
Mercury	mg/kg	**0.05**	**0.05**	**0.07**	0.04 U	0.04 U	**0.05**	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**15.1 E**	**14.2 E**	**14.9 E**	**15.4 E**	**16.7 E**	**17.5 E**	**13.4**	**13.1**	**10.9**
Potassium	mg/kg	**2710 F**	**2700 F**	**2680 F**	**2680 F**	**3010 F**	**3330 F**	**1680 F**	**1660 F**	**1470 F**
Selenium	mg/kg	0.34 U	0.36 U	0.38 U	0.35 U	0.33 U	0.37 U	0.35 U	**0.41 B**	**0.36 B**
Silver	mg/kg	0.22 U	0.23 U	0.24 U	0.22 U	0.21 U	0.23 U	0.22 U	0.21 U	**1.4**
Sodium	mg/kg	**148 BF**	**138 BF**	**180 BF**	**152 BF**	**158 BF**	**184 BF**	**163 BF**	**164 BF**	**145 BF**
Thallium	mg/kg	0.25 U	0.27 U	**0.31 B**	0.25 U	**0.26 B**	**0.42 B**	**0.31 BJ***	**0.31 BJ***	**0.34 BJ***
Vanadium	mg/kg	**23.8**	**25.6**	**28.7**	**27**	**33.2**	**38.6**	**26.6**	**18.3**	**18.8**
Zinc	mg/kg	**96.2 F**	**55.6 F**	**72.3 F**	**53.5 F**	**88 F**	**66.4 F**	**32.2**	**217**	**28.3**

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
SW - Surface Water
[1] - Surface water results displayed with units of µg/L
* - Qualified in QC evaluation
B - Detected in associated method blank
D - Diluted for analysis
E - Exceeded calibration range
F - Detected in associated rinsate blank
J - Qualified as estimated
U - Qualified as Non-detect

Table 6-20
Inorganic Soil, Sediment, and Surface Water Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S13	02S14	02S17	02S18	02S19	02S20	02S21	02S22	02S23
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/19/1996	6/19/1996	6/19/1996	6/19/1996	6/20/1996	6/20/1996	6/20/1996	6/20/1996	6/20/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**5550**	**7960**	**9070**	**6520**	**6530**	**9330**	**11400**	**11300**	**12100**
Antimony	mg/kg	0.34 UJ*	0.34 UJ*	0.35 UJ*	0.33 UJ*	0.33 UJ*	0.36 UJ*	0.35 UJ*	0.36 UJ*	**0.41 BJ***
Arsenic	mg/kg	**5.3**	**5.5**	**6.3**	**5.8**	**4.7**	**7.8**	**7.8**	**7.1**	**8**
Barium	mg/kg	**145**	**171**	**159**	**136**	**122**	**127**	**160**	**155**	**164**
Beryllium	mg/kg	**0.57**	**0.69**	**0.79**	**0.64**	**0.55**	**0.81**	**0.92**	**0.87**	**0.92**
Cadmium	mg/kg	**0.79**	**0.37 B**	**0.91**	**0.69**	**0.37 B**	**1.4**	**1.2**	**1.1**	**1.4**
Calcium	mg/kg	**14600 F**	**12900 F**	**33000 F**	**17700 F**	**11500 F**	**11900 F**	**21200 F**	**17300 F**	**16600 F**
Chromium	mg/kg	**8.1**	**9**	**10**	**8.5**	**7.8**	**10.8**	**13.1**	**12.7**	**13.8**
Cobalt	mg/kg	**5.7**	**6.7**	**7.7**	**5.9**	**4.8**	**7.4**	**7.6**	**7.6**	**9.2**
Copper	mg/kg	**16.9**	**11.1**	**15.3**	**13.7**	**10.8**	**15.5**	**18.8**	**16.7**	**17.6**
Iron	mg/kg	**8880 F**	**10700 F**	**11600 F**	**9530 F**	**8840 F**	**11400 F**	**14000 F**	**13700 F**	**14800 F**
Lead	mg/kg	**29.1**	**11.7**	**11.7**	**18.4**	**17.3**	**18.7**	**17.2**	**16.4**	**20.2**
Magnesium	mg/kg	**2130**	**2440**	**3050**	**2410**	**1910**	**2660**	**3170**	**3100**	**3240**
Manganese	mg/kg	**321**	**421**	**410**	**291**	**242**	**390**	**395**	**435**	**494**
Mercury	mg/kg	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	mg/kg	**15.8**	**13.3**	**19.9**	**14.3**	**10.6**	**17.2**	**20.9**	**20.1**	**20.7**
Potassium	mg/kg	**1910 F**	**1970 F**	**2490 F**	**1810 F**	**2020 F**	**2820 F**	**3090 F**	**2860 F**	**3270 F**
Selenium	mg/kg	0.34 U	**0.41 B**	0.35 U	**0.52 B**	**0.47 B**	**0.7**	**0.74**	**0.41 B**	**1.1**
Silver	mg/kg	0.22 U	0.21 U	0.22 U	0.21 U	0.21 U	0.23 U	0.22 U	0.23 U	0.24 U
Sodium	mg/kg	**165 BF**	**165 BF**	**196 BF**	**188 BF**	**171 BF**	**164 BF**	**180 BF**	**178 BF**	**192 BF**
Thallium	mg/kg	0.25 UJ*	**0.27 BJ***	**0.29 BJ***	0.24 UJ*	**0.25 BJ***	**0.37 BJ***	**0.47 BJ***	**0.38 BJ***	**0.45 BJ***
Vanadium	mg/kg	**20.2**	**22.8**	**34.6**	**26.9**	**19.9**	**30.7**	**41.8**	**36.2**	**39.2**
Zinc	mg/kg	**74.9**	**35.3**	**45.6**	**54.2**	**46.6**	**58.6**	**66.8**	**63.8**	**72.2**

Notes:

Bold indicates that compound was detected.

SD - Sediment

SS - Surface Soil

SW - Surface Water

[1] - Surface water results displayed with units of µg/L

* - Qualified in QC evaluation

B - Detected in associated method blank

D - Diluted for analysis

E - Exceeded calibration range

F - Detected in associated rinsate blank

J - Qualified as estimated

U - Qualified as Non-detect

Table 6-20
Inorganic Soil, Sediment, and Surface Water Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S24	02S26	02S28	SS-178	SS-179	SS-180	SS-181	SS-182	SS-183
	Sample Media:	SS	SD	SD	SS	SS	SS	SS	SS	SS
	Sample Date:	6/20/1996	6/4/1996	6/3/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**									
Aluminum	mg/kg	**7950 J***	**10500 F**	**7560 F**	**23000**	**22700**	**26100**	**22100**	**24700**	**17500**
Antimony	mg/kg	0.36 U	0.44 UJ*	0.81 BU*	**0.948 R***	**1.02 R***	**1.02 R***	**1.07 R***	**1.11 R***	**0.959 R***
Arsenic	mg/kg	**6.4**	**4.5**	**4.6**	**2.07**	**1.6**	**2.13**	**2.36**	**1.03**	**2.59**
Barium	mg/kg	**136**	**174 F**	**207 F**						
Beryllium	mg/kg	**0.78**	**0.95**	**1**	**0.967**	**0.996**	**1.1**	**1.04**	**1.1**	**0.815**
Cadmium	mg/kg	**1.2**	**0.97 J***	**1.5 J***	**0.9**	**0.89**	**0.77**	**1.49**	**1.29**	**1.09**
Calcium	mg/kg	**18300 F**	**6580 J*F**	**13200 J*F**						
Chromium	mg/kg	**10.1**	**12.5 F**	**19.9 F**	**22.9**	**24.5**	**25.3**	**23.2**	**25.2**	**19.5**
Cobalt	mg/kg	**7**	**5.3 J*F**	**9.7 J*F**	**6.88**	**8.06**	**16.7**	**8.19**	**8.45**	**7.11**
Copper	mg/kg	**15.6**	**14.3 F**	**34.1 F**	**16.9**	**16**	**16.7**	**20.1**	**21**	**15.1**
Iron	mg/kg	**10800 F**	**9300 F**	**15300 F**						
Lead	mg/kg	**19.9**	**20.9 J***	**45.8 J***	**20.7 J***	**23.2 J***	**24.6 J***	**23.5 J***	**28 J***	**18.8 J***
Magnesium	mg/kg	**2560**	**2860**	**2430**						
Manganese	mg/kg	**416**	**194 J***	**1000 J***	**304 J***	**360 J***	**329 J***	**418 J***	**359 J***	**397 J***
Mercury	mg/kg	0.04 U	**0.05**	**0.08**	0.159 U	0.166 U	0.162 U	0.173 U	0.172 U	0.161 U
Nickel	mg/kg	**18.3**	**11.8**	**21.9**	**17.2**	**16.8**	**18.7**	**21.1**	**20.8**	**15.8**
Potassium	mg/kg	**2660 F**	**1250 F**	**1490 F**						
Selenium	mg/kg	**0.95**	0.44 U	**0.64 B**	**1.5 J***	1.02 U	1.02 U	1.07 U	1.11 U	**2.13 J***
Silver	mg/kg	0.23 U	**0.46 B**	**1.1 B**	0.664 UJ*	0.716 UJ*	0.717 UJ*	0.747 UJ*	0.775 UJ*	0.671 UJ*
Sodium	mg/kg	**195 BF**	**421**	**295 B**						
Thallium	mg/kg	**0.4 BJ***	0.32 UJ*	0.35 UJ*	1.52 U	1.64 U	1.64 U	1.71 U	1.77 U	1.53 U
Vanadium	mg/kg	**31.2**	**21**	**27.2**	**51.7**	**52.4**	**52.9**	**54.4**	**54.1**	**47.7**
Zinc	mg/kg	**78.9**	**45.3**	**117**						

Notes:

Bold indicates that compound was detected.

SD - Sediment

SS - Surface Soil

SW - Surface Water

[1] - Surface water results displayed with units of µg/L

* - Qualified in QC evaluation

B - Detected in associated method blank

D - Diluted for analysis

E - Exceeded calibration range

F - Detected in associated rinsate blank

J - Qualified as estimated

U - Qualified as Non-detect

Table 6-20
Inorganic Soil, Sediment, and Surface Water Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	SS-184 / SS / 1/1/2000 / 0 - 0.5	02S25 / SD / 6/4/1996 / 0 - 0.5	SED-011 / SD / 1/1/2000	SED-012 / SD / 1/1/2000	SW-011[1] / SW / 1/1/2000
Inorganics	**Units**					
Aluminum	mg/kg	**17700**	**15700 F**	**16900**	**19300**	75 U
Antimony	mg/kg	**1.03 R***	0.4 UJ*	1.48 U,R*	1.21 U,R*	10 U
Arsenic	mg/kg	**2.92**	**5.2**	0.741 U	0.605 U	5 U
Barium	mg/kg		**134 F**			
Beryllium	mg/kg	**0.852**	**0.95**	**0.871**	**0.918**	1 U
Cadmium	mg/kg	**0.888**	**0.33 J***	**1.16**	**1.82**	5 U
Calcium	mg/kg		**4670 J*F**			
Chromium	mg/kg	**17.7**	**14.8 F**	**24.2**	**23.4**	**7.1**
Cobalt	mg/kg	**8.27**	**8.8 J*F**	**8.03**	**8.88**	7 U
Copper	mg/kg	**14.9**	**13 F**	**17.8 J***	**21 J***	**11.6**
Iron	mg/kg		**15300 F**			
Lead	mg/kg	**32 J***	**13.9 J***	**21.6**	**35.2**	**14.3**
Magnesium	mg/kg		**3390**			
Manganese	mg/kg	**412 J***	**185 J***	**317 J***	**238 J***	7 U
Mercury	mg/kg	0.167 U	0.04 U	0.237 U	0.19 U	0.2 U
Nickel	mg/kg	**15.5**	**15.1**	**16.5**	**17.7**	30 U
Potassium	mg/kg		**2010 F**			
Selenium	mg/kg	1.03 U	0.4 U	**2.87**	1.21 U	5 U
Silver	mg/kg	0.721 UJ*	0.25 U	1.04 U	0.847 U	7 U
Sodium	mg/kg		**360**			
Thallium	mg/kg	1.65 U	0.29 UJ*	**3.03 J***	**2.08 J***	5 U
Vanadium	mg/kg	**41**	**24.7**	**33.4**	**37.8**	**14.4**
Zinc	mg/kg		**44.1**			

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
SW - Surface Water
[1] - Surface water results displayed with units of µg/L
* - Qualified in QC evaluation
B - Detected in associated method blank
D - Diluted for analysis
E - Exceeded calibration range
F - Detected in associated rinsate blank
J - Qualified as estimated
U - Qualified as Non-detect

Table 6-20
PCB, Pesticide, and Dioxin Soil and Sediment Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S01	02S02	02S03	02S04	02S05	02S06	02S08	02S09	02S10
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/13/1996	6/11/1996	6/13/1996	6/13/1996	6/13/1996	6/13/1996	6/19/1996	6/19/1996	6/19/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
PCBs/Pesticides	**Units**									
PCB-1254	ug/kg	77 U	81 U	86 U	77 U	100 U	82 U	79 U	74 U	73 U
PCB-1260	ug/kg	77 U	81 U	86 U	77 U	100 U	82 U	79 U	74 U	73 U
4,4`-DDD	ug/kg	2.9 U	3 U	3.2 U	2.9 U	3.7 U	3 U	2.9 U	2.7 U	2.7 U
4,4`-DDE	ug/kg	2.9 U	3 U	3.2 U	2.9 U	3.7 U	3 U	2.9 U	2.7 U	2.7 U
4,4`-DDT	ug/kg	2.9 U	3 U	3.2 U	2.9 U	3.7 U	3 U	2.9 U	2.7 U	2.7 U
Endosulfan II	ug/kg	2.9 U	3 U	3.2 U	2.9 U	3.7 U	3 U	2.9 U	2.7 U	2.7 U
Endrin aldehyde	ug/kg	2.9 U	3 U	3.2 U	2.9 U	3.7 U	3 U	2.9 U	2.7 U	2.7 U
Heptachlor	ug/kg	1.5 U	1.6 U	1.7 U	1.5 U	1.9 U	1.6 U	1.5 U	1.4 U	1.4 U
Dioxins	**Units**									
2,3,7,8-TCDD	ng/kg									

Notes:

Bold indicates that compound was detected.

SD - Sediment

SS - Surface Soil

SW - Surface Water

* - Qualified in QC evaluation

U - Qualified as Non-detect

[1] - Surface water results displayed with units of ng/L

Table 6-20
PCB, Pesticide, and Dioxin Soil and Sediment Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S13	02S14	02S17	02S18	02S19	02S20	02S21	02S22	02S23
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SS
	Sample Date:	6/19/1996	6/19/1996	6/19/1996	6/19/1996	6/20/1996	6/20/1996	6/20/1996	6/20/1996	6/20/1996
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
PCBs/Pesticides	**Units**									
PCB-1254	ug/kg	76 U	74 U	78 U	73 U	74 U	80 U	78 U	81 U	84 U
PCB-1260	ug/kg	76 U	74 U	78 U	73 U	74 U	80 U	78 U	81 U	84 U
4,4`-DDD	ug/kg	2.8 U	2.8 U	2.9 U	2.7 U	2.8 U	3 U	2.9 U	3 U	3.1 U
4,4`-DDE	ug/kg	2.8 U	2.8 U	2.9 U	2.7 U	2.8 U	3 U	**4.9**	3 U	3.1 U
4,4`-DDT	ug/kg	2.8 U	2.8 U	2.9 U	2.7 U	2.8 U	3 U	2.9 U	3 U	3.1 U
Endosulfan II	ug/kg	2.8 U	2.8 U	2.9 U	2.7 U	**4.2**	3 U	2.9 U	3 U	3.1 U
Endrin aldehyde	ug/kg	2.8 U	2.8 U	2.9 U	2.7 U	2.8 U	3 U	2.9 U	3 U	3.1 U
Heptachlor	ug/kg	1.5 U	1.4 U	1.5 U	1.4 U	1.4 U	1.5 U	1.5 U	1.6 U	1.6 U
Dioxins	**Units**									
2,3,7,8-TCDD	ng/kg									

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
SW - Surface Water
* - Qualified in QC evaluation
U - Qualified as Non-detect
[1] - Surface water results displayed with units of ng/L

Table 6-20
PCB, Pesticide, and Dioxin Soil and Sediment Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	02S24	02S25	02S26	02S28	SS-178	SS-179	SS-180	SS-181	SS-182
	Sample Media:	SS	SD	SD	SD	SS	SS	SS	SS	SS
	Sample Date:	6/20/1996	6/4/1996	6/4/1996	6/3/1996	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
PCBs/Pesticides	**Units**									
PCB-1254	ug/kg	81 U	89 U	98 U	100 U	33 U	**87**	34 U	36 U	36 U
PCB-1260	ug/kg	81 U	89 U	98 U	100 U	**39**	35 U	34 U	36 U	36 U
4,4`-DDD	ug/kg	3 U	3.3 U	3.7 U	**6.6**					
4,4`-DDE	ug/kg	3 U	3.3 U	3.7 U	3.9 U					
4,4`-DDT	ug/kg	3 U		3.7 U	3.9 U					
Endosulfan II	ug/kg	3 U		3.7 U	3.9 U					
Endrin aldehyde	ug/kg	3 U	3.3 U	3.7 U	3.9 U					
Heptachlor	ug/kg	1.6 U	1.7 U	1.9 U	2 U					
Dioxins	**Units**									
2,3,7,8-TCDD	ng/kg					**0.1**	**0.068 I**	0.049 U	**0.11 I**	**0.37**

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
SW - Surface Water
* - Qualified in QC evaluation
U - Qualified as Non-detect
[1] - Surface water results displayed with units of ng/L

Table 6-20
PCB, Pesticide, and Dioxin Soil and Sediment Detections
Landfill No. 2, Suspect Tank Sludge Burial Site, and Buried Disposal Vault
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SS-183 SS 1/1/2000 0 - 0.5	SS-184 SS 1/1/2000 0 - 0.5	SED-011 SD 1/1/2000	SW-011[1] SW 1/1/2000
PCBs/Pesticides	**Units**				
PCB-1254	ug/kg	34 U	35 U		
PCB-1260	ug/kg	34 U	35 U	**150 J**	
4,4`-DDD	ug/kg				
4,4`-DDE	ug/kg				
4,4`-DDT	ug/kg				
Endosulfan II	ug/kg				
Endrin aldehyde	ug/kg				
Heptachlor	ug/kg				
Dioxins	**Units**				
2,3,7,8-TCDD	ng/kg	0.048 U	0.04 U	**1 I**	0.0042 U

Notes:
Bold indicates that compound was detected.
SD - Sediment
SS - Surface Soil
SW - Surface Water
* - Qualified in QC evaluation
U - Qualified as Non-detect
[1] - Surface water results displayed with units of ng/L

Table 6-21
VOC Sediment and Surface Water Detections
Skeet and Trap Range No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	SED-006 SD 1/1/2000	SW-006[1] SW 1/1/2000
Volatile Organic Compounds	**Units**		
2-Butanone	ug/kg	**17**	
Acetone	ug/kg	**47**	1 U
Carbon disulfide	ug/kg	**16**	
Carbon tetrachloride	ug/kg	1.94 U	
Chloroform	ug/kg		
cis-1,2-Dichloroethene	ug/kg	9.71 U	1 U
Methylene chloride	ug/kg		2 U
o-Xylene	ug/kg		
Toluene	ug/kg		
trans-1,2-Dichloroethene	ug/kg		
Trichloroethene	ug/kg	1.94 U	1 U

Notes:

Bold indicates that compound was detected.

SD - Sediment

SW - Surface Water

1 - Surface water results displayed with units of µg/L

U - Qualified as undetected

Table 6-21
SVOC Soil and Sediment Detections
Skeet and Trap Range No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	SED-006	SS-016	SS-017	SS-018	SS-068	SS-069	SS-070
	Sample Media:	SD	SS	SS	SS	SS	SS	SS
	Sample Date:	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000	1/1/2000
	Sample Depth:		0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Semivolatile Organic Compounds	**Units**							
2-Methylnaphthalene	ug/kg		**100 J**	370 U	**230 J**	360 U	360 U	**4600 J**
4-Methylphenol (p-Cresol)	ug/kg		**210 J**	370 U	350 U	360 U	360 U	34000 U
Acenaphthene	ug/kg		**230 J**	370 U	**1300**	360 U	**300 J**	**50000**
Anthracene	ug/kg	**56 J**	**270 J**	**610**	**1500**	**62 J**	**400**	**97000**
Benzo(a)anthracene	ug/kg	**440 J**	**1400**	**2400**	**7300 D**	**440**	**1900**	**250000**
Benzo(a)pyrene	ug/kg	**550 J**	**1500**	**2300**	**6100 D**	**500 B**	**1600 B**	**220000 B**
Benzo(b)fluoranthene	ug/kg	**700 J**	**2900 D**	**4400 D**	**9500 D**	**890**	**2500**	**280000 D**
Benzo(g,h,i)perylene	ug/kg	**400 J**	**950**	**1800**	**5200 D**	**370**	**1200**	**130000**
Benzo(k)fluoranthene	ug/kg	**320 J**	**2100**	**2600**	**2300**	**310 J,B**	**1100 B**	**160000 B**
bis(2-Ethylhexyl)phthalate	ug/kg	750 UJ*	**6200 D,B,A**	370 U	**290 J,B**	360 U	360 U	34000 U
Carbazole	ug/kg		**240 J**	**590**	**1500**	360 U	**380**	**54000**
Chrysene	ug/kg	**590 J**	**1700**	**2700**	**7900 D**	**670**	**2200**	**260000**
Dibenz(a,h)anthracene	ug/kg	**130 J**	**180 J**	**340 J**	**720**	360 U	**310 J**	**36000**
Dibenzofuran	ug/kg		**160 J**	370 U	**810**	360 U	**150 J**	**28000 J**
Di-n-butylphthalate	ug/kg		360 U	370 U	350 U	360 U	360 U	34000 U
Di-n-octylphthalate	ug/kg		360 U	370 U	350 U	360 U	360 U	34000 U
Fluoranthene	ug/kg	**840 J***	**2100**	**4800 D**	**13000 D**	**1000**	**4800 D**	**630000 D**
Fluorene	ug/kg		**200 J**	370 U	**1100**	360 U	**260 J**	**51000**
Indeno(1,2,3-cd)pyrene	ug/kg	**460 J**	**1700**	**3500 D**	**8700 D**	**400**	**1300**	**140000**
Naphthalene	ug/kg		**180 J**	370 U	**800**	360 U	**140 J**	**21000 J**
Phenanthrene	ug/kg	**280 J**	**1500**	**4000 D**	**13000 D**	**470**	**2700**	**410000 D**
Phenol	ug/kg		360 U	370 U	350 U	360 U	360 U	34000 U
Pyrene	ug/kg	**710 J**	**2600**	**4800 D**	**14000 D**	**1000**	**3700 D**	440000 U

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SD - Sediment
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
* - Qualified in QC evaluation

Table 6-21
Inorganic Soil, Sediment, and Surface Water Detections
Skeet and Trap Range No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	16B01 SB 6/13/1996 1 - 5	16B02 SB 6/13/1996 1 - 5	16B03 SB 6/13/1996 1 - 5	16B04 SB 6/13/1996 1 - 5	16B05 SB 6/13/1996 1 - 5	16B06 SB 6/13/1996 1 - 5	16B07 SB 6/14/1996 1 - 5	16B08 SB 6/14/1996 1 - 5	16B09 SB 6/14/1996 1 - 5	16B10 SB 6/14/1996 1 - 5
Inorganics	**Units**										
Aluminum	mg/kg										
Antimony	mg/kg										
Arsenic	mg/kg										
Barium	mg/kg										
Beryllium	mg/kg										
Cadmium	mg/kg										
Calcium	mg/kg										
Chromium	mg/kg										
Cobalt	mg/kg										
Copper	mg/kg										
Iron	mg/kg										
Lead	mg/kg	**10.8**	**9.5**	**11.7**	**11.1**	**12.2**	**12.2**	**10.5**	**12.1**	**10.4**	**16.4**
Magnesium	mg/kg										
Manganese	mg/kg										
Mercury	mg/kg										
Nickel	mg/kg										
Potassium	mg/kg										
Selenium	mg/kg										
Silver	mg/kg										
Sodium	mg/kg										
Thallium	mg/kg										
Vanadium	mg/kg										
Zinc	mg/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SW - Surface Water
SD - Sediment
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-21
Inorganic Soil, Sediment, and Surface Water Detections
Skeet and Trap Range No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	16B11	16B12	16B13	16B14	16S01	16S02	16S03	16S04	16S05	16S06
	Sample Media:	SB	SB	SB	SB	SS	SS	SS	SS	SS	SS
	Sample Date:	6/14/1996	6/14/1996	6/14/1996	6/14/1996	6/13/1996	6/13/1996	6/13/1996	6/13/1996	6/13/1996	6/13/1996
	Sample Depth:	1 - 5	1 - 5	1 - 5	1 - 5	0 - 0_5	0 - 0_5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5
Inorganics	**Units**										
Aluminum	mg/kg										
Antimony	mg/kg										
Arsenic	mg/kg										
Barium	mg/kg										
Beryllium	mg/kg										
Cadmium	mg/kg										
Calcium	mg/kg										
Chromium	mg/kg										
Cobalt	mg/kg										
Copper	mg/kg										
Iron	mg/kg										
Lead	mg/kg	**11.4**	**10.9**	**11.9**	**10.9**	**39.4**	**62**	**18**	**30.9**	**34.3**	**118**
Magnesium	mg/kg										
Manganese	mg/kg										
Mercury	mg/kg										
Nickel	mg/kg										
Potassium	mg/kg										
Selenium	mg/kg										
Silver	mg/kg										
Sodium	mg/kg										
Thallium	mg/kg										
Vanadium	mg/kg										
Zinc	mg/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SW - Surface Water
SD - Sediment
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-21
Inorganic Soil, Sediment, and Surface Water Detections
Skeet and Trap Range No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location:	16S07	16S08	16S09	16S10	16S11	16S12	16S13	16S14	SED-006	SS-016
	Sample Media:	SS	SS	SS	SS	SS	SS	SS	SS	SD	SS
	Sample Date:	6/21/1996	6/21/1996	6/21/1996	6/21/1996	6/21/1996	6/21/1996	6/21/1996	6/21/1996	1/1/2000	1/1/2000
	Sample Depth:	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5	0 - 0.5		0 - 0.5
Inorganics	**Units**										
Aluminum	mg/kg									**19900**	**7210**
Antimony	mg/kg									2.15 U,R*	1.08 U
Arsenic	mg/kg									1.08 U	**1.72**
Barium	mg/kg										
Beryllium	mg/kg									**1.02**	**0.56**
Cadmium	mg/kg									**1.59**	**0.961**
Calcium	mg/kg										
Chromium	mg/kg									**24.6**	**10.3**
Cobalt	mg/kg									**9.13**	**23**
Copper	mg/kg									**22.6 J***	**20.5**
Iron	mg/kg										
Lead	mg/kg	**31.3**	**79.5**	**45.2**	**177**	**38**	**20.2**	**22.8**	**64.1**	**37.6**	**36.8**
Magnesium	mg/kg										
Manganese	mg/kg									**569 J***	**543**
Mercury	mg/kg									0.348 U	0.168 U
Nickel	mg/kg									**21.4**	**11.5**
Potassium	mg/kg										
Selenium	mg/kg									2.15 U	**3.29**
Silver	mg/kg										
Sodium	mg/kg										
Thallium	mg/kg									**3.86 J***	1.73 U
Vanadium	mg/kg									**40.8**	**21.9**
Zinc	mg/kg										

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SW - Surface Water
SD - Sediment
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-21
Inorganic Soil, Sediment, and Surface Water Detections
Skeet and Trap Range No. 2
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: / Sample Media: / Sample Date: / Sample Depth:	SS-017 / SS / 1/1/2000 / 0 - 0.5	SS-018 / SS / 1/1/2000 / 0 - 0.5	SS-068 / SS / 1/1/2000 / 0 - 0.5	SS-069 / SS / 1/1/2000 / 0 - 0.5	SS-070 / SS / 1/1/2000 / 0 - 0.5	SW-006[1] / SW / 1/1/2000
Inorganics	**Units**						
Aluminum	mg/kg	**8390**	**4860**	**14900**	**14100**	**4070**	75 U
Antimony	mg/kg	1.08 U	1.01 U	0.992 U	1.02 U	0.976 U	10 U
Arsenic	mg/kg	**1.6**	**2.55**	**7.37**	0.509 U	**8.95 J***	5 U
Barium	mg/kg						
Beryllium	mg/kg	**0.61**	**0.419**	**0.865**	**0.801**	**0.164**	1 U
Cadmium	mg/kg	**0.539 ND**	**1.29**	**0.95**	**0.66**	**4.24**	5 U
Calcium	mg/kg						
Chromium	mg/kg	**10.6**	**15**	**16.7**	**15.7**	**20.1**	**7.8**
Cobalt	mg/kg	**7.36**	**5.99**	**8.13**	**7.21**	**3.44**	7 U
Copper	mg/kg	**12.3**	**16.1**	**16.3**	**20.2**	**23.2**	**10.6**
Iron	mg/kg						
Lead	mg/kg	**21.6**	**66.3**	**31.2**	**140**	**1170**	15.1
Magnesium	mg/kg						
Manganese	mg/kg	**657**	**548**	**706**	**327**	**468**	**7 U**
Mercury	mg/kg	**0.247**	0.164 U	0.166 U	0.166 U	0.158 U	**0.382 J***
Nickel	mg/kg	**13**	**10.5**	**15.4**	**13.7**	**15.6**	30 U
Potassium	mg/kg						
Selenium	mg/kg	1.08 U	**4.42**	**4.24**	1.02 U	**15.8**	5 U
Silver	mg/kg						7 U
Sodium	mg/kg						
Thallium	mg/kg	1.72 U	1.62 U	1.59 U	1.63 U	1.56 U	
Vanadium	mg/kg	**22.6**	**17.6**	**32**	**31.2**	**30**	12 U
Zinc	mg/kg						

Notes:
Bold indicates that compound was detected.
SS - Surface Soil
SB - Subsurface Soil
SW - Surface Water
SD - Sediment
1 - Surface water results displayed with units of µg/L
U - Qualified as undetected
J - Qualified as estimated
B - Detected in associated method blank
D - Diluted for analysis
F - Detected in associated rinsate blank
* - Qualified in QC evaluation
E - Exceeded calibration range

Table 6-22
Soil Detections
Former Pumphouses Nos. 4, 5, 6, and 7
Former Schilling Air Force Base
Salina, Kansas

Analyte	Sample Location: Sample Media: Sample Date: Sample Depth:	33B02 SB 6/4/1996 8 - 12	34B03 SB 6/5/1996 11 - 16	35B04 SB 6/6/1996 6 - 10	36B01 SB 6/10/1996 8 - 12
Volatile Organic Compounds	**Units**				
Benzene	ug/kg	1 U	1 U	1 U	1250 U
Ethylbenzene	ug/kg	1 U	1 U	1 U	**1360**
Toluene	ug/kg	1 U	**0.6 J**	1 U	1250 U
Xylenes (total)	ug/kg	1 U	1 U	1 U	**5920**
1,2-Dichloroethane	ug/kg	1 U	1 U	1 U	125 U
Total Petroleum Hydrocarbons	**Units**				
MISCELLANEOUS C8-C18	mg/kg				**257**
TPH as Gasoline	ug/kg	**5.3 J**	**10 U**	**10 U**	**109000**

Notes:

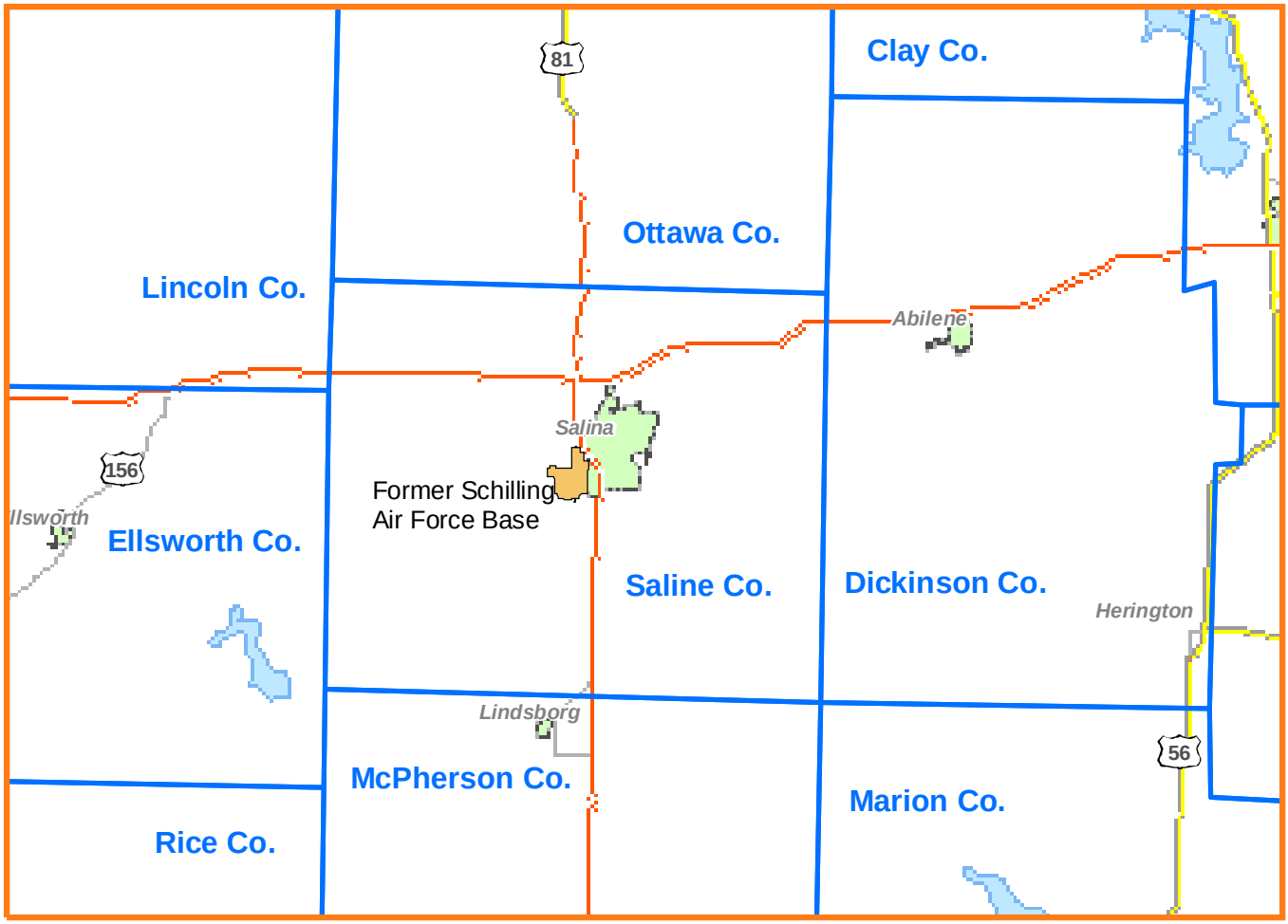
Bold indicates that compound was detected.

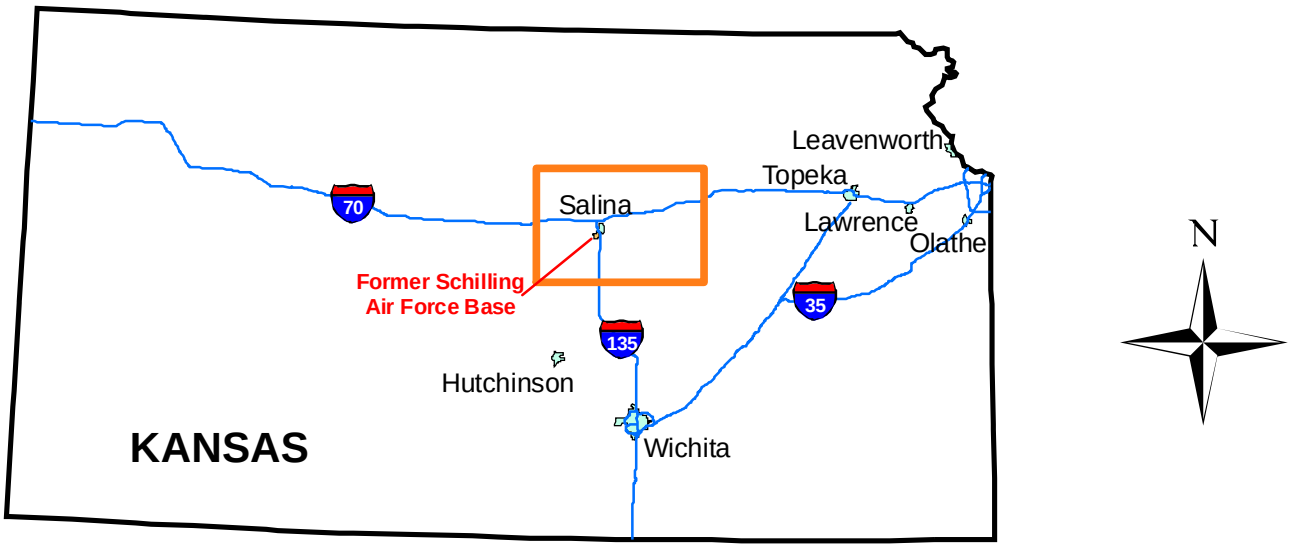
SB - Subsurface soil

U - Qualified as undetected

J - Qualified as estimated

Figures





Burns & McDonnell
SINCE 1898

Figure 1-1

SITE LOCATION MAP

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

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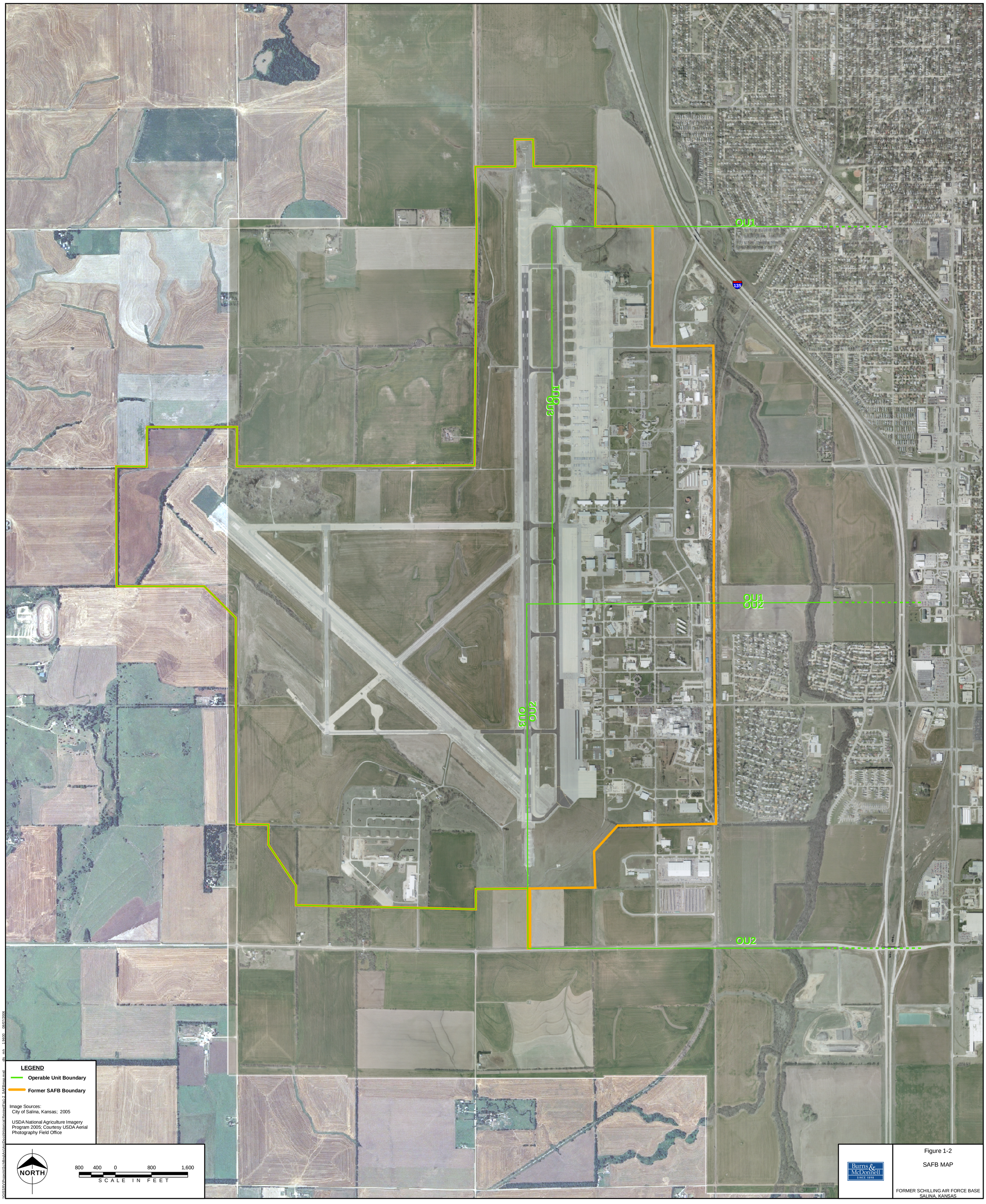


Figure 1-2

SAFB MAP

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSERV\Projects\Schilling\ArcArcDocs\Historical Review\Fig1-2_SAFBmap.mxd dfs mb 1:9600 08/07/2006

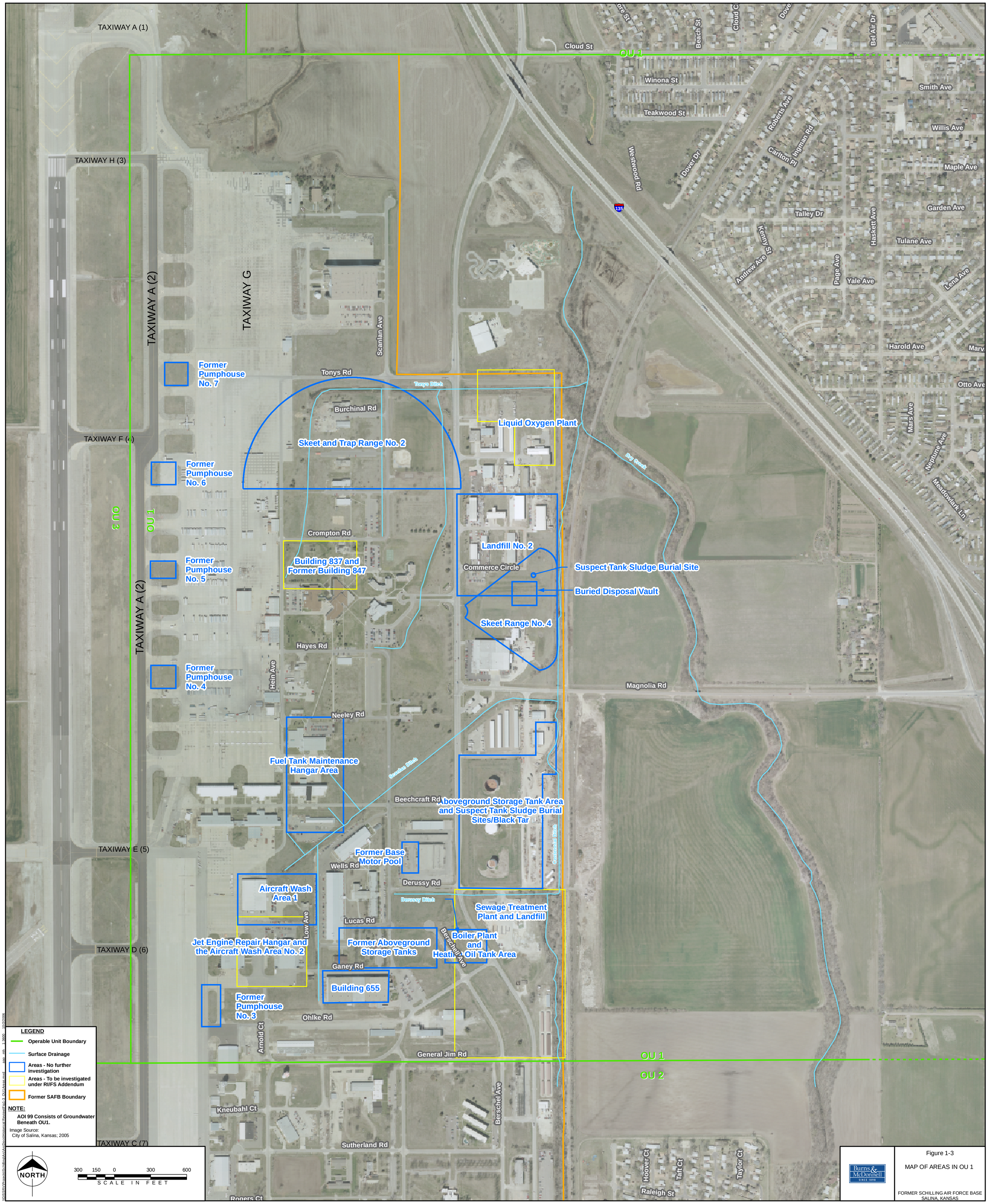


Figure 1-3

MAP OF AREAS IN OU 1

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

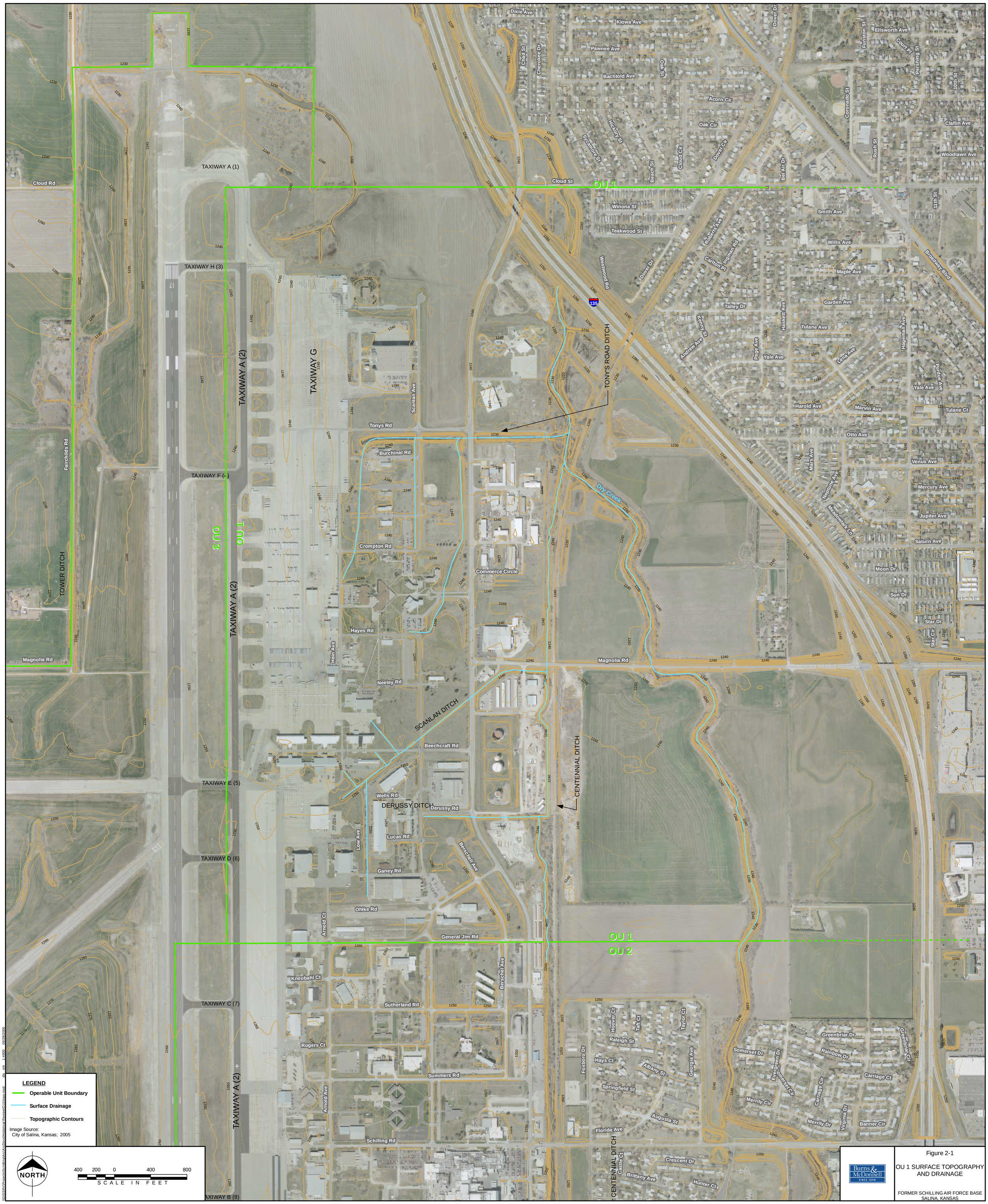
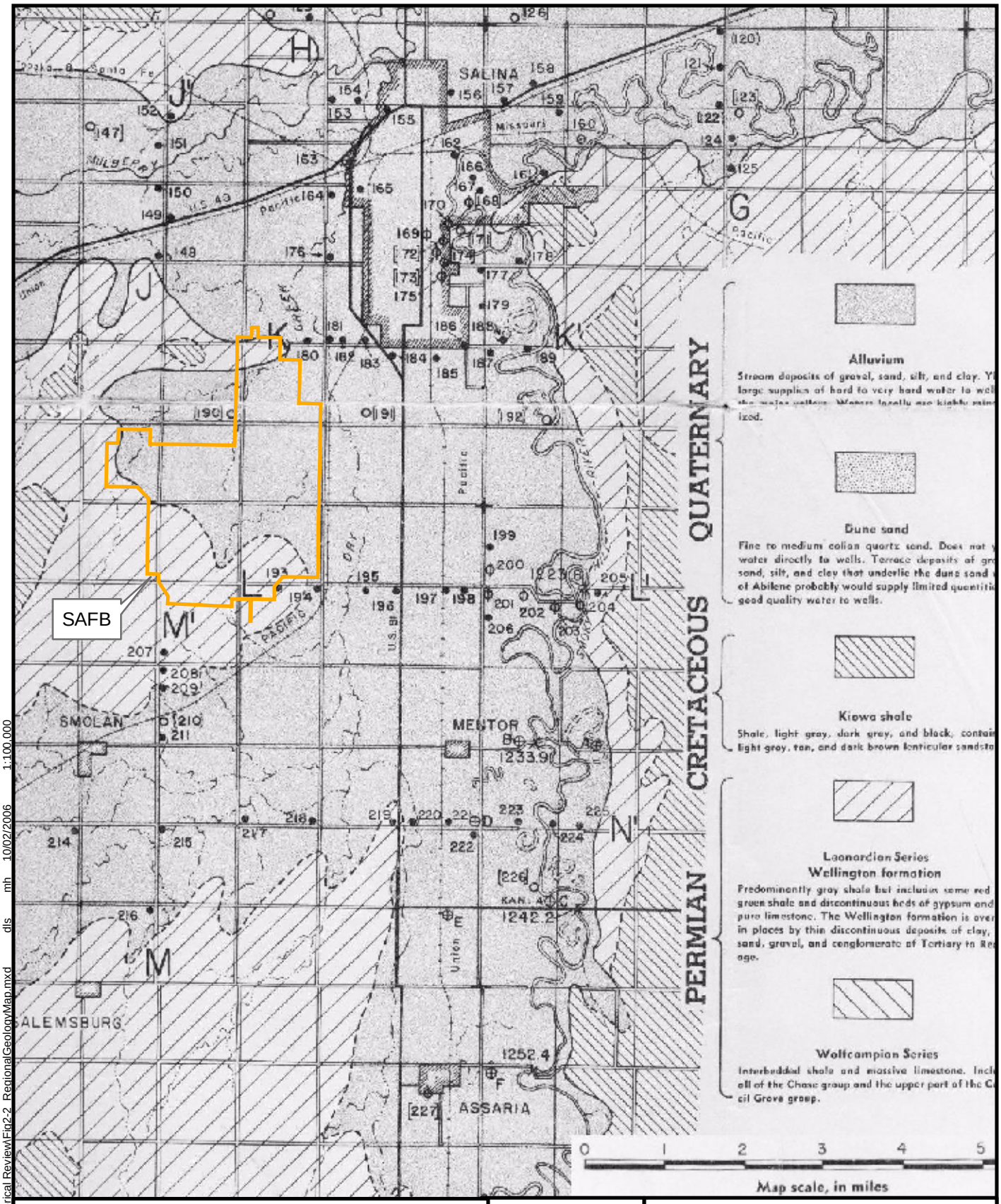


Figure 2-1

OU 1 SURFACE TOPOGRAPHY AND DRAINAGE

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSERV\Projects\Schilling\Arc\ArcDocs\Historical Review\OU1topo.mxd dls mh 14800 08/28/2006



NOTE:

From Plate 1,
Aerial Geology of Smoky Hill Valley in Saline, Dickinson, and Geary counties, Kansas, Latta, 1949.

Burns & McDonnell
SINCE 1898

Figure 2-2

REGIONAL GEOLOGY MAP

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

U:\Schilling\ARC\ArcDocs\Historical Review\Fig2-2_RegionalGeologyMap.mxd dls mh 10/02/2006 1:100,000

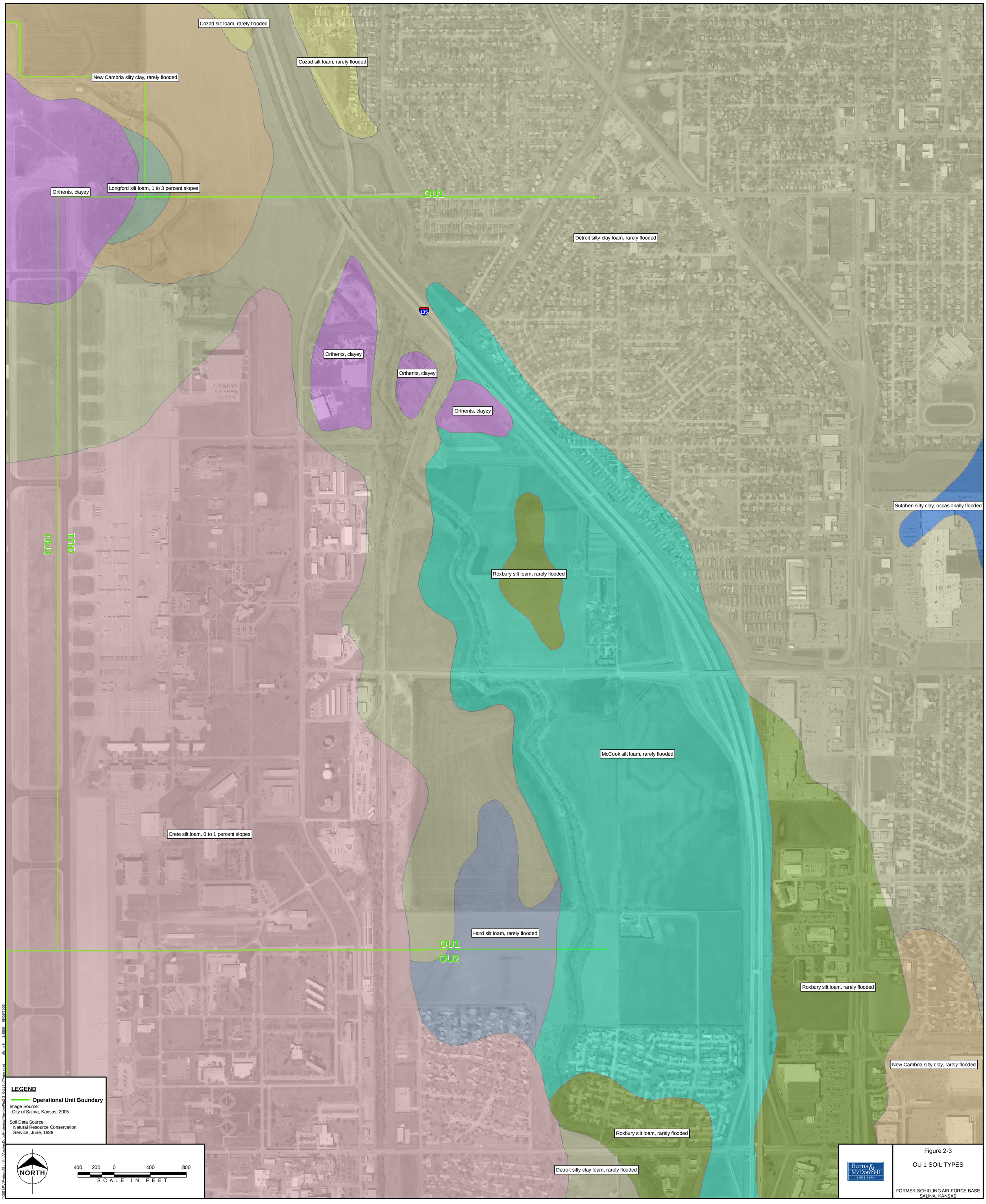


Figure 2-3

OU 1 SOIL TYPES

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ArcArcDocs\Historical Review\Fig2-3_OU1SoilTypes.mxd dls nth 14800 08/09/2006

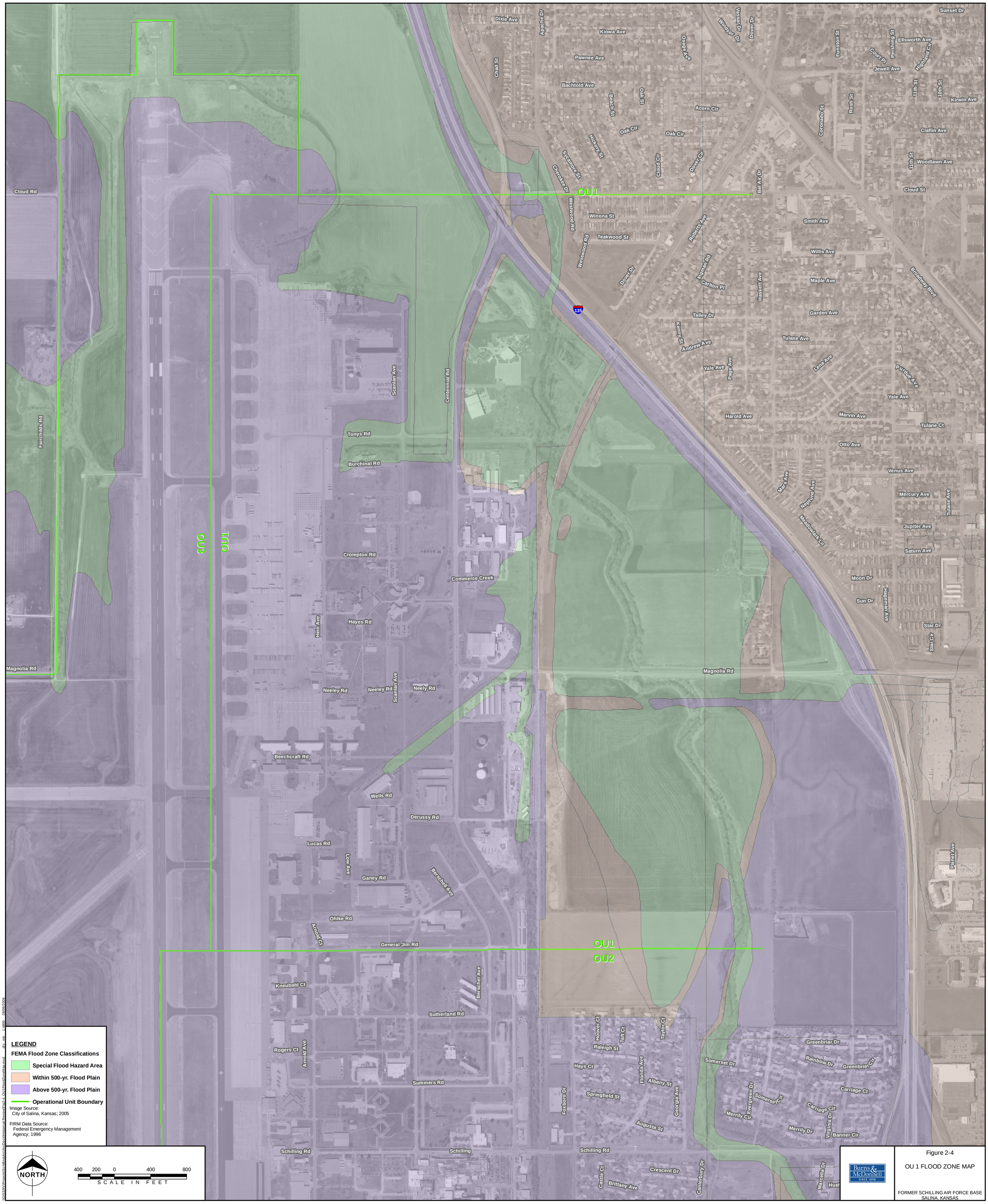


Figure 2-4

OU 1 FLOOD ZONE MAP

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GIS\SRV\Projects\Schilling\ArcArcDocs\Historical Review\Fig2-4_OU1FloodZoneMap.mxd dfs mb 1:4800 08/09/2006

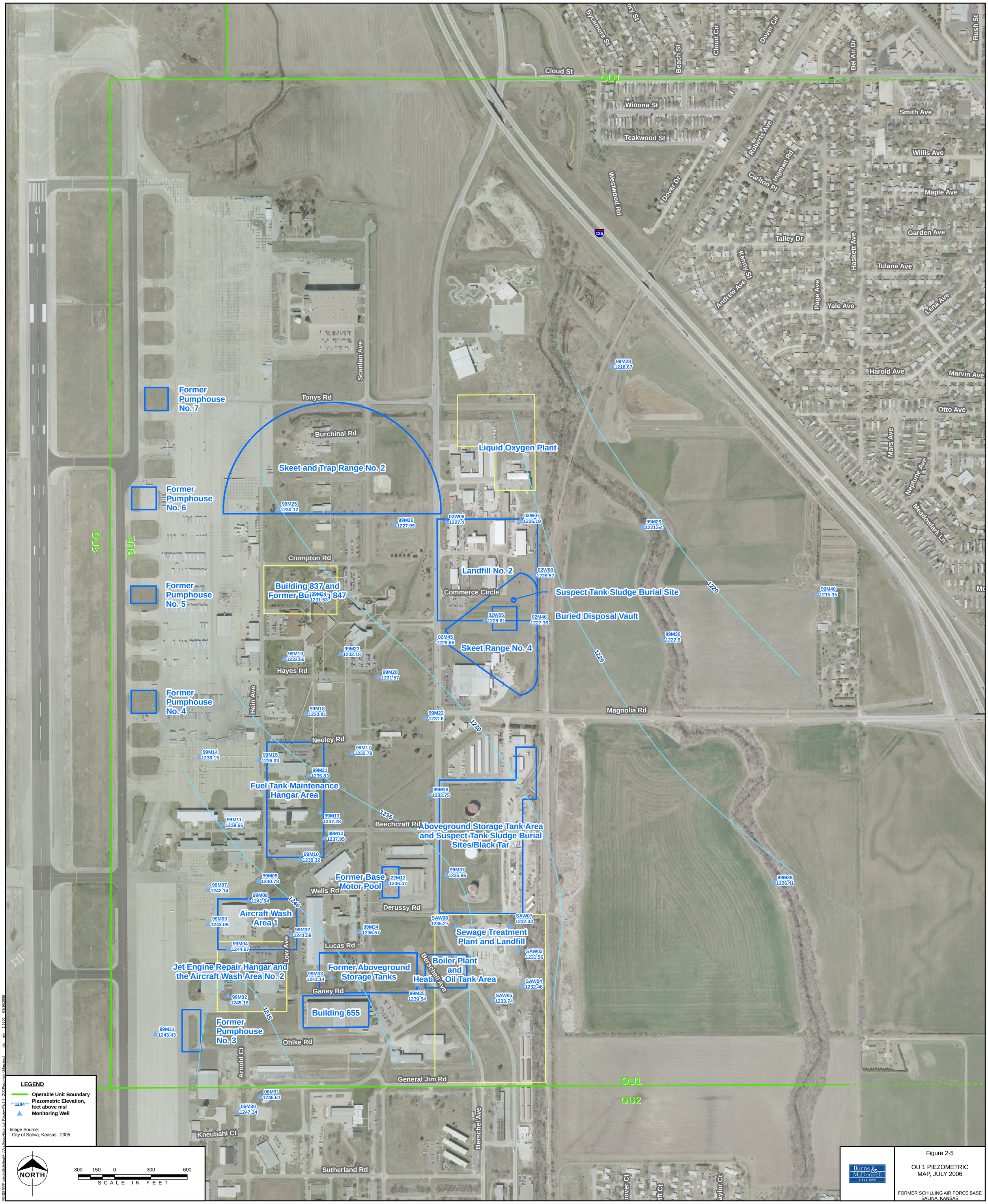
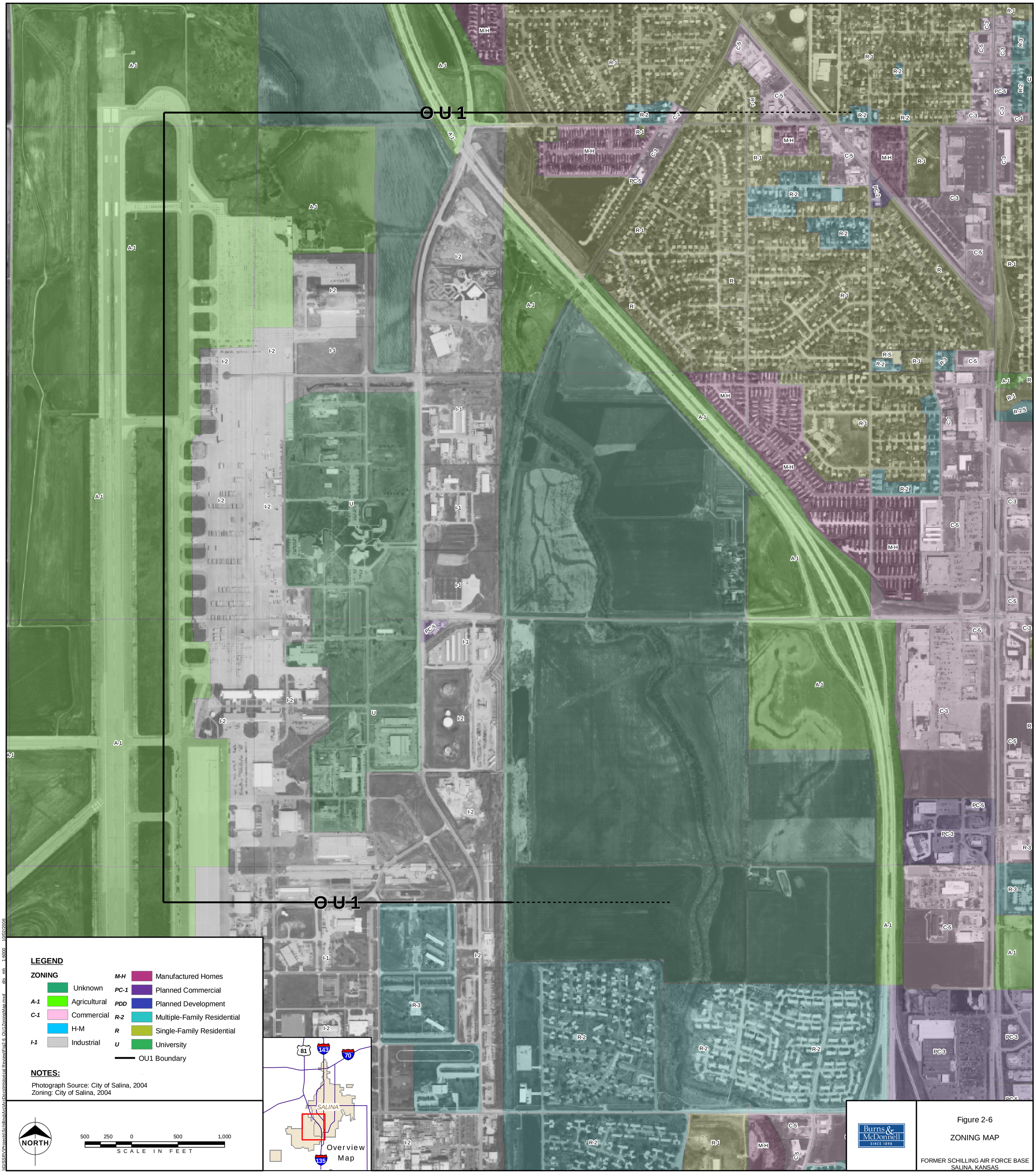
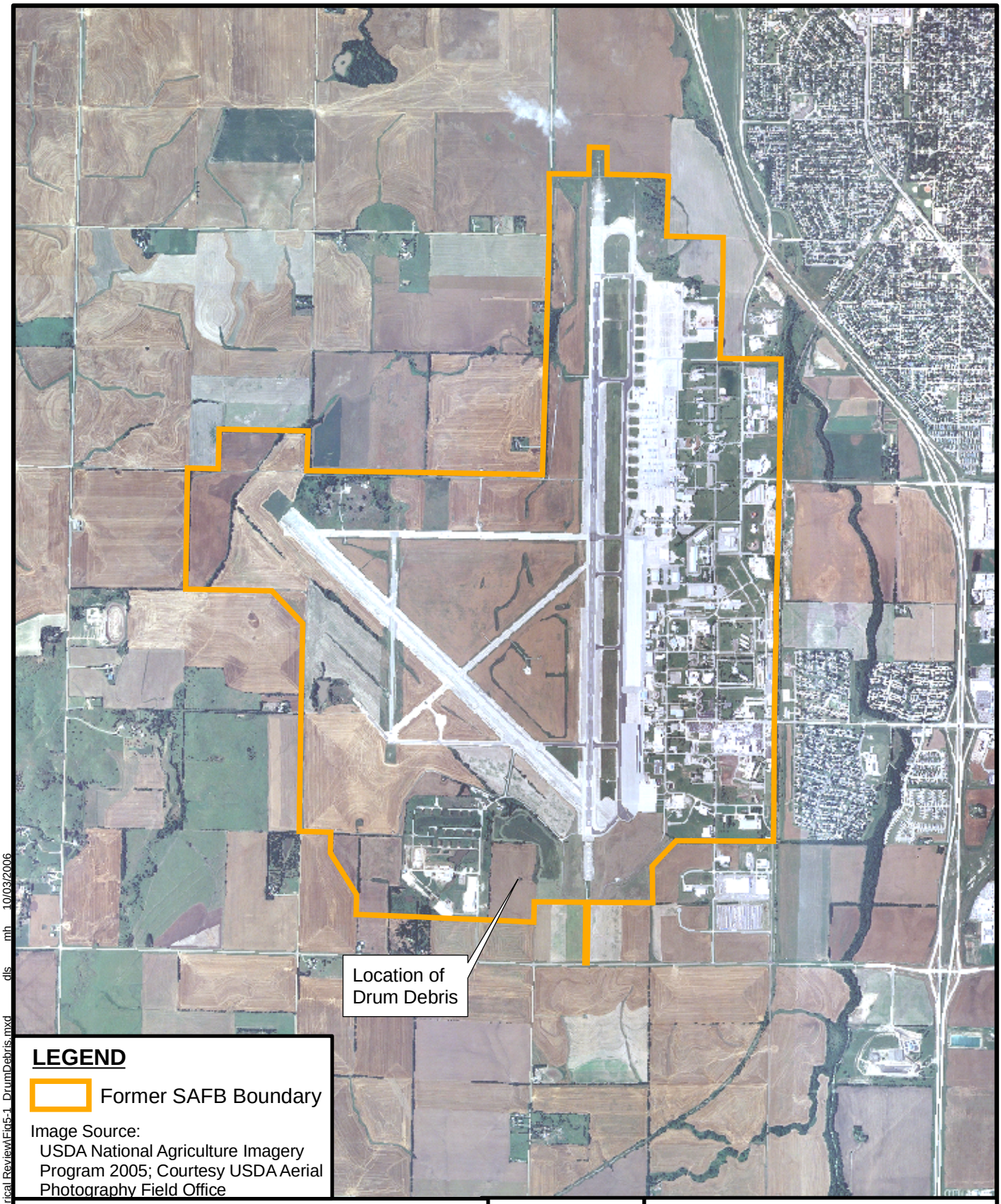


Figure 2-5

OU 1 PIEZOMETRIC MAP, JULY 2006

FORMER SCHILLING AIR FORCE BASE SALINA, KANSAS


OU1
OU1
LEGEND
ZONING
Unknown
A-1 Agricultural
C-1 Commercial
H-M
I-1 Industrial
M-H Manufactured Homes
PC-1 Planned Commercial
PDD Planned Development
R-2 Multiple-Family Residential
R Single-Family Residential
U University
OU1 Boundary
NOTES:
Photograph Source: City of Salina, 2004
Zoning: City of Salina, 2004
NORTH
500 250 0 500 1,000
SCALE IN FEET
SALINA
Overview Map
Burns & McDonnell
SINCE 1898
Figure 2-6
ZONING MAP
FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS



LEGEND

Former SAFB Boundary

Image Source:
USDA National Agriculture Imagery Program 2005; Courtesy USDA Aerial Photography Field Office

NORTH

3,000 1,500 0 3,000 6,000

SCALE IN FEET

Burns & McDonnell
SINCE 1898

Figure 5-1

LOCATION OF DRUM DEBRIS

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

U:\Schilling\ARC\ArcDocs\Historical Review\Fig5-1_DrumDebris.mxd dls mh 10/03/2006

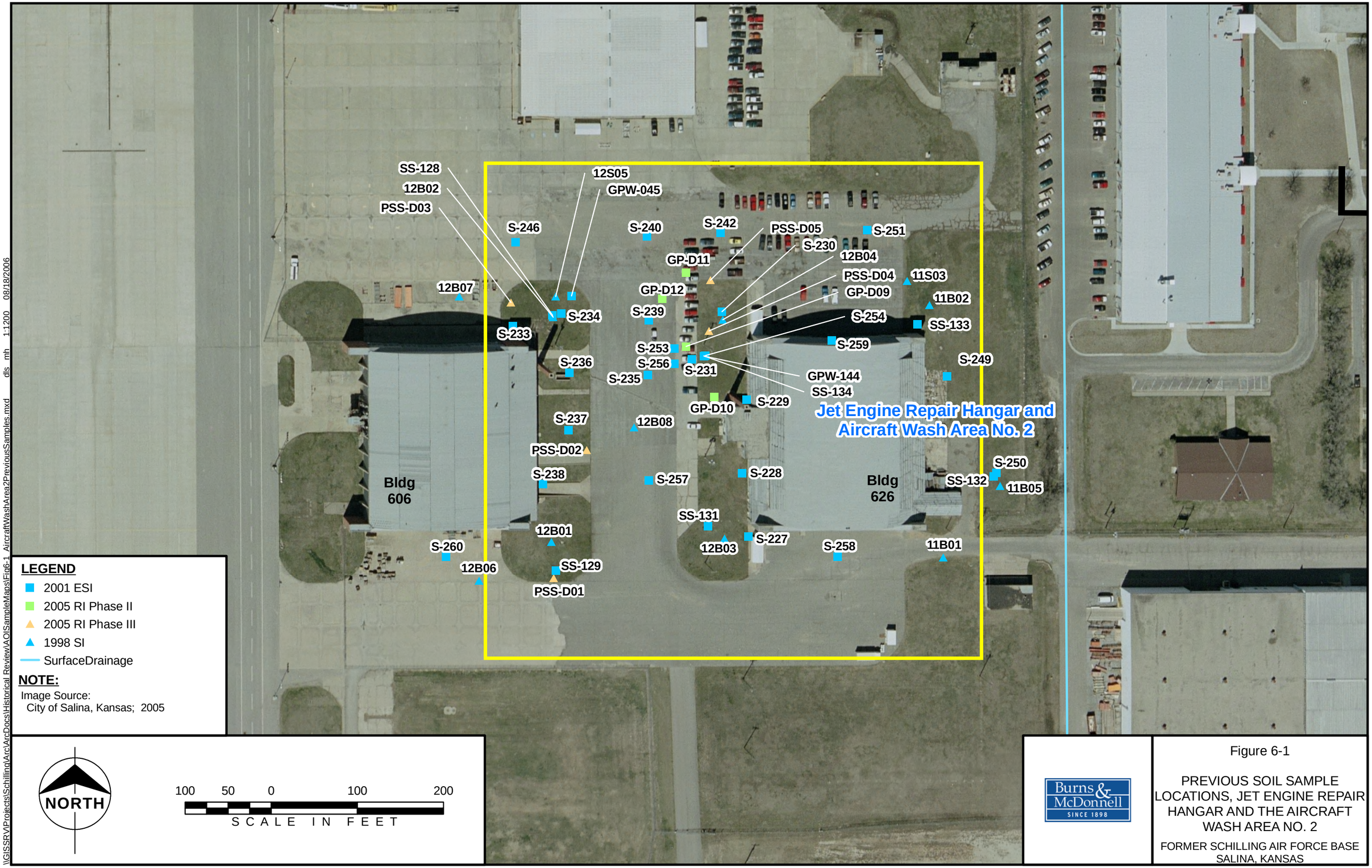


Figure 6-1

PREVIOUS SOIL SAMPLE LOCATIONS, JET ENGINE REPAIR HANGAR AND THE AIRCRAFT WASH AREA NO. 2

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-1_AircraftWashArea2PreviousSamples.mxd dls mh 1:1200 08/18/2006

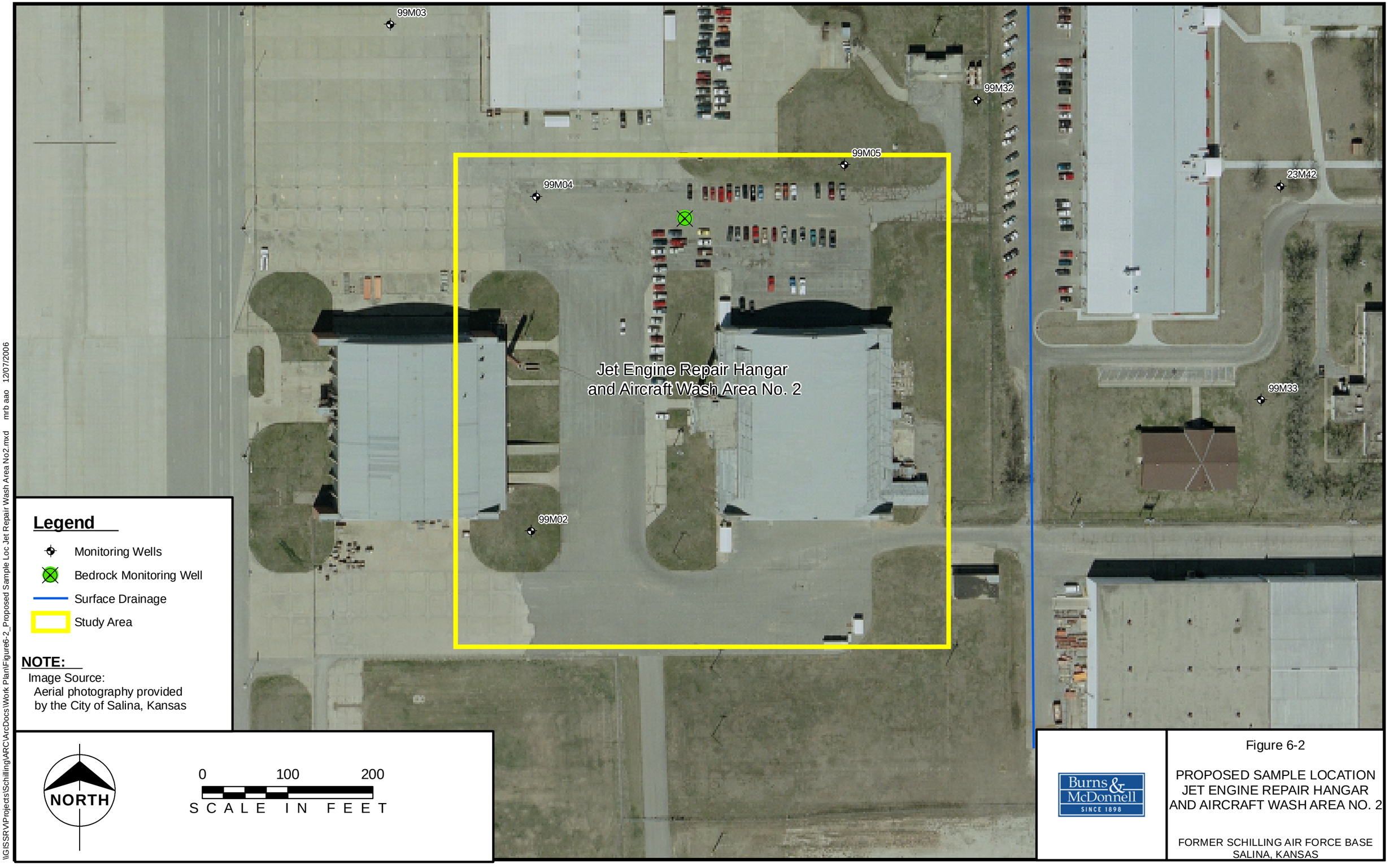


Figure 6-2

PROPOSED SAMPLE LOCATION
JET ENGINE REPAIR HANGAR
AND AIRCRAFT WASH AREA NO. 2

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ARC\ArcDocs\Work Plan\Figure6-2_Proposed Sample Loc Jet Repair Wash Area No2.mxd mrb aao 12/07/2006

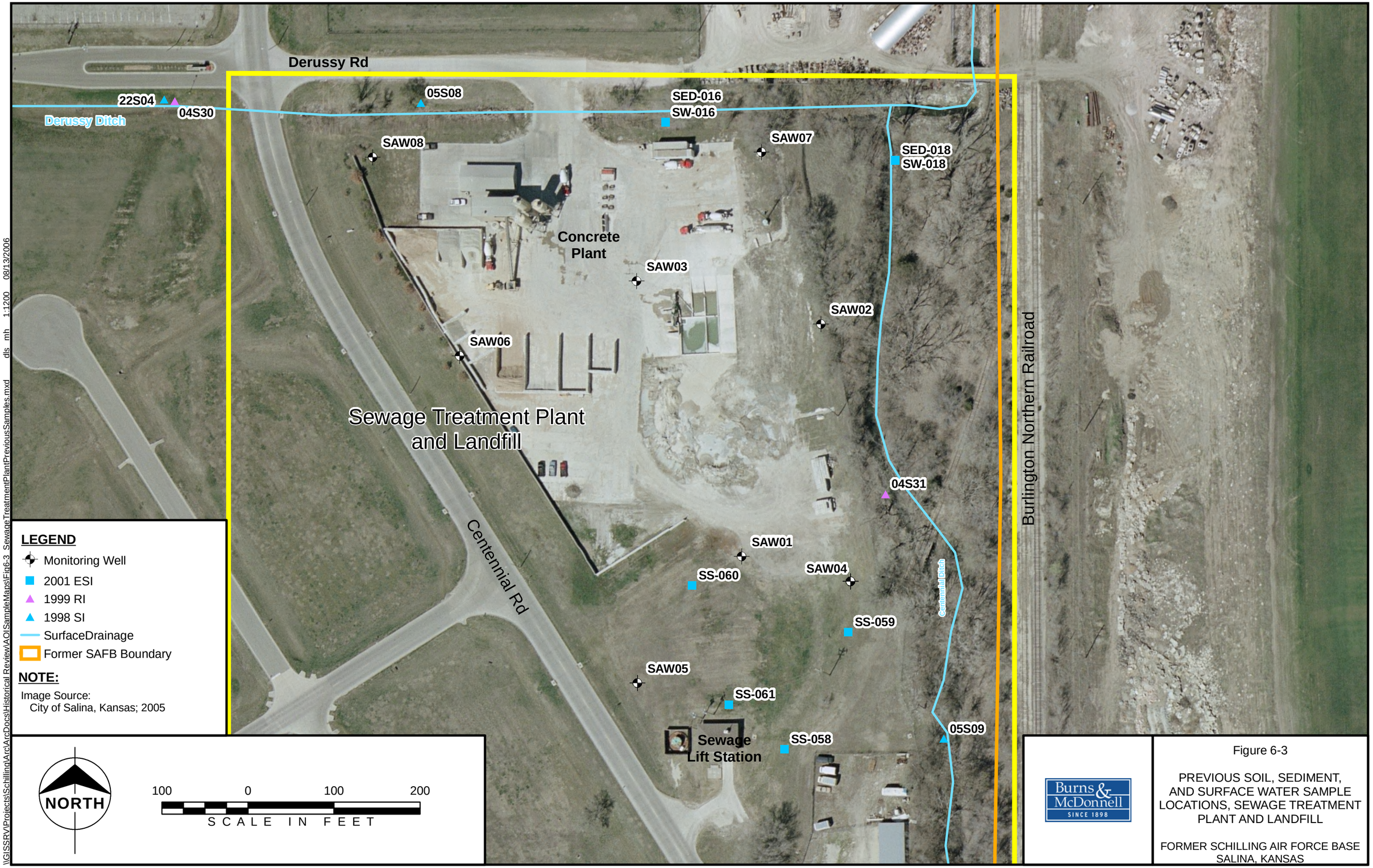


Figure 6-3

PREVIOUS SOIL, SEDIMENT, AND SURFACE WATER SAMPLE LOCATIONS, SEWAGE TREATMENT PLANT AND LANDFILL

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOI\SampleMaps\Fig6-3_SewageTreatmentPlantPreviousSamples.mxd dls mh 1:1200 08/13/2006

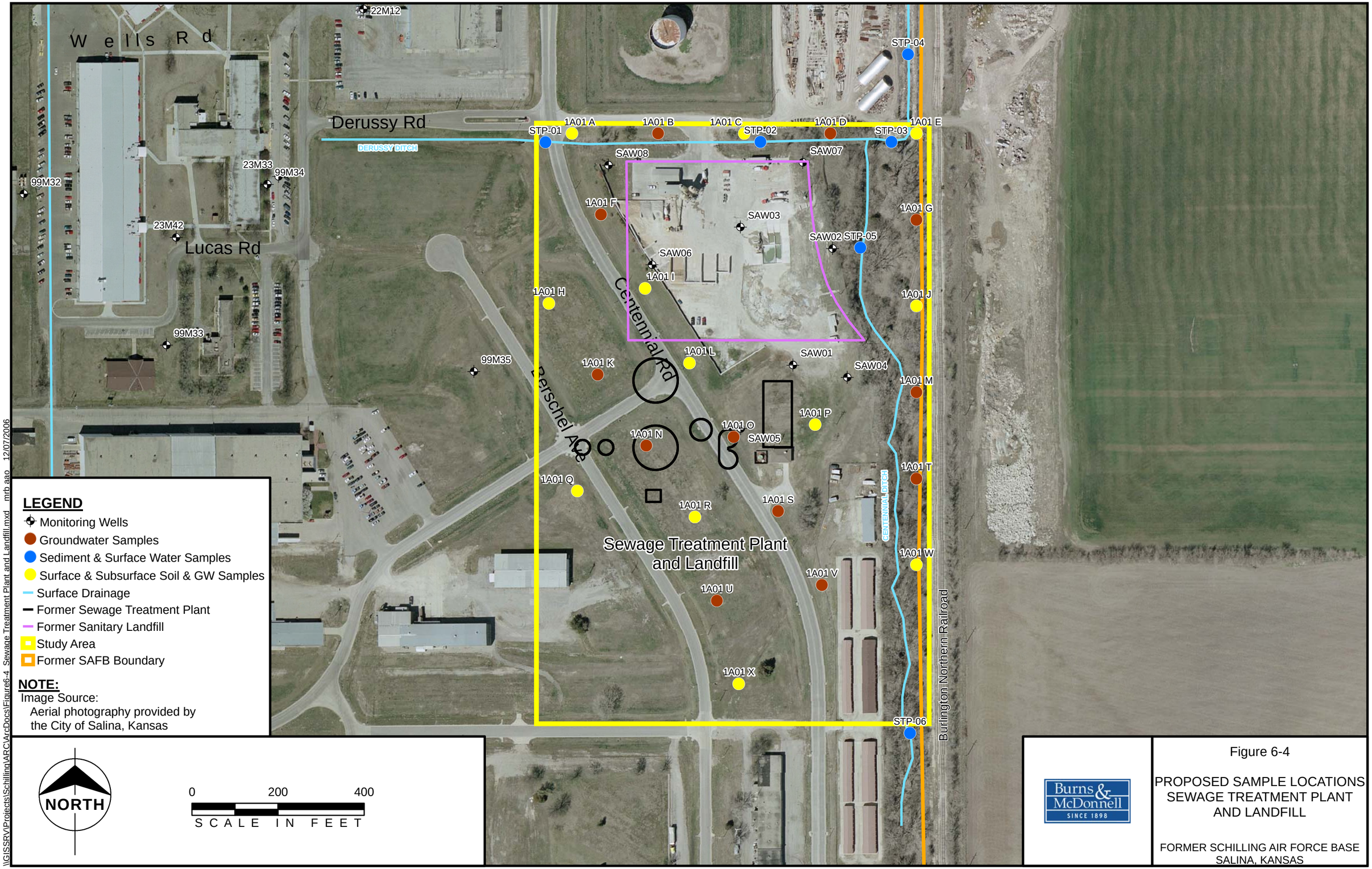


Figure 6-4

PROPOSED SAMPLE LOCATIONS
SEWAGE TREATMENT PLANT
AND LANDFILL

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ARC\ArcDocs\Figure6-4_Sewage Treatment Plant and Landfill.mxd mrb aao 12/07/2006

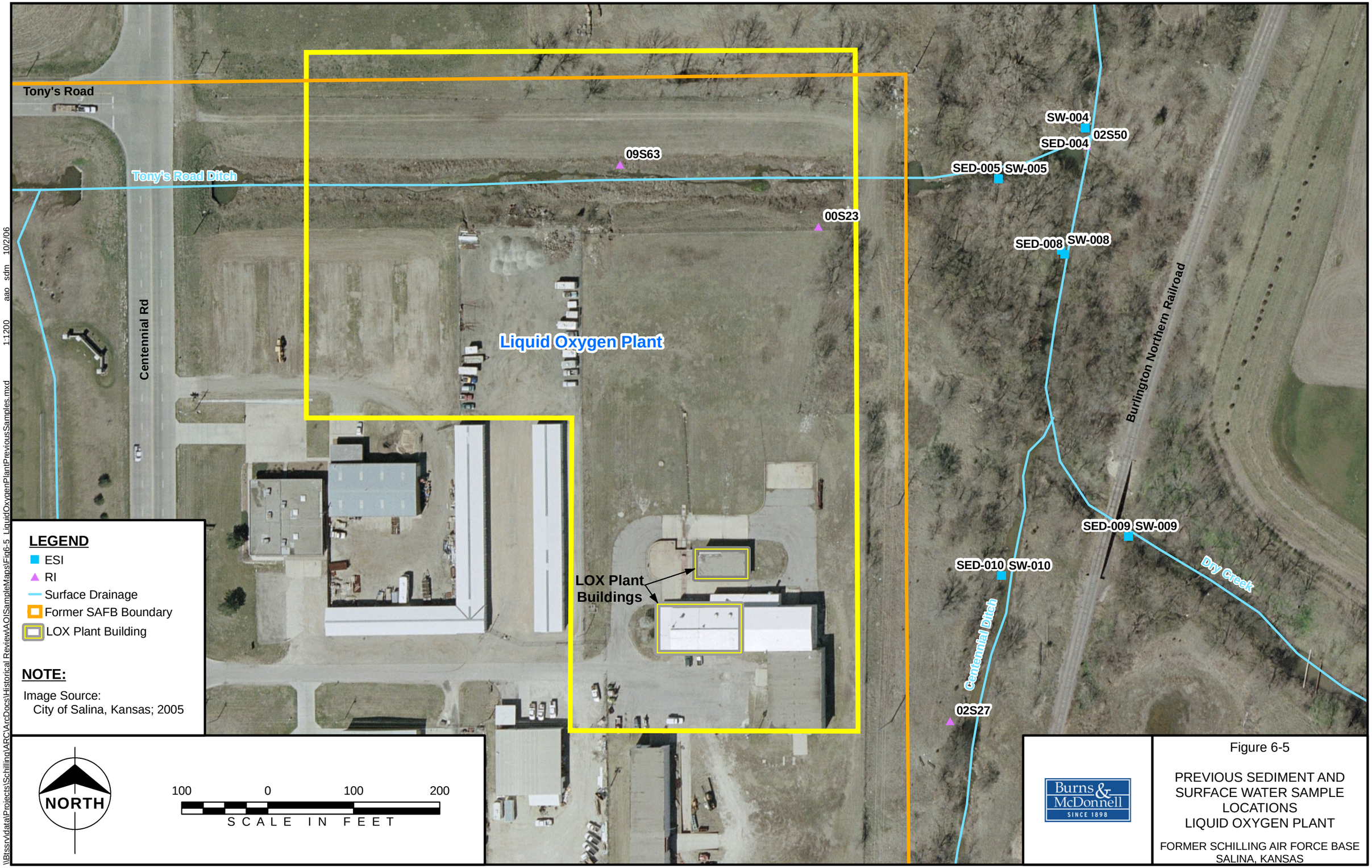


Figure 6-5

PREVIOUS SEDIMENT AND SURFACE WATER SAMPLE LOCATIONS
LIQUID OXYGEN PLANT

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\Btssrv\data\Projects\Schilling\ARC\ArcDocs\Historical Review\AOI\SampleMaps\Fig6-5_LiquidOxygenPlantPreviousSamples.mxd 1:1200 aao sdm 10/2/06

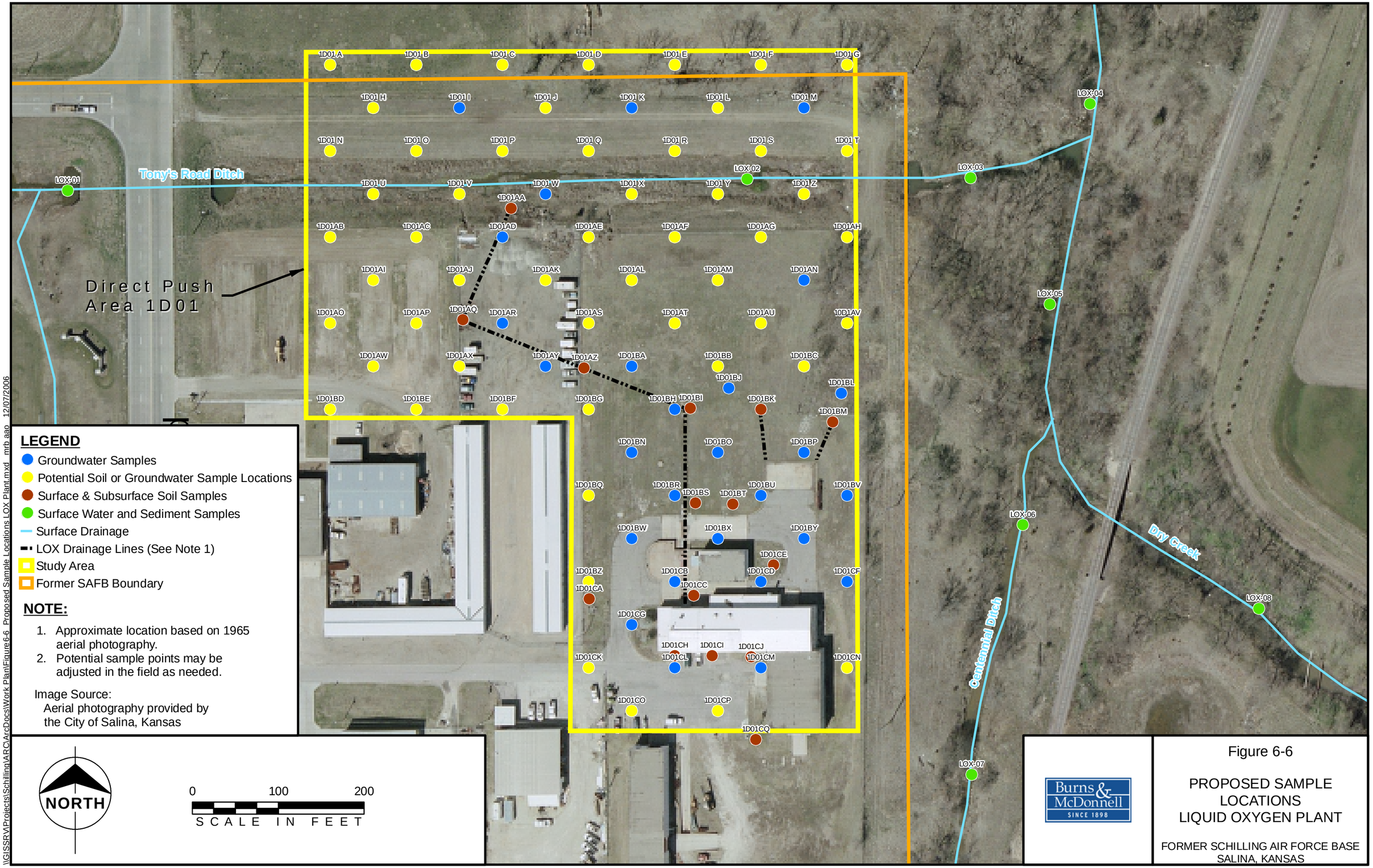


Figure 6-6

PROPOSED SAMPLE LOCATIONS
LIQUID OXYGEN PLANT

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ARC\ArcDocs\Work Plan\Figure6-6_Proposed Sample Locations LOX Plant.mxd mrb aao 12/07/2006

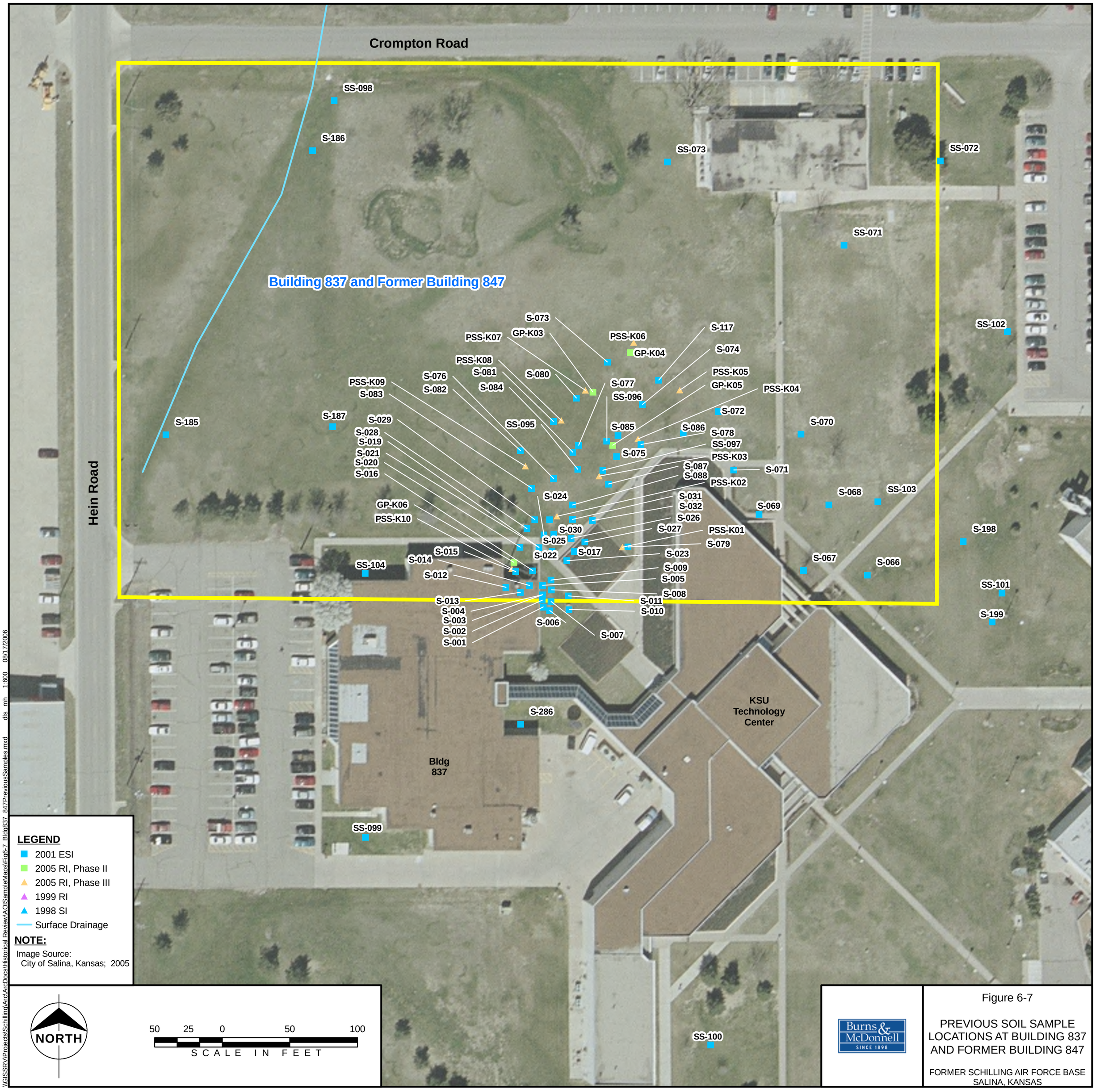


Figure 6-7

PREVIOUS SOIL SAMPLE LOCATIONS AT BUILDING 837 AND FORMER BUILDING 847

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-7_Bldg837_847PreviousSamples.mxd dls mh 1:600 08/17/2006

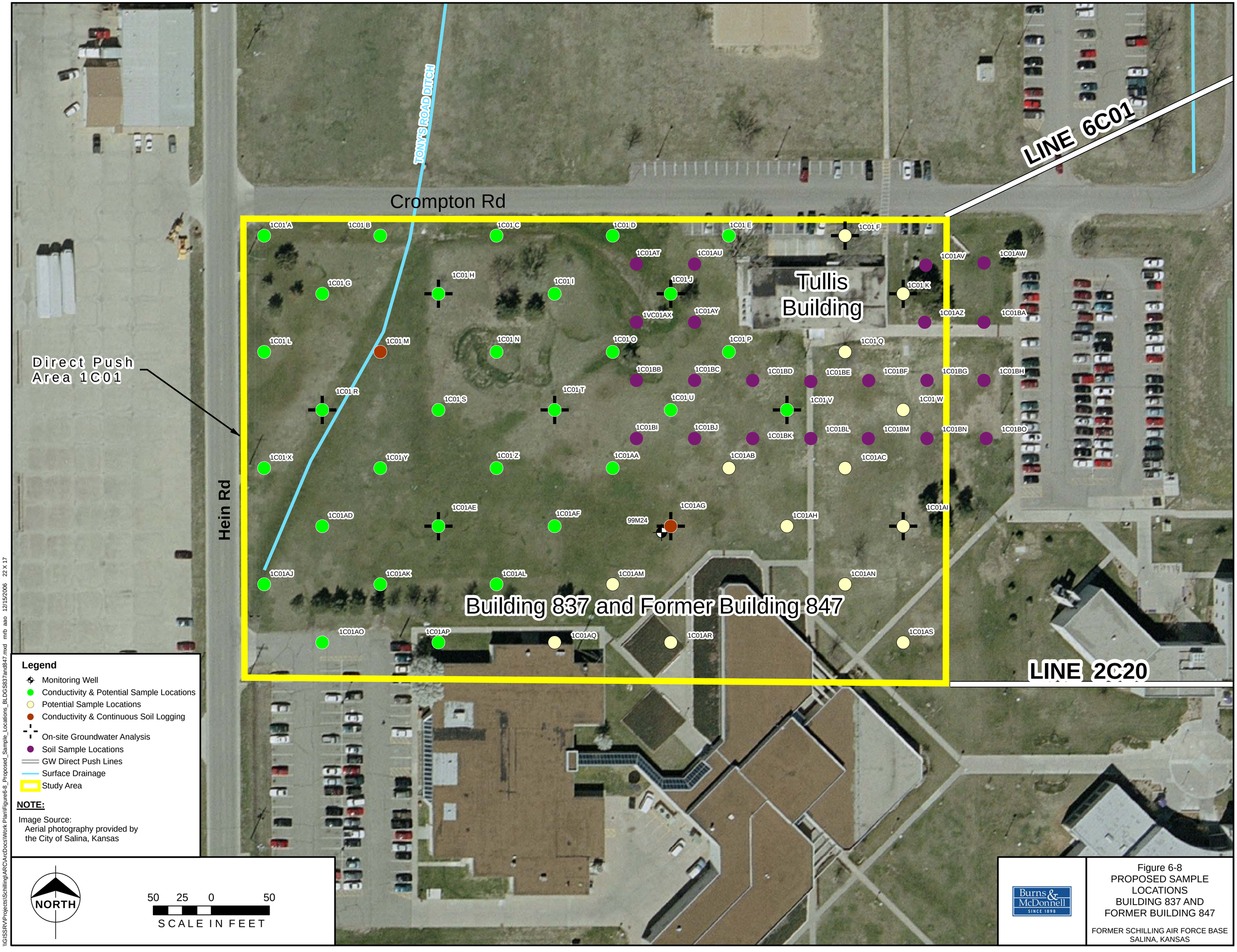


Figure 6-8
PROPOSED SAMPLE LOCATIONS
BUILDING 837 AND FORMER BUILDING 847

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ARC\ArcDocs\Work Plan\Figure6-8_Proposed_Sample_Locations_BLDGS837and847.mxd mrb aao 12/15/2006 22 X 17

OU1
Plume Area A
Plume Area B
Plume Area C
Plume Area D
Plume Area E
Former Sewage Treatment Plant
Burlington Northern R.R.
Tony's
Scanlan
Centennial
Hein
Low
Burchinal
Crompton
Hayes
Neeley
Beechcraft
Wells
Commerce Circle
Derussy
Lucas
Ganey
Ohlke
General Jim
Berschell
Magnolia
Meadowlark
Winona
Teakwood
Sycamore
Dover
Roberts
Ingram
Carlton
Talley
Kenny
Andrew
Yale
Page
Haskett
Harold
Smith
Willis
Garden
Tulane
Lena
Marvin
Mars
Neptune
Venus
Moon
Hageman
LEGEND
Former SAFB Boundary
Operable Unit 1 Boundary
TCE Isoconcentration Contours from Figure 57, 2005 RI
ESI Direct-Push Groundwater Sampling Location From 2001 USEPA ESI
FSADS Direct-Push Groundwater Sampling Location From 2003/2004 URS Investigation
RI Direct-Push Groundwater Sampling Location From 1999 B&McD RI
SI Direct-Push Groundwater Sampling Location From 1998 CENWK SI
SRI Direct-Push Groundwater Sampling Location From 1999 CENWK SRI
Abandoned Monitor Well
Monitor Well
Surface Drainage
860 Former SAFB Building Number
NORTH
Image Source:
City of Salina, Kansas; 2005
250 125 0 250 500
SCALE IN FEET
Burns & McDonnell
SINCE 1898
Figure 6-9
EXISTING GROUNDWATER MONITORING WELLS AND PREVIOUS GROUNDWATER DIRECT PUSH LOCATIONS
FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS
U:\Schilling\ARC\ArcDocs\Work Plan\Fig6-9_ExistingMW_DP_OU1.mxd mrb ago mlh 1:3000 12/08/2006

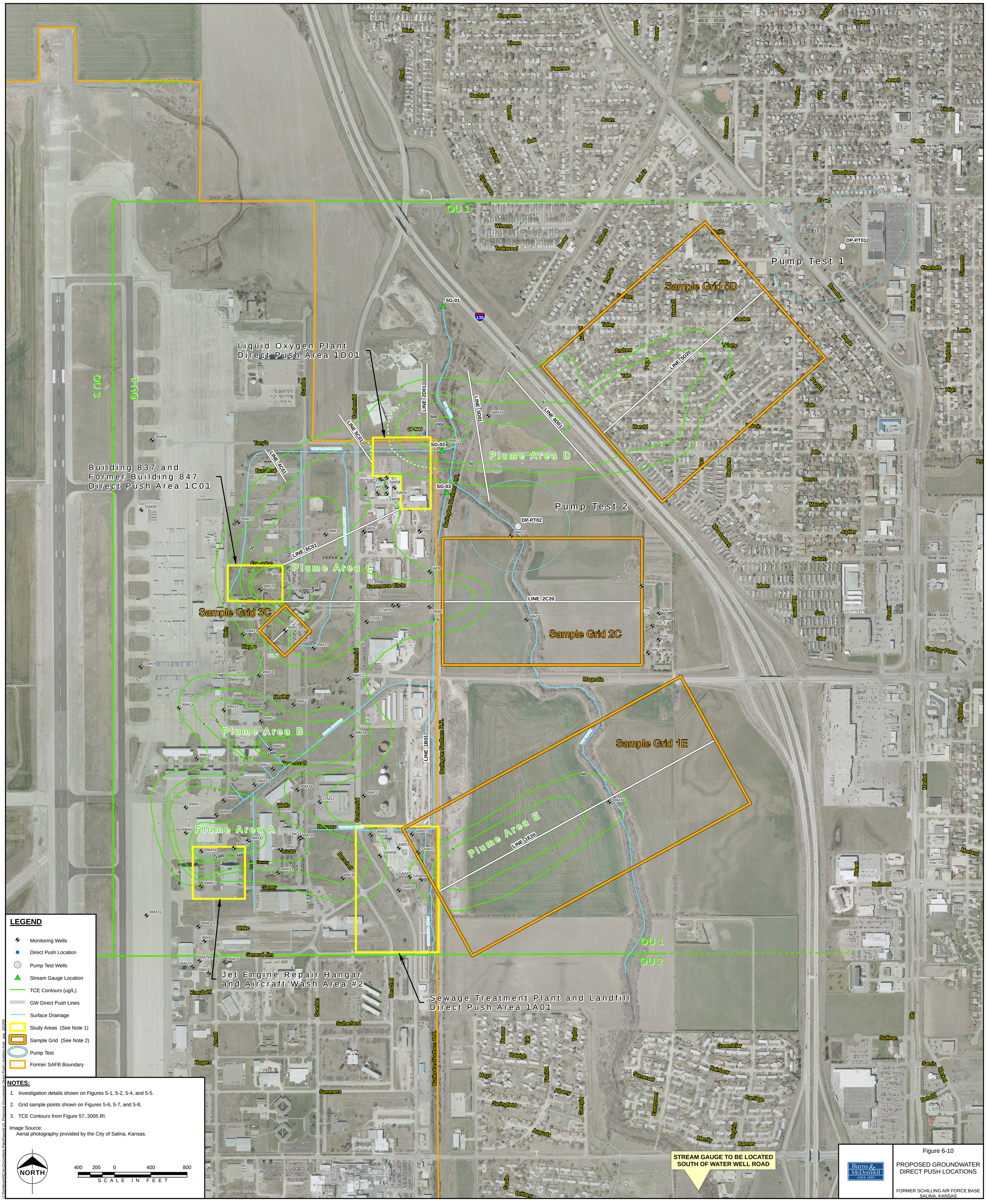
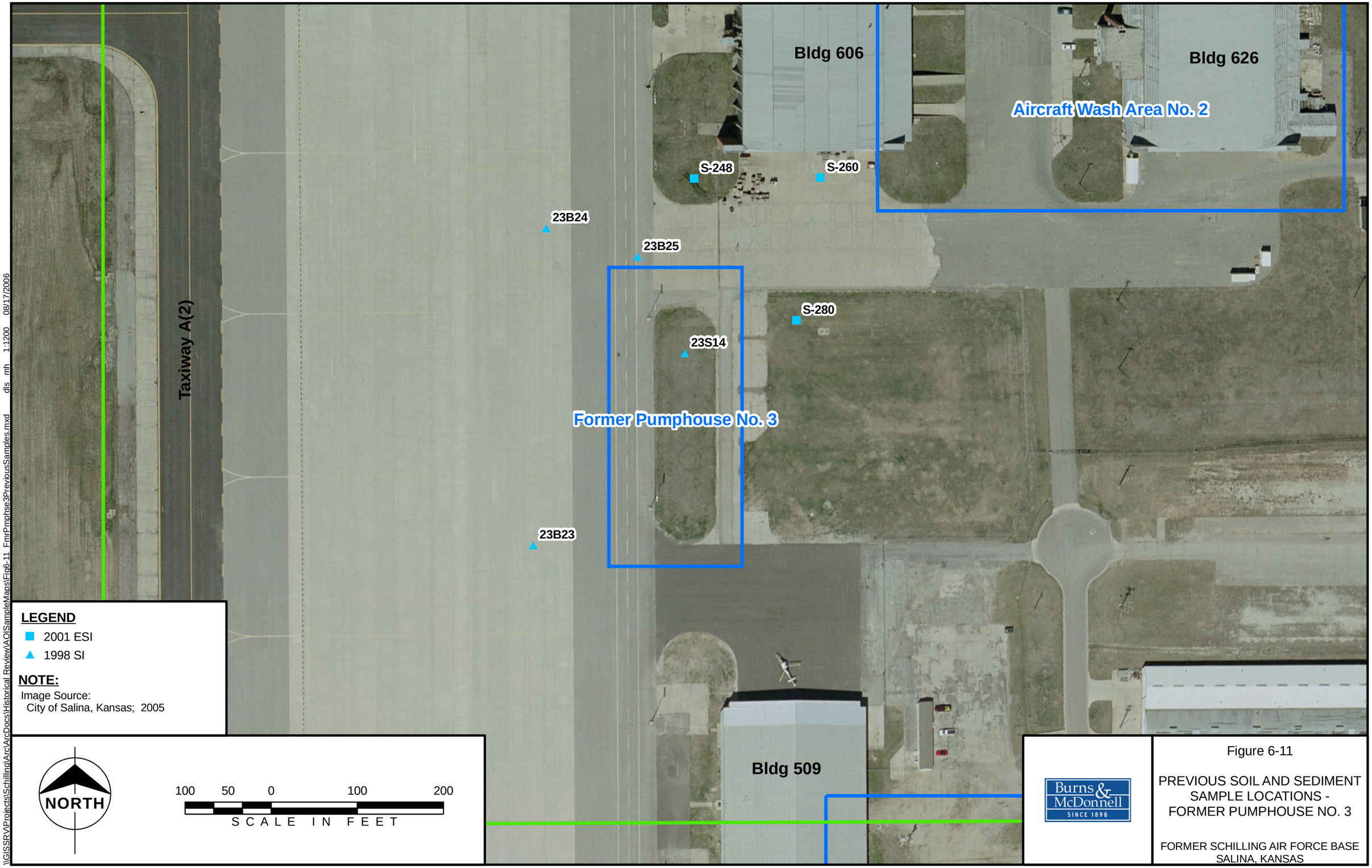


Figure 6-10

PROPOSED GROUNDWATER DIRECT PUSH LOCATIONS

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

U:\Schilling\ARC\ArcDocs\Work Plan\Figure6-10_Proposed Groundwater Direct Push Locations.mxd aap 10/2006



Burns & McDonnell
SINCE 1898

Figure 6-11

PREVIOUS SOIL AND SEDIMENT SAMPLE LOCATIONS - FORMER PUMPHOUSE NO. 3

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-11_FmrPmphse3PreviousSamples.mxd dls mh 1:1200 08/17/2006

Figure 6-12

PREVIOUS SOIL SAMPLE LOCATIONS
BUILDING 655

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\Btssrv\data\Projects\Schilling\ARC\ArcDocs\Historical Review\AOISampleMaps\Fig6-12_Building655PreviousSamples.mxd sdm 1:600 08/18/2006

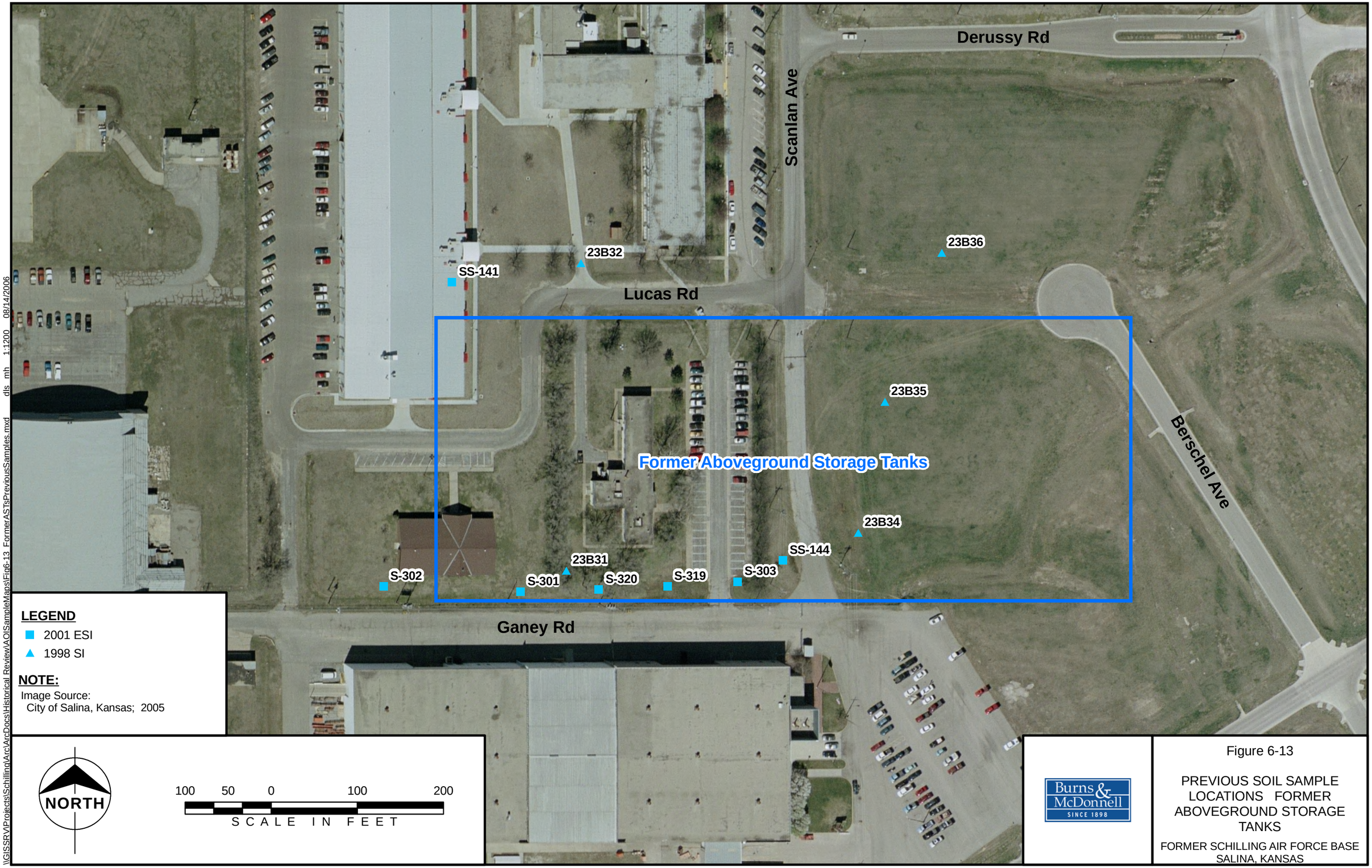


Figure 6-13

PREVIOUS SOIL SAMPLE LOCATIONS FORMER ABOVEGROUND STORAGE TANKS

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ArcArcDocs\Historical Review\AOISampleMaps\Fig6-13_FormerASTsPreviousSamples.mxd dls mh 1:1200 08/14/2006

LEGEND

- 2001 ESI
- 2005 RI, Phase II
- 2005 RI, Phase III
- 1999 RI
- 1998 SI

NOTE:

Image Source:
City of Salina, Kansas; 2005

NORTH

25 12.5 0 25 50
SCALE IN FEET

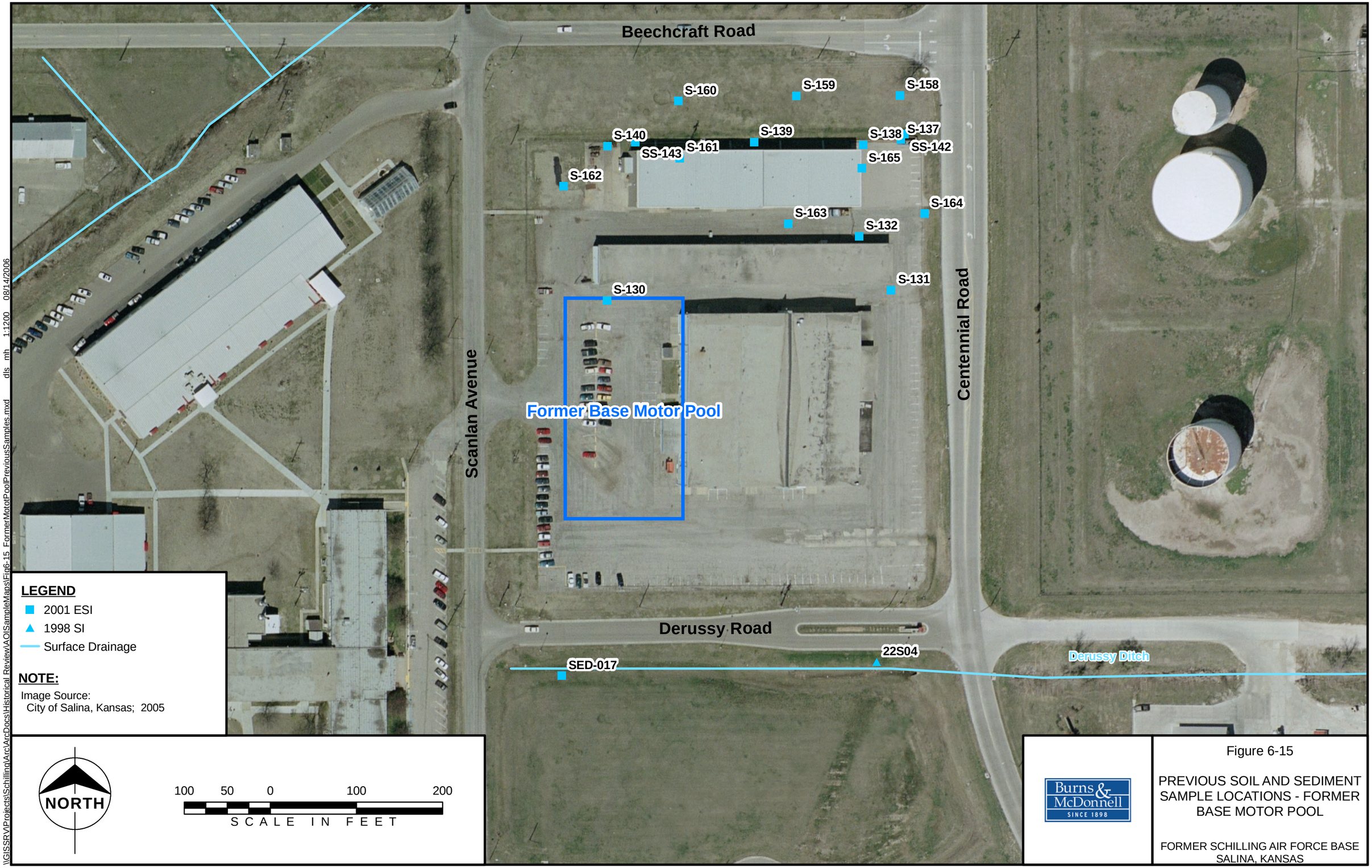
Burns & McDonnell
SINCE 1898

Figure 6-14

PREVIOUS SAMPLE LOCATIONS, AIRCRAFT WASH AREA NO. 1

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

V:\GIS\SV\Projects\Schilling\Arc\Apr\Docs\Historical Review\AOI\Sample\Maps\Fig6-14_AircraftWashAreas1PreviousSamples.mxd dfb mh 1:300 08/18/2006



Burns & McDonnell
SINCE 1898

Figure 6-15

PREVIOUS SOIL AND SEDIMENT SAMPLE LOCATIONS - FORMER BASE MOTOR POOL

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOI\SampleMaps\Fig6-15_FormerMotorPoolPreviousSamples.mxd dls mh 1:1200 08/14/2006

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-16_ASTAreaAndSuspectTankSludge.mxd ao mh 1:2400 10/2/2006

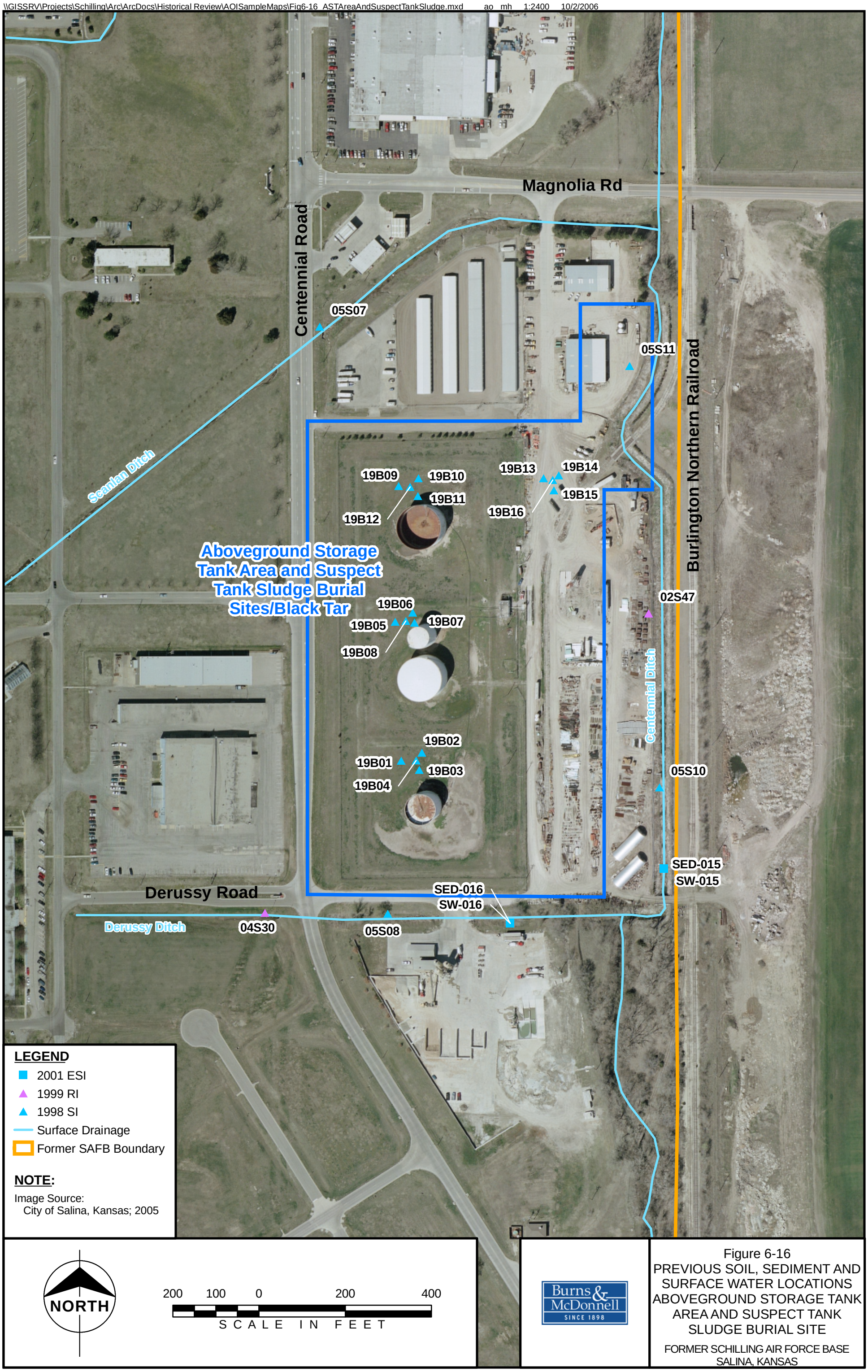


Figure 6-16
PREVIOUS SOIL, SEDIMENT AND SURFACE WATER LOCATIONS ABOVEGROUND STORAGE TANK AREA AND SUSPECT TANK SLUDGE BURIAL SITE

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

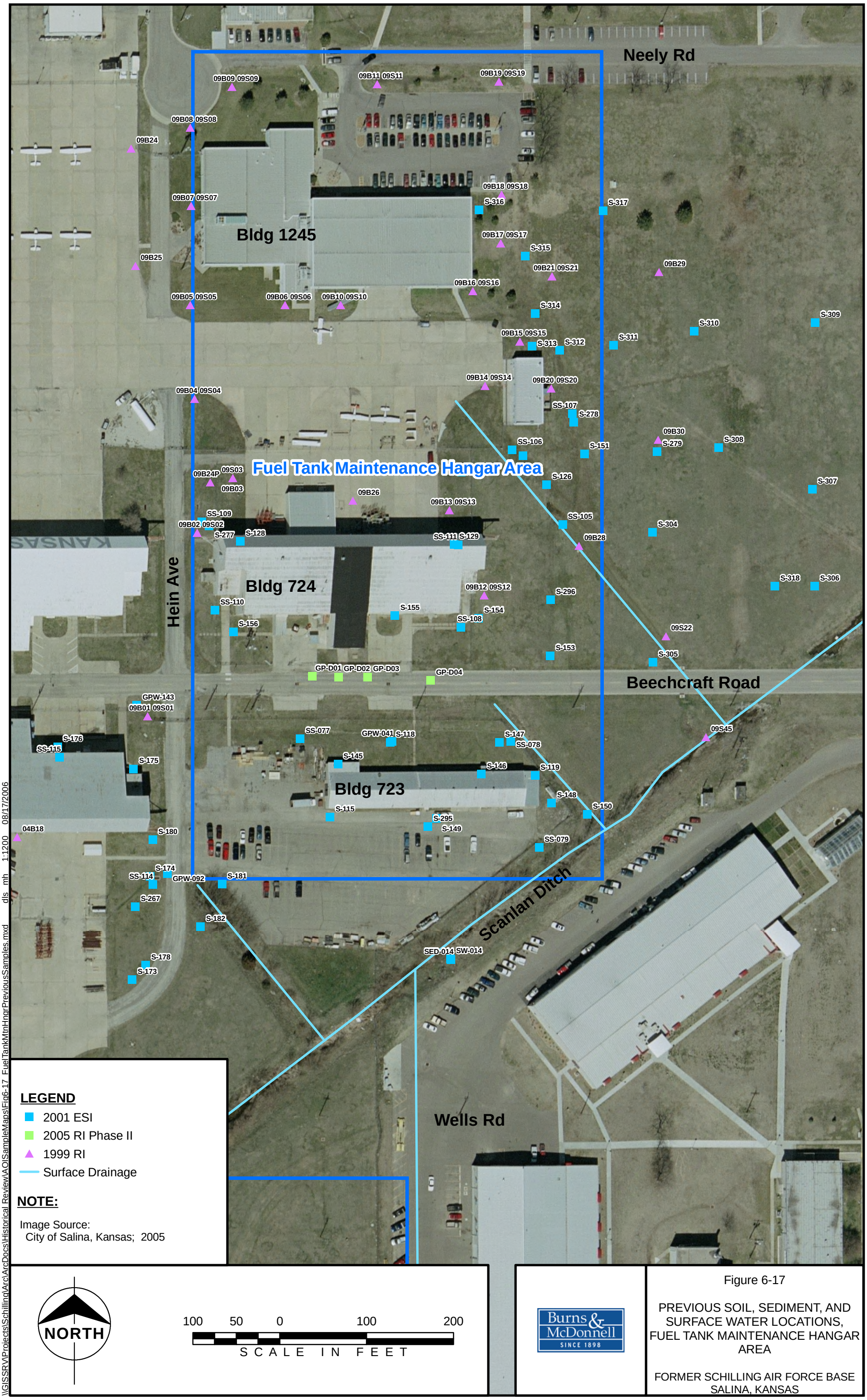


Figure 6-17

PREVIOUS SOIL, SEDIMENT, AND SURFACE WATER LOCATIONS, FUEL TANK MAINTENANCE HANGAR AREA

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-17_FuelTankMtnHngrPreviousSamples.mxd dls mh 1:1200 08/17/2006

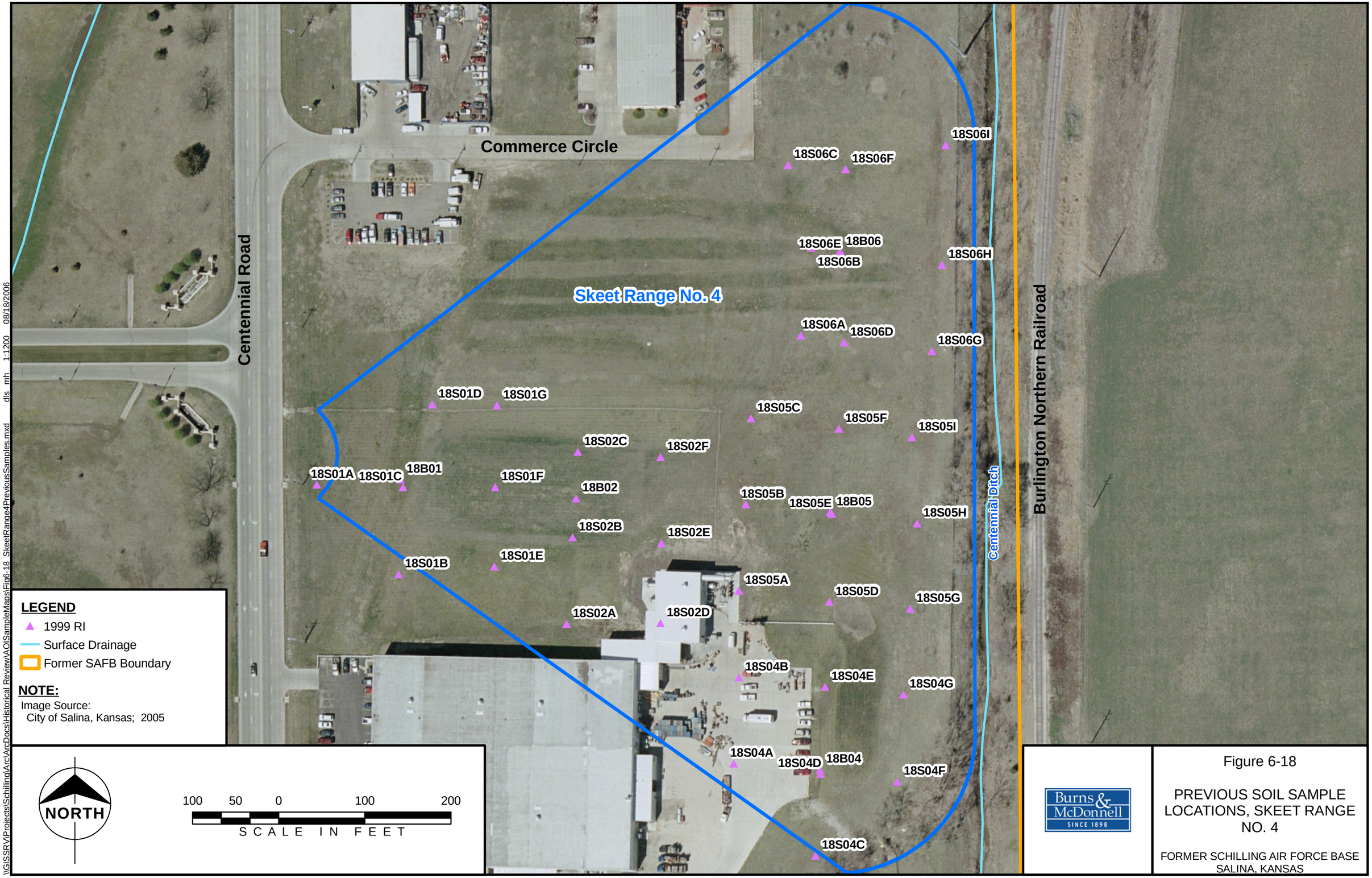


Figure 6-18

PREVIOUS SOIL SAMPLE LOCATIONS, SKEET RANGE NO. 4

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\ArcArcDocs\Historical Review\AOISampleMaps\Fig6-18_SkeetRange4PreviousSamples.mxd dls mh 1:1200 08/18/2006

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-19_Landfill2PreviousSamples.mxd dls mh 1:1200 08/18/2006

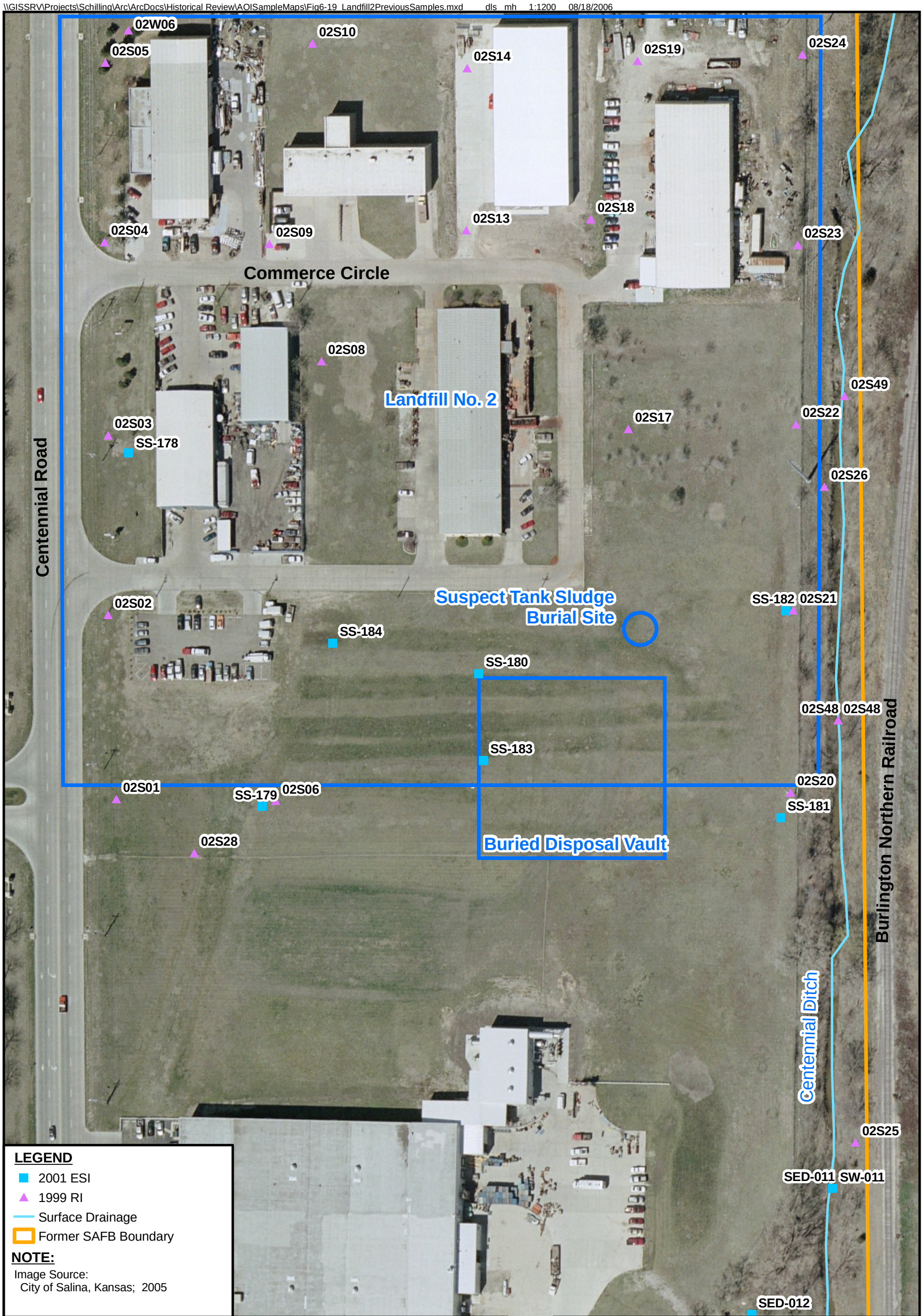
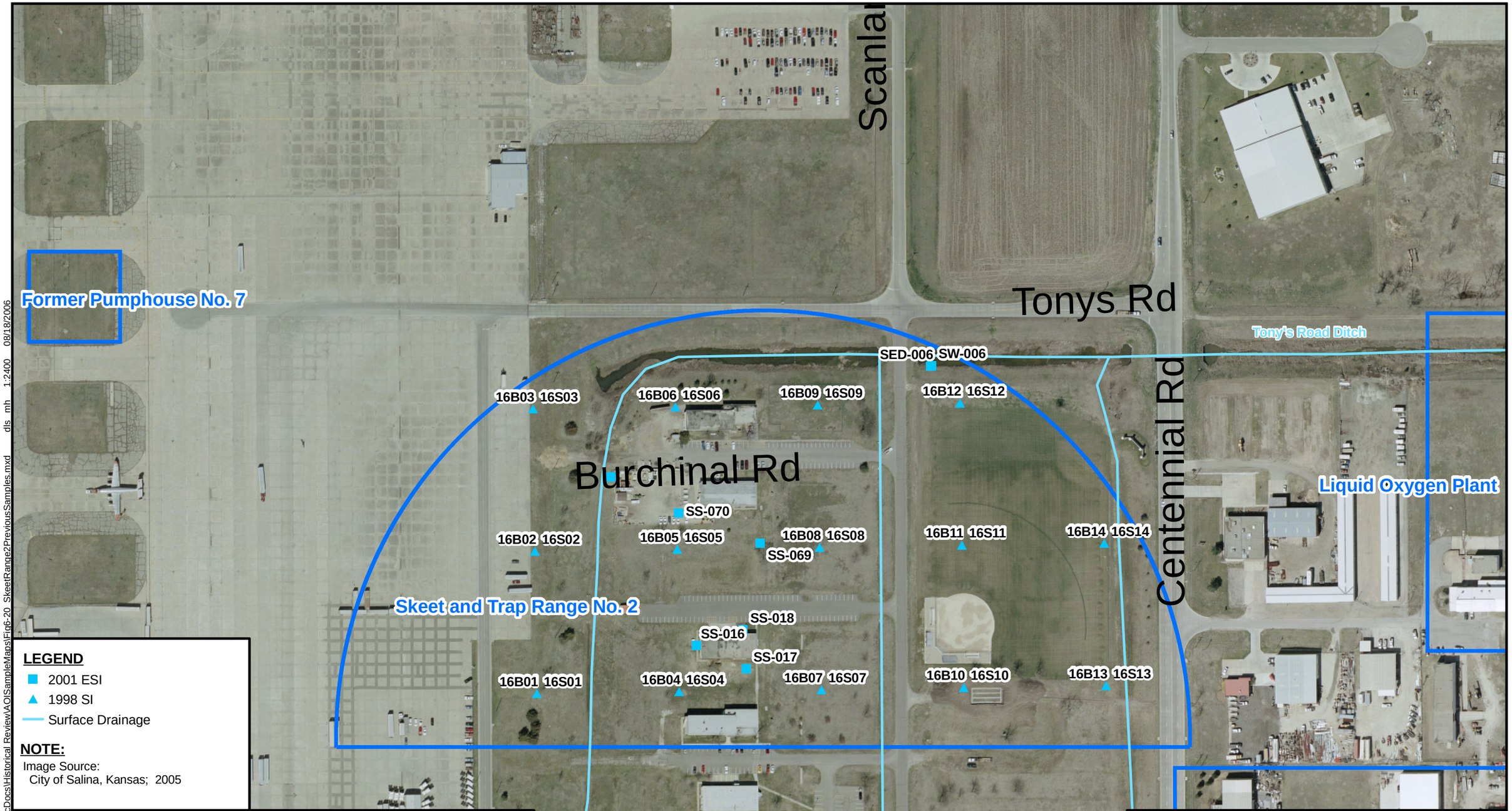


Figure 6-19

PREVIOUS SAMPLE LOCATIONS LANDFILL NO. 2, SUSPECT TANK SLUDGE BURIAL SITE, AND BURIED DISPOSAL VAULT

FORMER SCHILLING AIR FORCE BASE SALINA, KANSAS



LEGEND

- 2001 ESI
- 1998 SI
- Surface Drainage

NOTE:

Image Source:
City of Salina, Kansas; 2005

NORTH

200 100 0 200 400

SCALE IN FEET

Burns & McDonnell SINCE 1898

Figure 6-20

PREVIOUS SOIL, SEDIMENT, AND SURFACE WATER SAMPLE LOCATIONS, SKEET AND TRAP RANGE NO. 2

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-20_SkeetRange2PreviousSamples.mxd dls mh 1:2400 08/18/2006

Burns & McDonnell SINCE 1898

Figure 6-21

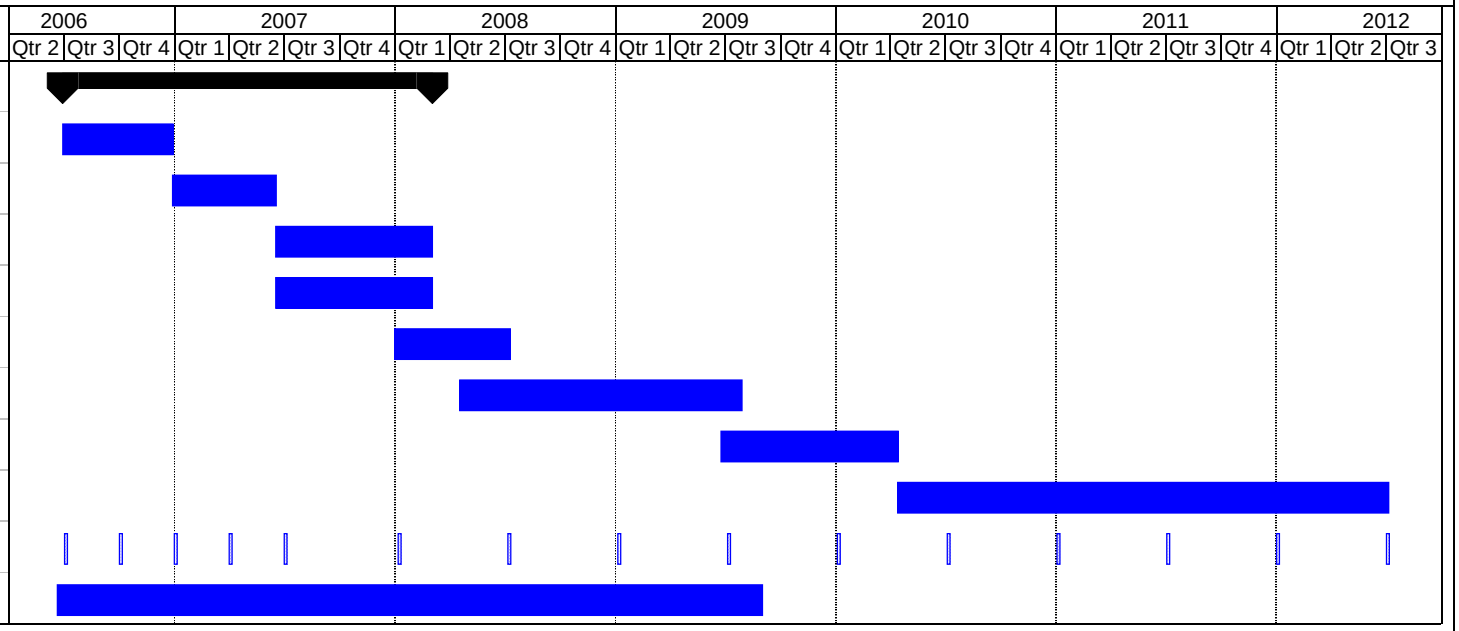
PREVIOUS SOIL SAMPLE LOCATIONS, FORMER PUMPHOUSES NOs. 4, 5, 6 AND 7

FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

\\GISSRV\Projects\Schilling\Arc\ArcDocs\Historical Review\AOISampleMaps\Fig6-21_FormerPumphousesPreviousSamples.mxd dls mh 1:2400 08/13/2006

Figure 7-1
OU 1 Schedule
Former Schilling Air Force Base
Salina, Kansas

ID	Task Name
1	**Remedial Investigation (RI)**
2	RI Addendum Work Plan
3	RI Addendum Field Work
4	RI Report Addendum
5	BLRA Addendum
6	Feasibility Study
7	Decision Document
8	Remedial Design
9	Remedial Action
10	**Groundwater Monitoring**
26	Interim Remedial Action



Authority / Lead Organization:
U.S. Army Corps of Engineers –
Kansas City District
Project Manager: Robyn Kiefer
(816-389-3615)

Regulatory Review and Concurrence:
Kansas Department of Health & Environment
Jim Anstaett (785-291-3294)
United States Environmental Protection Agency
Ken Rapplean (913-551-7769)

Primary Contractor:
Malcolm Pirnie, Inc.
Role: Program Management and Quality Control
Program Manager: John Logigian
(914-641-2690)

Primary Contractor:
Chemical Quality Assurance Branch Laboratory –
Omaha, Nebraska
Role: Quality Assurance Sample Preparation and Analysis
Project Contact: Laura Percifield
(402-444-4313)

Investigative Organization:
Burns & McDonnell Engineering Company, Inc.
Role: Document Preparation, Sample Collection, and Data Reporting
Project Manager: Tracy Cooley (816-822-3369)
Technical Lead: Ed Lindgren (816-822-3595)
QC Coordinator: Sharon Shelton (816-822-3168)
Project Geologist: Martha Hildebrandt (816-822-3891)
Project Hydrogeologist: Tom Zychinski (636-305-0077)
Project Chemist: Shauna Lawrence (816-822-3940)
Project Safety and Health Manager: Eric Wenger (816-822-3894)
Malcolm Pirnie, Inc.
Role: Risk Assessment
Project Risk Assessor: Richard Califano (201-398-4307)

Investigative Organization QA Officer:
Burns & McDonnell Engineering Company, Inc.
Colm Chomicky
(816-822-3889)

Subcontractors:
Analytical Management Laboratories, Inc
Role: Sample Preparation and Analysis
Project Contact: Dr. Tenasi Viswanathan (913-829-0101)

GeoCore Services, Inc
Role: Drilling and Monitoring Well Installation
Project Contact: Dale Robl (785-826-1616)

Environmental Priority Service, Inc.
Role: Direct Push and On-Site Analysis
Project Contact: Pat Martin (785-823-6205)

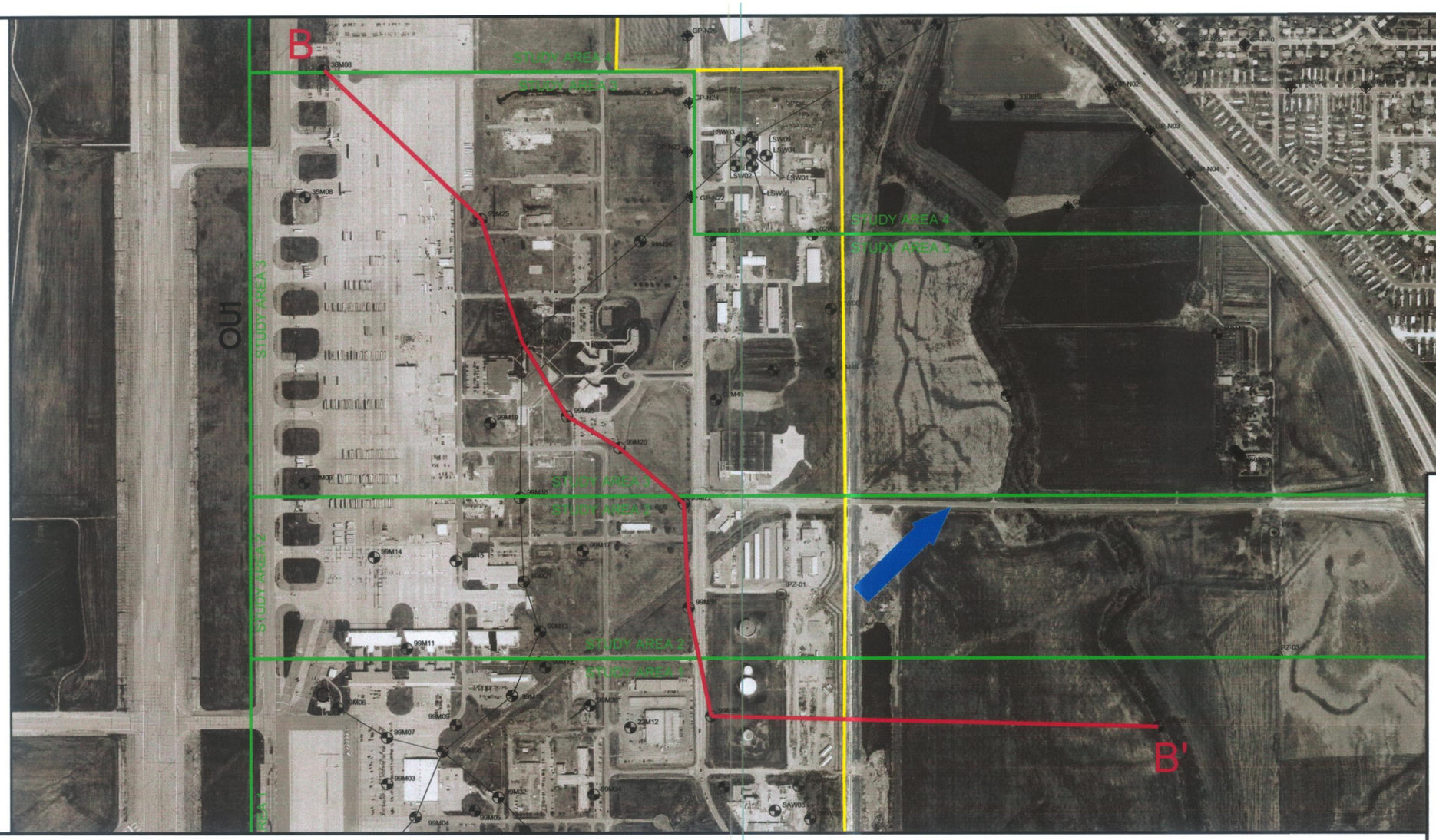
Carlson-Baughman
Role: Surveyor
Project Contact: Mark Carlson (785-628-3219)

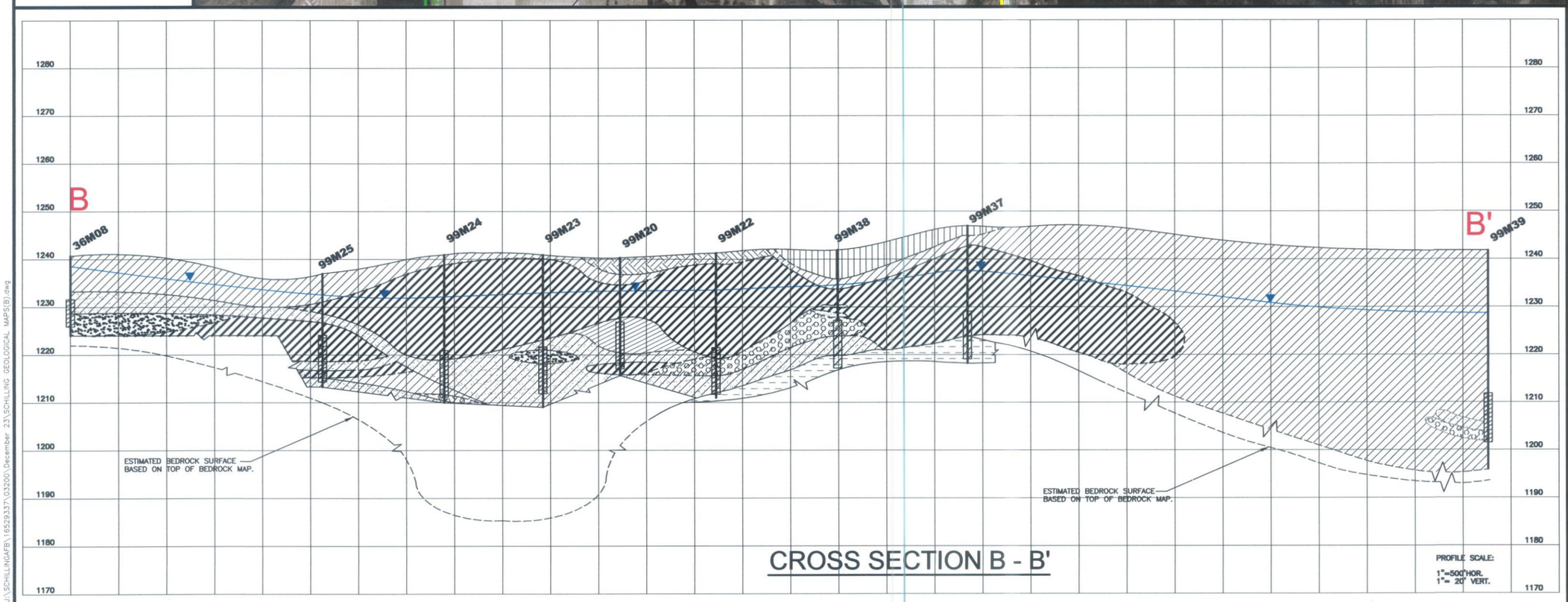
Burns & McDonnell
SINCE 1898

Figure 8-1
PROJECT ORGANIZATIONAL CHART
FORMER SCHILLING AIR FORCE BASE
SALINA, KANSAS

K:\ENV\MALCOLM PIRNIE INC\Site\42244\Deliver\OU1 RI Plans\Work Plan\Pre-Draft\Figures\Figure 8-1.vsd

Appendix A-
Geologic Cross Sections
2005 RI





CROSS SECTION B - B'

N

300 0 300 600

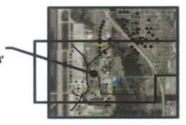
PLAN SCALE IN FEET

LEGEND

- GP-N01 — URS 2003/2004 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
- 02M45 — GROUNDWATER MONITORING WELL LOCATION
- PZ-01 — PIEZOMETER LOCATION
- 60321 — SAMPLED PRIVATE WELL LOCATION
- GENERAL GROUNDWATER FLOW DIRECTION
- STUDY AREA BOUNDARY
- FORMER SAFB BOUNDARY

MAP KEY:

CROSS SECTION B-B'



- WATER LEVEL ELEVATION

ALLUVIUM

- CH - FAT CLAY
- CL - LEAN CLAY
- F - FILL
- GC - CLAYEY GRAVEL
- ML - LEAN SILT
- SC - CLAYEY SAND
- SH - SHALE
- SP - POORLY GRADED SAND
- SW - WELL-GRADED SAND

NOTES:

1. WATER LEVEL ELEVATIONS BASED ON WATER LEVELS MEASURED IN APRIL 2004.

URS Group Inc.
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Overland Park, Kansas 66211

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
KANSAS CITY, MISSOURI

U.S. Army Corps of Engineers

OPERABLE UNIT 1
REMEDIAL INVESTIGATION REPORT
FORMER SCHILLING AFB, SALINA, KS

OU1 GEOLOGIC
CROSS SECTION B - B'

Designed by: R.J.E.	Scale: 1" = 600'	Sheet number: 24	
Drawn by: M.M.E.	Date: AUGUST 2005		
Checked by: C.R.Y.	Dwg. No.:		
Submitted by: USACE			

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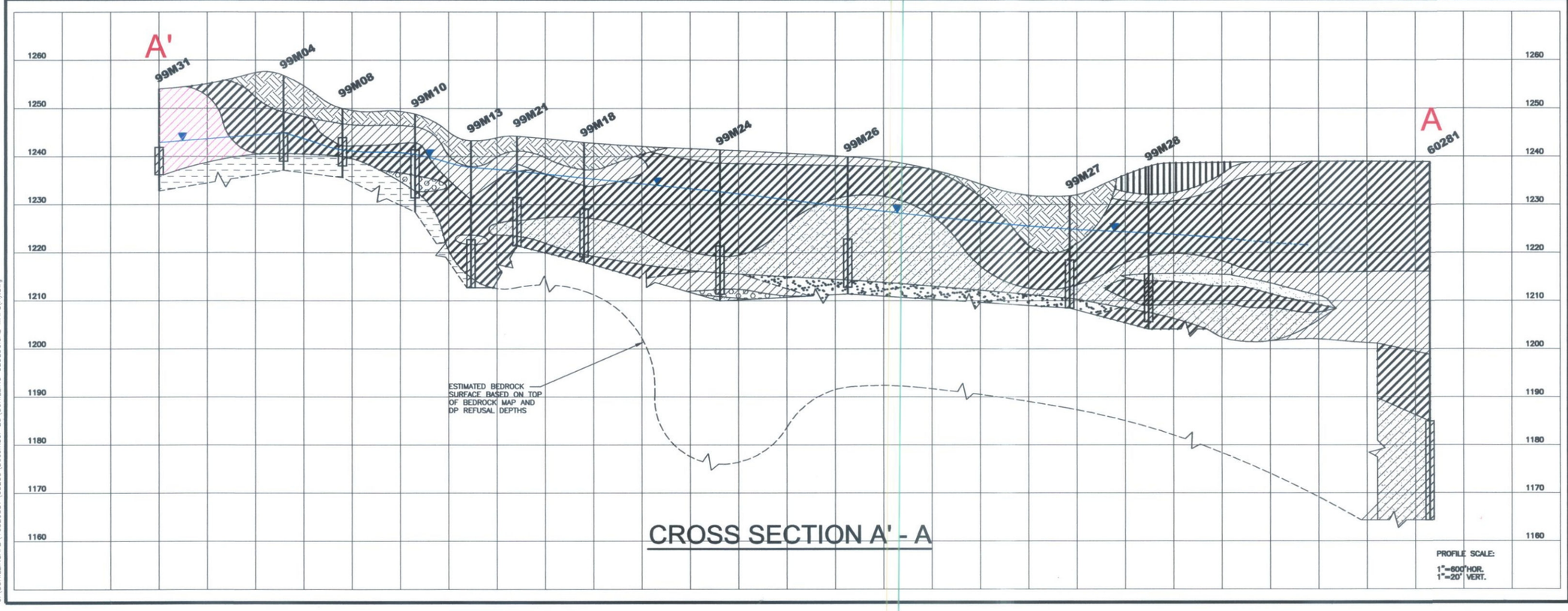

CROSS SECTION A' - A

N

300 0 300 600

PLAN SCALE IN FEET

LEGEND

- GP-N01 — URS 2003/2004 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
- 02M45 — GROUNDWATER MONITORING WELL LOCATION
- PZ-01 — PIEZOMETER LOCATION
- 60321 — SAMPLED PRIVATE WELL LOCATION
- GENERAL GROUNDWATER FLOW DIRECTION
- STUDY AREA BOUNDARY
- FORMER SAFB BOUNDARY

MAP KEY:

CROSS SECTION A-A'

- GROUND WATER LEVEL ELEVATION

ALLUVIUM

- CH - FAT CLAY
- CL - LEAN CLAY
- F - FILL
- GC - CLAYEY GRAVEL
- GM - SILTY GRAVEL
- ML - LEAN SILT
- SC - CLAYEY SAND
- SH - SHALE
- SP - POORLY GRADED SAND
- SW - WELL-GRADED SAND

RESIDUAL

- CH - FAT CLAY

NOTES:

1. WATER LEVEL ELEVATIONS BASED ON WATER LEVELS MEASURED IN APRIL 2004.
2. GROUND SURFACE ELEVATION OF 60281 BASED ON TOPOGRAPHIC INTERPRETATION AND NEARBY SURVEYED DIRECT-PUSH GROUNDWATER SAMPLING LOCATIONS GP-N16 AND GP-N17.

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OPERABLE UNIT 1
REMEDIAL INVESTIGATION REPORT
FORMER SCHILLING AFB, SALINA, KS

OU1 GEOLOGIC
CROSS SECTION A - A'

Designed by: R.J.E.	Scale: 1" = 600'	Sheet number: 23	
Drawn by: M.M.E.	Date: AUGUST 2005		
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Submitted by: USACE			

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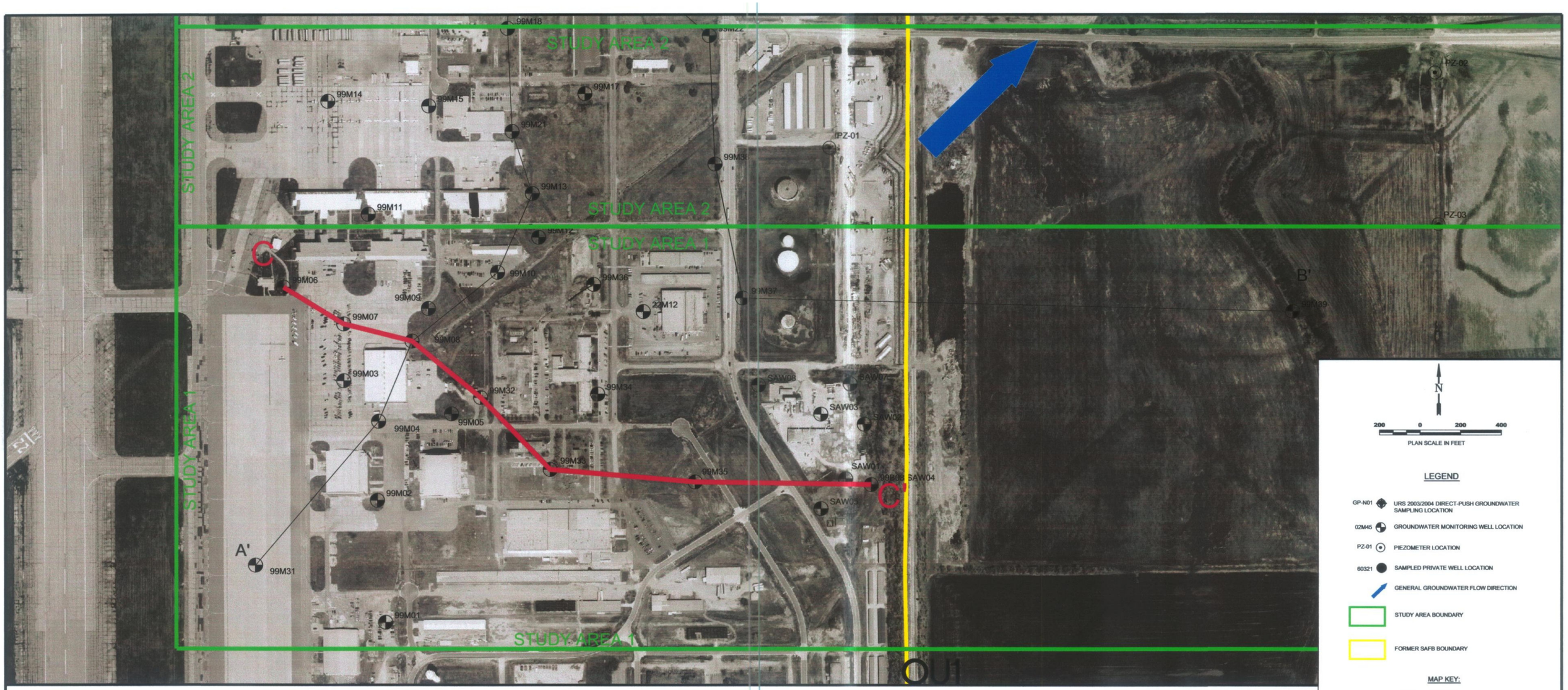
STUDY AREA 2
STUDY AREA 1
99M18
99M22
99M14
99M15
99M17
99M21
PZ-01
99M31
99M13
99M11
99M12
99M10
99M36
99M37
99M09
22M12
99M07
99M08
99M03
99M32
99M34
99M05
99M04
99M33
99M35
99M02
99M01
SAW08
SAW07
SAW03
SAW02
SAW01
99B08
SAW04
SAW05
PZ-02
PZ-03
99M39
A'
B'
C
C'
OU1
N
200 0 200 400
PLAN SCALE IN FEET
LEGEND
GP-N01 URS 2003/2004 DIRECT-PUSH GROUNDWATER SAMPLING LOCATION
02M45 GROUNDWATER MONITORING WELL LOCATION
PZ-01 PIEZOMETER LOCATION
60321 SAMPLED PRIVATE WELL LOCATION
GENERAL GROUNDWATER FLOW DIRECTION
STUDY AREA BOUNDARY
FORMER SAFB BOUNDARY
MAP KEY:
CROSS SECTION C-C'
WATER LEVEL ELEVATION
ALLUVIUM
CH - FAT CLAY
CL - LEAN CLAY
F - FILL
GC - CLAYEY GRAVEL
ML - LEAN SILT
SC - CLAYEY SAND
SH - SHALE
SP - POORLY GRADED SAND
SW - WELL-GRADED SAND
RESIDUAL
CH - FAT CLAY
CL - LEAN CLAY
NOTES:
1. WATER LEVEL ELEVATIONS BASED ON WATER LEVELS MEASURED IN APRIL 2004.
2. WATER LEVEL OF 99B08 BASED ON NEARBY MONITORING WELL SAW04
1280
1270
1260
1250
1240
1230
1220
1210
1200
1190
1180
1170
C
99M06
99M07
99M08
99M32
99M33
99M35
C'
99B08
CROSS SECTION C - C'
PROFILE SCALE:
1"=200'HDR.
1"= 20' VERT.
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Overland Park, Kansas 66211
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Scale: 1" = 400'
Date: AUGUST 2005
Sheet number: 25
Dwg. No.: