Final

Human Health and Ecological Screening Values and PAH Background Summary Report

Fort McClellan
Calhoun County, Alabama

Prepared for:

U.S. Army Corps of Engineers, Mobile District
109 St. Joseph Street
Mobile, Alabama 36602

Prepared by:

IT Corporation
312 Directors Drive
Knoxville, Tennessee 37923

Task Order CK05
Contract No. DACA21-96-D-0018
IT Project No. 774645

July 2000

Revision 0

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List of Acronyms

ABS	dermal absorption factor
ADEM	Alabama Department of Environmental Management
AF	adherence factor
AT	averaging time
BCF	bioconcentration factor
BSAF	biota-to-sediment accumulation factor
BW	body weight
cm^2	square centimeter
DM	dry matter
ED	exposure duration
EF	exposure frequency
EPA	U.S. Environmental Protection Agency
ET	exposure time
FI	fraction of exposure
FTMC	Fort McClellan
g/day	grams per day
GAF	gastrointestinal absorption factor
HEAST	Health Effects Assessment Summary Tables
IRIS	Integrated Risk Information Systems
kg	kilogram
L/day	liters per day
$\mu g/m^3$	micrograms per cubic meter
m^3	cubic meter
MDL	method detection limit
mg/day	milligrams per day
NCEA	National Center for Environmental Assessment
NCRP	National Council on Radiation Protection and Measurements
PC	permeability coefficient
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxins
PCDF	polychlorinated dibenzofurans
PEF	particulate emission factor

List of Acronyms *(Continued)*

RME	reasonable maximum exposure
SA	exposed skin surface area
SSSL	site-specific screening level
SVOC	semivolatile organic compound
UCL	upper confidence limit
VOC	volatile organic compound

1.0 Introduction

IT Corporation (IT) has produced this report to present the risk-based screening levels and background screening levels and discuss how these values were derived. IT currently uses these screening levels for comparison to the field sample results derived from the ongoing site investigations that are being conducted in association with Base Realignment and Closure (BRAC) activities at Fort McClellan (FTMC), Calhoun County, Alabama.

This report represents a compilation of material from risk assessment activities and background sampling surveys conducted at FTMC and is organized as follows:

- Chapter 1.0 – Introduction
- Chapter 2.0 - Human Health Site-Specific Screening Levels
- Chapter 3.0 - Ecological Screening Values
- Chapter 4.0 - Polynuclear Aromatic Hydrocarbon (PAH) Background Screening Levels
- Chapter 5.0 - Background Metals Survey
- Chapter 6.0 - References.

Within each chapter, specific tables and appendices are referenced to provide either the actual screening values or provide the backup information that describes how the screening levels were derived. Because many of the tables included in this document contain a large amount of information and are very lengthy, the tables are included within a tabbed section at the end of each chapter.

2.0 Human Health Site-Specific Screening Levels

2.1 Streamlined Risk Assessment

Due to the size and complexity of the FTMC installation, a streamlined approach to risk evaluation utilizing site-specific screening levels (SSSL) was developed (IT, 1998). The SSSLs are medium- and receptor-specific risk-based concentrations that are used to quickly and efficiently screen a site. They address all significant exposure pathways and are sufficiently site-specific that they can be used to estimate risk with as much precision as a typical baseline risk assessment.

SSSLs were calculated for all chemicals that may be analyzed at FTMC and all potential current and future land-use receptor scenarios and exposure pathways. This chapter presents the receptor scenarios, potential exposure pathways, SSSL calculation equations, receptor scenario variable values, toxicological and chemical-specific values, SSSLs, toxicological profiles, and sample SSSL calculation.

General Procedures and Assumptions. Once the conceptual site exposure model has been completed for a site and all data collected and analyzed from the site following the work plan, the analytical data (by medium) are screened against the appropriate SSSLs for those receptor scenario(s) selected for that site. If the initial screening against the SSSLs indicates that a chemical concentration is above the SSSL, a more detailed risk evaluation is completed (IT, 1998). The SSSLs provide a rapid assessment for the numerous sites at FTMC.

Most risk assessments are based on a reasonable maximum exposure (RME) assumption. The intent of the RME assumption is to estimate the highest exposure level that could reasonably be expected to occur, but not necessarily the worst possible case (U.S. Environmental Protection Agency [EPA], 1989; EPA, 1991a). In keeping with EPA (1991a) guidance, variables chosen for the RME scenario for contact or intake rate, exposure frequency (EF), and exposure duration (ED) are generally upperbounds. Other variables (e.g., body weight [BW] and exposed skin surface area [SA]) are generally central or average values. In the case of contact rates consisting of multiple components (e.g., dermal contact with soil or water, which consists of a dermal absorption factor (ABS) and soil-to-skin adherence factor (AF) for soil, and permeability coefficient (PC) and exposure time (ET) for water) only one variable, ABS, or PC, needs to be an upperbound. The conservatism built into the individual variables ensures that the entire estimate for contact rate is more than sufficiently conservative. Recently, EPA (1998) reviewed an

analysis of several studies that evaluated dermal exposure to soil (EPA, 1997a) to estimate reasonable central values for SA and AF.

The receptor scenarios described in the following sections assume that 100 percent of a receptor's ET is spent in contact with contaminated media at the site. For example, it is assumed that the groundskeeper spends 8 hours per day, 250 days per year exposed to contaminated surface soil on a given site. This assumption may be overly conservative for some sites, such as a small site for which a full-time groundskeeper would not be required. For these situations, a fraction of exposure (FI) is provided in the chemical intake models to adjust for the fraction of time a receptor could plausibly be expected to spend in contact with the contaminated medium on the site. The default value for FI is 1, unless site-specific data permit justification of a lower value. In this manner, the generic SSSLs can be adjusted to site-specific conditions.

The averaging time (AT) for the noncancer evaluation is computed as the product of ED (years) times 365 days per year, to estimate an average daily dose over the entire exposure period (EPA, 1989). For cancer evaluations, the AT is computed as the product of 70 years (the assumed human lifetime) times 365 days per year, to estimate an average daily dose prorated over a lifetime, regardless of the frequency or duration of exposure. This methodology assumes that the risk from short-term exposure to a high dose of a given carcinogen is equivalent to long-term exposure to a correspondingly lower dose, provided that the total lifetime doses are equivalent. This approach is consistent with current EPA (1986a) policy of carcinogen evaluation, although it introduces considerable uncertainty into the cancer evaluation.

2.2 Receptor Scenarios and Exposure Pathways

Receptor scenarios, selected to represent all potentially exposed groups of people at any of the sites at FTMC, and the pathways by which they may be exposed to chemicals, are discussed in detail below and are presented in Table 2-1.

Resident. EPA Region 4 generally evaluates residential cancer risk by adding the cancer risk for a child with the cancer risk for an adult. This approach combines the conservatism provided by the larger soil and drinking water ingestion rates for the child (when expressed as a rate per unit body weight) with the greater exposure duration of the adult. The Region 4 approach cannot be duplicated exactly in the SSSL development (i.e., it is not appropriate to derive separate SSSLs for adult and child residential receptors) because the smaller (more restrictive) of the two (the child for soil ingestion, the adult for drinking water ingestion) may not provide sufficient conservatism for a full residential (child + adult = 30 years) exposure duration. These

conservatisms, however, are captured in the age-adjusted resident proposed by EPA (1991b) and developed more fully by EPA (1999a).

The child provides the more restrictive noncancer assessment of exposure to soil because of the greater soil ingestion rate and body SA exposed, when expressed on a BW basis. The child also provides the more restrictive noncancer assessment of exposure to metals and semivolatile organic compounds (SVOC) in groundwater because of the greater drinking water ingestion rate and body SA area exposed, when expressed on a body BW basis. The situation with volatile organic compounds (VOC) in groundwater, however, is not clear, because inhalation of VOCs is evaluated for adults, but not children, in a showering scenario (young children are assumed to bathe rather than shower). Evaluation of inhalation of VOCs is restricted to the showering scenario because both the receptor and the source (hot water) are confined in a small space (shower stall or bathtub with shower curtain drawn) so that inhalation of VOCs is maximized. Other opportunities exist for exposure to VOCs; however, such exposure probably would not occur in a confined space and the large dilution factor of freely circulating ambient air would likely reduce airborne concentrations in the breathing zone to levels much lower than those experienced while showering. Inhalation of VOCs during showering, therefore, is considered the upperbound for exposure by this route.

The EF of 350 days per year (EPA, 1991a) is used for both cancer and noncancer SSSL development. The age-adjusted resident is assumed to be exposed 6 years as a child and 24 years as an adult for a total 30-year exposure duration (EPA, 1991a, EPA, 1995a). The child resident is a 0- to 6-year-old with an average BW of 15 kilograms (kg); a soil incidental ingestion rate of 200 milligrams per day (mg/day); a drinking water ingestion rate of 1 liter per day (L/day) (EPA, 1995a); and an average body SA of 7,300 square centimeters (cm^2) (based on data for 2- to 6-year-old male and female children [EPA, 1997a]). The adult resident has a BW of 70 kg; a soil incidental ingestion rate of 100 mg/day; a drinking water ingestion rate of 2 L/day (EPA, 1995a); and an average body SA of 18,150 cm^2 (average for males and females [EPA, 1992]). A soil incidental ingestion factor of 114 mg-years/kg-day, developed by EPA (1991b) from the child and adult soil incidental ingestion, BW, and ED data previously provided is used in the cancer evaluation. EPA (1998) developed a drinking water ingestion factor of 1.09 L-years/kg-day using the provided data.

EPA (1995a) considers that inhalation of VOCs during showering is equivalent to ingesting 2 L of water per day. Cancer evaluation of VOCs in groundwater requires that an inhalation factor be developed to reflect the time that the age-adjusted receptor spends as an adult. An age-

adjusted inhalation factor of 0.7 L-years/kg-day is developed by analogy to the age-adjusted drinking water ingestion factor as follows:

$$GWIFadj = \frac{(EDtot - EDc) \bullet DWgw}{BWa} \qquad \text{Eq. 2-1}$$

where:

GWIFadj	=	age-adjusted groundwater inhalation factor (L-years/kg-day calculated)
EDtot	=	total residential exposure duration (30 years [EPA, 1991a])
EDc	=	exposure duration child (6 years [EPA, 1995a])
DWgw	=	drinking water ingestion rate (2 L/day [EPA, 1995a])
BWa	=	body weight adult (70 kg [EPA, 1991a]).

It is assumed that adults shower for 12 minutes per day and that children take baths for 20 minutes per day (EPA, 1992). An age-adjusted body surface area factor for contact with groundwater of 9,140 cm^2-years/kg-day is developed by analogy to the soil incidental ingestion and drinking water ingestion factors as follows:

$$SAWadj = \frac{EDc \times SAWc}{BWc} + \frac{(EDtot - EDc) \times SAWa}{BWa} \qquad \text{Eq.2-2}$$

where:

SAWadj	=	age-adjusted body surface area-groundwater factor (cm^2-years/kg-day calculated)
EDc	=	exposure duration child (6 years [EPA, 1995a])
SAWc	=	body surface area of a child exposed to groundwater during bathing (7300 cm^2 [EPA, 1992])
BWc	=	body weight child (15 kg [EPA, 1995a])
EDtot	=	total residential exposure duration (30 years [EPA, 1991a])
SAWa	=	body surface area of an adult exposed to groundwater during showering (18,150 cm^2 [EPA, 1992])
BWa	=	body weight adult (70 kg [EPA, 1991a]).

EPA (1998) recommends body SAs of 1,800 cm^2 for the child and 5,250 cm^2 for the adult for estimating dermal exposure to soil in a residential setting. An age-adjusted body SA-soil factor of 2,520 cm^2-years/kg-day is developed from these assumptions by analogy to the age-adjusted body SA-groundwater factor. EPA (1998) recommends an AF of 0.07 milligrams per square centimeter (mg/cm^2) for the adult resident, and 0.06 mg/cm^2 for the child. To simplify, the AF of 0.07 mg/cm^2 will be used for both the adult and child resident.

The resident is also evaluated, when appropriate, for fish and game consumption, incidental ingestion of surface water and sediment, and dermal contact with surface water and sediment. The SSSLs developed for the recreational site user for these pathways are also used for the resident screening of these pathways.

Groundskeeper. The groundskeeper is assumed to be a 70-kg adult who works 8 hours per day, approximately 5 days per week year-round on site, for a total of 250 days per year for 25 years (EPA, 1991a). The respiratory rate for the groundskeeper is assumed to be 20 cubic meters (m^3) per 8-hour workday (2.5 m^3 per hour), and the soil incidental ingestion rate is assumed to be 100 mg/day, which is comparable to that for an agricultural worker.

EPA (1998) recommends a body SA of 5,250 cm^2 and an AF of 0.01 mg/cm^2 for the groundskeeper for estimating dermal exposure to soil. It is assumed that one dermal exposure occurs per day.

In the future site-use scenario, the groundskeeper may be exposed to groundwater, which could be developed as a source of drinking water. His drinking water ingestion rate is assumed to be 1 L/day (EPA, 1991a). He may also experience dermal contact with groundwater used for irrigation, to clean equipment, and to rinse dust or perspiration from his body. For this evaluation, it is assumed that the head, arms, and hands, approximately 4,100 cm^2 (EPA, 1992), are exposed intermittently throughout the day for up to an hour per day.

FI for the soil pathways is ordinarily assumed to be 1, implying that the groundskeeper spends his entire workday in contact with site soil. An FI less than 1 may be appropriate for small sites or if other site-specific factors justify assuming that the groundskeeper would not spend his entire workday in contact with site soil.

Recreational Site User. The recreational site user is assumed to be an on-site or nearby resident who makes regular visits to the site for playing, hiking, hunting, fishing, or other recreational purposes. It is assumed that the recreational site user visits the site 2 days per week for a total of 104 visits per year, and is exposed to surface soil for 4 hours per day. In addition, the recreational site user is assumed to spend 2 hours per day in contact with surface water and sediment while wading. Contact with surface water is assumed to be intermittent rather than continuous, and it is assumed that uptake of organic chemicals across the dermis does not reach steady state.

EPA (1995a) defines a trespasser as a 7- to 16-year-old youth with an average BW of 45 kg exposed for 10 years. These assumptions are adopted for the recreational site user. A soil incidental ingestion rate of 100 mg/day is assumed for persons over 6 years old to account for incidental soil and dust ingestion by a resident (EPA, 1991a). It is assumed that the activities resulting in incidental sediment ingestion are similar to those resulting in incidental soil ingestion; therefore, the 100 mg/day soil incidental ingestion rate is adopted also for sediment. Assuming residents are awake and exposed to soil 16 hours per day, a fraction of 4/16 (0.25) is introduced to evaluate recreational site user exposure to soil, and a fraction of 2/16 (0.13) is introduced to evaluate exposure to sediment.

EPA (1997a) identifies a 45-kg youth as being approximately 13 years old with a total body SA of approximately 14,700 cm^2. EPA (1998) recommends a body SA of 5,250 cm^2 and an AF of 0.04 mg/cm^2 for the recreational site user for estimating dermal exposure to soil. A body SA of 5,250 cm^2 and an AF of 0.29 are recommended for evaluation of dermal contact with sediment. It is assumed that one dermal exposure occurs per day. During wading, the recreational site user is assumed to expose his feet, lower legs, hands, and forearms to surface water. Assuming that these body regions constitute 27 percent of the body SA of a 45-kg youth, as they do for an adult (EPA, 1997a), the skin SA exposed to surface water is estimated at 4,000 cm^2.

These described exposure assumptions are sufficiently conservative to address sites where the recreational site user is an on-site or nearby resident and exposure would be frequent. However, it is reasonable to introduce an additional fraction term for remote sites or those that are difficult to reach where the EF would be considerably less than that previously described.
It is likely that a recreational site user spending 4 to 6 hours on a site some distance from a source of potable water may become thirsty and intentionally drink available surface water. Data regarding the intentional consumption of surface water in a recreational use setting are not available; however, it is not unlikely that water consumption might approach that of a site worker. Therefore, the default assumption for water consumption of 1 L/day for workers (EPA, 1991a) is adopted for surface water ingestion for the recreational site user.

Fish Consumption. The recreational site user (a nearby resident or on-site resident) is assumed to harvest and consume fish from those bodies of water able to support sport fishing. Telephone conversations with individuals familiar with fishing on FTMC reveal the following (Garland, 1998; Owen, 1998):

- Sport fishing occurs on both the Main Post and the Pelham Range; there is no evidence that subsistence fishing occurs.

- Reilly Lake and Yahoo Lake are the only bodies of surface water on the Main Post that support sport fishing. The lakes are stocked with bass, brim, and catfish. Therefore, surface water and sediment only from Reilly and Yahoo Lakes and the streams that flow directly into them are evaluated for fish consumption. Most fish harvested from the lakes range from ½ to 2 pounds. Most sport fishing on the Main Post occurs from late February through May; less fishing occurs in July through September, and very little occurs from October to late February.

- Fishing on Pelham Range is largely limited to Cane Creek, where crappies are pursued during their spawning run (late February through April). Therefore, surface water and sediment only from Cane Creek, Cave Creek, and the perennial tributaries that flow into them are evaluated for fish consumption.

Data are not available regarding the harvest or consumption of sport-caught fish at FTMC. Although much of the sport fishing is catch-and-release, some anglers retain and presumably consume their catch. Fishing frequency on FTMC is somewhat seasonal; however, fish freeze easily and well and potentially may contribute to the diet throughout the year. Since site-specific data are not available to refine fish consumption estimates, default data evaluated by Alabama Department of Environmental Management (ADEM) (1994) and EPA (1997a) are used to develop the necessary exposure variable values.

ADEM (1994) interviewed 1,586 anglers at fishing sites throughout Alabama to estimate daily per capita consumption of freshwater fish caught from the study site. Two survey methods were used:

- The Harvest Method, in which anglers identified the fish from their catch to be consumed at the next meal and the weight of edible fish was estimated.

- The 4-Ounce Serving Method, in which the angler reported from recall the number of 4-ounce servings of fish (represented by the size of the palmar surface of the open hand) from the study site typically consumed at a meal.

There were no statistically significant differences in the results from the two survey methods. The means and 95 percent upper confidence limit (UCL) were 32.6 and 39.3 grams per day (g/day) for the Harvest Method, and 30.3 and 37.1 g/day for the 4-Ounce Serving Method. The average of the means and 95 percent UCLs for the two methods (rounded to two significant figures) is 31 and 38 g/day, respectively.

The ADEM (1994) mean fish consumption estimate for anglers (31 g/day) is somewhat higher than the means reported by EPA (1997a) for the general United States population (6.1 to 24.4 g/day), which suggests that Alabama anglers may consume more fish than the general population. An EPA (1997a) survey estimated a mean total fish consumption rate for Michigan anglers of 29.4 g/day, very similar to the ADEM (1994) mean. Anglers and their families are the subpopulation for which fish consumption SSSLs should be designed because of their potential for greater fish consumption than the general population.

The ADEM (1994) UCL for fish consumption of 38 g/day for fish caught from the study site is the starting point for derivation of fish consumption SSSLs for FTMC. The only shortcoming of the ADEM (1994) study is that it did not estimate fish consumption by children, considered by the EPA to be a potentially sensitive subpopulation requiring separate evaluation. The EPA (1997a) evaluation of Michigan anglers, however, reported total fish consumption rates of 29.4 g/day for anglers and 11.4 g/day for children 1 through 5 years old. From these data, assuming fish consumption is negligible during the first year of life, a time-weighted mean average fish consumption rate of 9.5 g/day is estimated for 0 to 6-year-old children. The childhood fish ingestion rate of 9.5 g/day from the EPA (1997a) data is used only to establish the relationship between childhood and adult fish ingestion, which is then used to estimate an equivalent childhood fish ingestion rate from the ADEM (1994) data. The EPA (1997a) data suggest that childhood fish consumption is 0.32 times the adult fish consumption rate (9.5 g/day for child/29.4 g/day for angler, presumed to be adult). Applying this ratio to the ADEM (1994) angler UCL fish ingestion rate of 38 g/day yields an equivalent childhood fish ingestion rate of 12 g/day.

An age-adjusted fish consumption factor of 17.8 g-years/kg-day is estimated as follows:

$$FCadj = \frac{EDc \bullet FCc}{BWc} + \frac{(EDtot - EDc) \bullet FCa}{BWa} \qquad \text{Eq. 2-3}$$

where:

FCadj	=	age-adjusted fish consumption factor (g-years/kg-day, calculated)
EDc	=	exposure duration child 6 years [EPA, 1995a])
FCc	=	fish consumption rate 0- through 6-year-old child (12 g/day)
BWc	=	body weight child (15 kg [EPA, 1995a])
EDtot	=	total residential exposure duration (30 years [EPA, 1991a])
FCa	=	fish consumption rate adult (38 g/day [ADEM, 1994]).
BWa	=	body weight adult (70 kg [EPA, 1991a]).

The child provides the more restrictive noncancer assessment fish consumption because of the greater fish consumption rate when expressed on a BW basis. It is assumed that 100 percent of fish consumption is harvested from the site under investigation.

Deer Consumption. The recreational site user (an on-site or nearby resident) is assumed to hunt, harvest, and consume game. The game is assumed to be venison, because deer are hunted widely and are more likely to provide a regular contribution to the diet than are other game animals. Since much of FTMC is wooded interspersed with meadows, it is favorable habitat for deer, and the recreational site user is assumed to harvest a deer each year. Reliable data regarding ingestion of venison were not located. However, it is unlikely that the recreational site user would consume more than the equivalent of one 8-ounce serving per week, or approximately 30 g/day. Data are not available from which to estimate a separate venison consumption rate for children. Therefore, the 30 g/day ingestion rate combined with the recreational site user BW of 45 kg is considered to be sufficiently conservative for all receptors.

It is assumed that 100 percent of venison consumed is harvested from the site under investigation.

Construction Worker. The construction worker is assumed to be a 70-kg adult who works 8 hours per day, approximately 5 days per week year-round on site for a total of 250 days per year (EPA, 1991a). Construction projects, which may be performed on any site where further development or the installation or repair of below-ground utilities may occur, are assumed to last 1 year. The respiratory rate for the construction worker is assumed to be 20 m^3/8-hour workday (2.5 m^3/hour). Excavation and soil grading activities, which result in intensive soil contact, are assumed to last for 3 months; thereafter, construction activities are assumed to result in less intensive soil contact. Soil ingestion rates of 480 and 100 mg/day are assumed for the intensive and less intensive soil contact periods, respectively (EPA, 1991a), resulting in a time-weighted average rounded to 200 mg/day.

EPA (1998) recommends a body SA of 5,250 cm^2 and an AF of 0.1 mg/cm^2 for the construction worker for estimating dermal exposure to soil. It is assumed that one dermal exposure occurs per day.

In the future scenario, the construction worker may be exposed to groundwater, which could be developed as a source of drinking water. His drinking water ingestion rate is assumed to be 1 L/day, the same as the groundskeeper (EPA, 1991a). He may also experience dermal contact with groundwater used to clean equipment and to rinse dust or perspiration from his body. It is

assumed that the head, arms, and hands, approximately 4,100 cm^2 (EPA, 1992), are exposed intermittently throughout the day for up to an hour per day. These assumptions for exposure to groundwater are the same as those used for the groundskeeper, except that the ED is less for the construction worker.

2.3 Site-Specific Screening Level Equations

SSSLs were developed for each medium for each relevant receptor scenario previously described. There are SSSLs for metals, VOCs, SVOCs, polychlorinated biphenyls (PCB)/pesticides, polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF), herbicides, explosives, and chemical agent breakdown products. Tables 2-2 and 2-3 present the toxicological data and physical/chemical data for each chemical used in the following equations to calculate the SSSLs. Table 2-4 presents the exposure variable values for all receptor scenarios and their acronyms. The SSSLs are presented in Tables 2-5 through 2-16. Toxicological profiles presenting all references for the chemical and toxicological values used in the SSSL calculations are presented in Appendix A.

The following sections are divided according to media and receptor scenarios; the medium- and receptor-specific SSSL calculations are described in full. A sample SSSL calculation is presented in Appendix B.

2.3.1 Soil

Resident. It is anticipated that an on-site resident would be exposed to surface soil during current or future land-use scenarios. There are two exposure routes that are quantified by which the resident may contact contaminants in soil: incidental ingestion and dermal contact. These exposure routes are combined to estimate SSSLs for residential exposure to soil as follows:

For cancer risk (based on age-adjusted resident exposure):

$$SSSL_{SLRESc} = \frac{TR \bullet ATc \bullet (1/FIso) \bullet (1/EF) \bullet CF1}{(IFadj \bullet SFo) + (SASadj \bullet AFso \bullet ABS \bullet SFd)} \qquad \text{Eq. 2-4}$$

where:

$SSSL_{SLRESc}$	=	cancer-based site-specific screening level, resident, (mg/kg, calculated)
TR	=	target cancer risk (unitless, 1E-6)
ATc	=	averaging time, cancer (days)

FIso	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
CF1	=	conversion factor (1E+6 mg/kg)
IFadj	=	age-adjusted soil incidental ingestion factor (mg-years/kg-day)
SFo	=	oral cancer slope factor (per mg/kg-day)
SASadj	=	age-adjusted body surface area-soil factor (cm^2-years/kg-day)
AFso	=	soil-to-skin adherence factor (mg/cm^2)
ABS	=	dermal absorption factor (unitless)
SFd	=	dermal cancer slope factor (per mg/kg-day).

For noncancer effects (based on child resident exposure):

$$SSSL_{SLRESn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIso) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{\left(\frac{IRso}{RfDo}\right) + \left(\frac{SAso \bullet AFso \bullet ABS}{RfDd}\right)} \quad \text{Eq. 2-5}$$

where the variables are the same as previously defined, except:

$SSSL_{SLRESn}$	=	noncancer-based site-specific screening level, resident, (mg/kg, calculated)
THI	=	target hazard index (unitless, 1E-1)
BW	=	body weight (kg)
ATn	=	averaging time, noncancer (days)
ED	=	exposure duration (years)
IRso	=	soil incidental ingestion rate (mg/day)
RfDo	=	oral reference dose (mg/kg-day)
SAso	=	body surface area exposed to soil (cm^2/day)
RfDd	=	dermal reference dose (mg/kg-day).

Groundskeeper. It is anticipated that the groundskeeper would be exposed to surface soil during current or future land-use scenarios. There are three exposure routes that are quantified by which the groundskeeper may contact contaminants in soil: incidental ingestion, inhalation of airborne dust and dermal contact. The National Council on Radiation Protection and Measurements (NCRP), (1984) suggests a dust-loading or particulate emission factor (PEF) of 100 micrograms per cubic meter ($\mu g/m^3$) for activities that include maintenance work or groundskeeping. The reciprocal is equivalent to a dust emissions factor of 1E-2 $m^3/\mu g$. Multiplying this value by 1E+3 $\mu g/mg$ yields a dust PEF of 1E+1 m^3/mg, which is used to evaluate groundskeeper inhalation exposure to airborne dust. These exposure routes are combined to estimate SSSLs for groundskeeper exposure to soil as follows:

For cancer risk:

$$SSSL_{SL-GKc} = \frac{TR \bullet BW \bullet ATc \bullet (1/FIso) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{[IRso \bullet SFo] + [SAso \bullet AFso \bullet ABS \bullet SFd] + \left[\frac{IRa \bullet SFi}{PEF}\right]} \quad \text{Eq. 2-6}$$

where:

$SSSL_{SL-GKc}$	=	cancer-based site-specific screening level, groundskeeper, (mg/kg, calculated)
TR	=	target cancer risk (unitless, 1E-6)
BW	=	body weight (kg)
ATc	=	averaging time, cancer (days)
FIso	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
CF1	=	conversion factor (1E+6 mg/kg)
IRso	=	soil incidental ingestion rate (mg/day)
SFo	=	oral cancer slope factor (per mg/kg-day)
SAso	=	body surface area exposed to soil (cm^2/day)
AFso	=	soil-to-skin adherence factor (mg/cm^2)
ABS	=	dermal absorption factor (unitless)
SFd	=	dermal cancer slope factor (per mg/kg-day)
IRa	=	inhalation rate, m^3/day
SFi	=	inhalation cancer slope factor (per mg/kg-day)
PEF	=	dust particulate emission factor (m^3/mg).

For noncancer effects:

$$SSSL_{SL-GKn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIso) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{\left[\frac{IRso}{RfDo}\right] + \left[\frac{SAso \bullet AFso \bullet ABS}{RfDd}\right] + \left[\frac{IRa}{RfDi \bullet PEF}\right]} \quad \text{Eq. 2-7}$$

where the variables are the same as previously defined, except:

$SSSL_{SL-GKn}$	=	noncancer-based site-specific screening level, groundskeeper (mg/kg, calculated)
THI	=	target hazard index (unitless, 1E-1)
ATn	=	averaging time, noncancer (days)
RfDo	=	oral reference dose (mg/kg-day)
RfDd	=	dermal reference dose (mg/kg-day)
RfDi	=	inhalation reference dose (mg/kg-day).

Construction Worker. It is anticipated that the construction worker would be exposed to surface and subsurface soils during current and future land-use scenarios. There are three exposure routes that are quantified by which the construction worker may contact contaminants in soil: incidental ingestion, inhalation of airborne dust and VOCs, and dermal contact. It is assumed that a conservative model that predicts airborne concentrations of dust raised by activity on the site would be sufficiently conservative to include airborne concentrations of VOCs from volatilization. Plausible values for a dust-loading factor include 6E-4 g/m^3 for construction work (U.S. Department of Energy, 1983), and 1E-4 g/m^3 for other activity (NCRP, 1984). It is assumed that construction activities requiring intimate contact with soil, for which a dust-loading factor of 6E-4 g/m^3 is appropriate, may last for one-fourth of a construction period. The remaining three-fourths of the time is more realistically characterized by a dust-loading factor of 1E-4 g/m^3. Therefore, a time-weighted average dust-loading factor for construction work of 2E-4 g/m^3 (2E-1 mg/m^3) is estimated for the construction worker. The reciprocal is equivalent to a PEF of 5E+0 m^3/mg, which is used to evaluate construction worker inhalation exposure to airborne dust and VOCs. These exposure routes are combined to estimate SSSLs for construction worker exposure to soil as follows:

For cancer risk, use Equation 1-9, substituting $SSSL_{SL\text{-}CST\text{-}c}$ for $SSSL_{SL\text{-}GK\text{-}c}$, where:

$SSSL_{SL\text{-}CST\text{-}c}$ = cancer-based site-specific screening level, construction worker (mg/kg, calculated).

For noncancer effects, use Equation 1-10, substituting $SSSL_{SL\text{-}CST\text{-}n}$ for $SSSL_{SL\text{-}GK\text{-}n}$, where:

$SSSL_{SL\text{-}CST\text{-}n}$ = noncancer-based site-specific screening level, construction worker (mg/kg, calculated).

Recreational Site User. It is anticipated that the recreational site user would be exposed to surface soil during the current and future land-use scenarios. There are two direct exposure routes that are quantified by which the residential site user may contact contaminants in surface soil: incidental ingestion and dermal contact. These direct exposure routes are combined to estimate SSSLs for recreational site user exposure to surface soil as follows:

For cancer risk:

$$SSSL_{SL-RECc} = \frac{TR \bullet BW \bullet ATc \bullet (1/FIso) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{[IRso \bullet SFo] + [SAso \bullet AFso \bullet ABS \bullet SFd]} \quad \text{Eq. 2-8}$$

where:

$SSSL_{SL\text{-}RECc}$	=	cancer-based site-specific screening level, recreational site user (mg/kg, calculated)
TR	=	target cancer risk (unitless, 1E-6)
BW	=	body weight (kg)
ATc	=	averaging time, cancer (days)
FIso	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
CF1	=	conversion factor (1E+6 mg/kg)
IRso	=	soil incidental ingestion rate (mg/day)
SFo	=	oral cancer slope factor (per mg/kg-day)
SAso	=	body surface area exposed to soil (cm^2/day)
AFso	=	soil-to-skin adherence factor (mg/cm^2)
ABS	=	dermal absorption factor (unitless)
SFd	=	dermal cancer slope factor (per mg/kg-day).

For noncancer effects, use Equation 1-8, substituting $SSSL_{SL\text{-}RECn}$ for $SSSL_{SL\text{-}RESn}$, where:

$SSSL_{SL\text{-}RECn}$	=	noncancer-based site-specific screening level, recreational site user (mg/kg, calculated).

Venison Consumption. The recreational site user may also be exposed indirectly to surface soil through deer browsing on vegetation. In this scenario, deer are exposed by browsing the plants growing on contaminated soil. Deer may also ingest soil, but soil ingestion is of greater significance for animals that graze, such as cattle and sheep, and is not evaluated herein. This pathway is evaluated only for those open or recreational use sites able to support browsing deer. Chemicals evaluated are limited to the metals for which there are oral toxicity values, and the persistent, lipophilic organic chemicals expected to bioaccumulate in biological tissue (i.e., the organochlorine pesticides [e.g., dichlorodiphenyltrichloroethane, dieldrin, chlordane], PCBs, and PCDD/PCDF).

The following simplifying assumptions permit estimating an overall soil-to-venison transfer factor for SSSL development:

- Soil-to-plant transfer factors are available for metals (Baes et al., 1984) and may be estimated for organic compounds (Travis and Arms, 1988), and are expressed as the ratio of the concentration of chemical in the aerial part of plants (mg of chemical/kg of plant dry matter [DM]) to the concentration in soil (mg of chemical/kg of soil). Deer browse roughage, such as buds, twigs, leaves and grasses, for longer periods during the year than they consume nuts or mast, such as acorns. Therefore soil-to-plant

transfer factors for metals for the vegetative parts of plants, rather than the reproductive parts, will be used.

- Deer are small ruminants and as such are not unlike cattle; thus, it is reasonable to assume they may have similar physiological processes that could yield browse-to-venison biotransfer factors similar to forage-to-beef biotransfer factors. Unlike beef, however, deer meat does not marble with fat, and deer fat is quite unpalatable and is likely to be trimmed rather than consumed. Therefore, biotransfer factors for edible venison are derived by adjusting biotransfer factors for beef to account for differences in the fat content of table-ready beef (cooked choice retail cuts trimmed to 0 inches of fat, average 14.4 percent fat) and venison (cooked boneless muscle meats, average 2.9 percent fat) (Nutrient Database, on-line). Therefore, browse-to-venison biotransfer factors are derived by multiplying forage-to-beef biotransfer factors by 2.9/14.4 or 0.2.

- Deer are expected to consume 1.74 kg of browse per day (Sample et al., 1997), which is approximately 50 percent DM (0.87 kg browse DM per day) (Mautz et al., 1976).

- Deer are expected to browse a much larger area than the potentially contaminated areas encompassed in any of the sites at FTMC. Therefore the fraction of total browse consumed from the contaminated site is expected to be small. It is assumed that one-tenth of a deer's daily browse (0.087 kg browse DM per day) is obtained from the site under investigation.

Soil-to-plant biotransfer factors (Bp) for organic compounds are calculated from the following equation (Travis and Arms, 1988):

$$\log Bp = 1.588\ (0.578 \bullet \log Kow) \qquad \text{Eq. 2-9}$$

where:

Bp = soil-to-plant biotransfer factor (kg soil/kg of plant DM)
Kow = octanol-water partition coefficient.

Plant-to-beef biotransfer factors (Bb) for organic compounds are calculated from the following equation (Travis and Arms, 1988):

$$\log Bb = 7.6 + \log Kow \qquad \text{Eq. 2-10}$$

where:

Bb	=	plant to beef biotransfer factor (days/kg)
Kow	=	octanol-water partition coefficient.

An overall soil-to-venison factor that reflects these assumptions can be expressed as:

$$Bv = (0.087)(Bp)(0.2)(Bb)(CF2) \qquad \text{Eq. 2-11}$$

where:

Bv	=	overall soil-to-venison biotransfer factor (mg soil/g venison, calculated)
0.087	=	browse DM ingested by deer from potentially contaminated site (kg/day)
Bp	=	soil-to-plant biotransfer factor (kg soil/kg of plant DM)
0.2	=	factor to adjust for differences in fat content of table-ready beef and venison (unitless)
Bb	=	plant-to-beef biotransfer factor (days/kg)
CF2	=	conversion factor (1E+3 mg/g).

The overall soil-to-venison biotransfer factor is used to estimate soil SSSLs for venison consumption as follows:

For cancer risk:

$$SSSL_{SL-Vc} = \frac{TR \bullet BW \bullet ATc \bullet (1/EF) \bullet (1/ED) \bullet CF1}{VC \bullet Bv \bullet SFo} \qquad \text{Eq. 2-12}$$

where:

$SSSL_{SL-Vc}$	=	cancer-based site-specific screening level, venison consumption (mg/kg, calculated)
TR	=	target cancer risk (unitless, 1E-6)
BW	=	body weight (kg)
ATc	=	averaging time, cancer (days)
FIso	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
CF1	=	conversion factor (1E+6 mg/kg)
VC	=	venison consumption rate (g/day)
Bv	=	overall soil-to-venison biotransfer factor (mg soil/g venison)
SFo	=	oral cancer slope factor (per mg/kg-day).

For noncancer effects:

$$SSSL_{SL-Vn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIso) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{\left(\frac{VC \bullet Bv}{RfDo}\right)} \qquad \text{Eq. 2-13}$$

where the variables are the same as previously defined, except:

$SSSL_{SLVn}$	=	noncancer-based site-specific screening level, venison consumption (mg/kg, calculated)
THI	=	target hazard index (unitless, 1E-1)
ATn	=	averaging time, noncancer (days)
RfDo	=	oral reference dose (mg/kg-day).

Deer consumption SSSLs calculated for the recreational site user are also utilized to screen an on-site resident's cancer risk and noncancer hazard for deer consumption.

2.3.2 Groundwater

An important exposure route for contact with groundwater is dermal contact, the evaluation of which requires a PC. When possible, values for PC are taken from EPA (1992). If PC values are not available, they will be calculated from the formula (EPA, 1992):
where:

$$\text{Log}(PC) = 2.72 + 0.71(\log K_{ow})0.0061(MW) \qquad \text{Eq. 2-14}$$

PC	=	permeability coefficient (cm/hour, calculated)
$\log K_{ow}$	=	log of the octanol/water partition coefficient (unitless)
MW	=	molecular weight.

Resident. It is anticipated that the resident is exposed to groundwater during both the current and future land-use scenarios. Chemicals in groundwater are assigned to three classes for SSSL development: inorganic chemicals (largely metals), VOCs, and SVOCs. For evaluating residential exposure to groundwater, VOCs include those chemicals with a molecular weight less than 200 grams per mole, and a Henry's law constant greater than 1E-5 atmosphere-m^3/mole. All other organic chemical classes, including pesticides/PCBs, dioxins, etc., are considered to be SVOCs. There are three exposure routes that are quantified by which the on-site resident may contact contaminants in groundwater: ingestion of drinking water, dermal contact, and inhalation of volatiles released during household use. Drinking water ingestion pertains to all

classes of potential contaminants. Inhalation pertains only to VOCs and is evaluated only for adults in a showering scenario. Dermal uptake pertains only to organic chemicals; dermal uptake of inorganic chemicals associated with residential use of water is considered insignificant relative to drinking water ingestion (EPA, 1995a). Separate equations are used to develop SSSLs for the different chemical classes in groundwater.

For cancer risk, inorganic chemicals in groundwater (age-adjusted resident exposure):

$$SSSL_{GW-RESc} = \frac{TR \bullet ATc \bullet (1/FIgw) \bullet (1/EF)}{DWFadj \bullet SFo} \qquad \text{Eq. 2-15}$$

where:

$SSSL_{GW-RESc}$	=	cancer-based site-specific screening level, resident (mg/L, calculated)
TR	=	target cancer risk (unitless, 1E-6)
ATc	=	averaging time, cancer (days)
FIgw	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
DWFadj	=	age-adjusted drinking water ingestion factor (L-years/kg-day)
SFo	=	oral cancer slope factor (per mg/kg-day).

For cancer risk, VOCs in groundwater (age-adjusted resident exposure):

$$SSSL_{GW-RESc} = \frac{TR \bullet ATc \bullet (1/FIgw) \bullet (1/EF)}{(DWFadj \bullet SFo) + (GWIFadj \bullet SFi)} \qquad \text{Eq. 2-16}$$

where the variables are the same as previously defined, except:

GWIFadj	=	age-adjusted groundwater inhalation factor (L-years/kg-day)
SFi	=	inhalation cancer slope factor (per mg/kg-day).

The previous equation assumes that the age-adjusted groundwater inhalation factor, based on adult ingestion of 2 L/day of drinking water, is sufficiently conservative to account for dermal uptake of VOCs, as well as inhalation exposure.

For cancer risk, SVOCs in groundwater (age-adjusted resident exposure):

$$SSSL_{GW\text{-}RESc} = \frac{TR \bullet ATc \bullet (1/FIgw) \bullet (1/EF)}{(DWFadj \bullet SFo) + (SAWadj \bullet PC \bullet ETgw \bullet CF3 \bullet SFd)} \qquad \text{Eq. 2-17}$$

where the variables are the same as previously defined, except:

SAWadj	=	age-adjusted body SA-groundwater factor (cm^2-years/kg-day)
PC	=	permeability coefficient (cm/hour)
CF3	=	conversion factor (1E-3 L/cm^3)
ETgw	=	exposure time (hours)
SFd	=	dermal cancer slope factor (per mg/kg-day).

For noncancer effects, inorganic chemicals in groundwater (based on child resident exposure):

$$SSSL_{GW-RESn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIgw) \bullet (1/EF) \bullet (1/ED)}{\frac{DW}{RfDo}} \qquad \text{Eq. 2-18}$$

where:

$SSSL_{GWRESn}$	=	noncancer-based site-specific screening level, resident (mg/L, calculated)
THI	=	target hazard index (unitless, 1E-1)
BW	=	body weight (kg)
ATn	=	averaging time, noncancer (days)
FIgw	=	fraction exposed to contaminated medium (unitless)
F	=	exposure frequency (days/year)
ED	=	exposure duration (years)
DW	=	drinking water ingestion rate (L/day)
RfDo	=	oral reference dose (mg/kg-day).

For noncancer effects, SVOCs in groundwater (based on child resident exposure):

$$SSSL_{GW\text{-}RESn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIgw) \bullet (1/EF) \bullet (1/ED)}{\left(\frac{DW}{RfDo}\right) + \left(\frac{SAWC \bullet PC \bullet ETgw \bullet CF3}{RfDd}\right)} \qquad \text{Eq. 2-19}$$

where the variables are the same as previously defined, except:

SAWC	=	body surface area of a child exposed to groundwater during bathing (cm^2)
PC	=	permeability coefficient (cm/hour)
CF3	=	conversion factor (1E-3 L/cm^3)
ETgw	=	exposure time (hours)
RfDd	=	dermal reference dose (mg/kg-day).

Developing residential SSSLs for noncancer effects for VOCs in groundwater is not as straight-forward as the other chemical classes, because neither the adult nor the child consistently provides the more restrictive evaluation. Therefore, it is necessary to develop noncancer SSSLs for VOCs in groundwater for both the adult and the child resident and choose the more restrictive (smaller) of the two. Equation 2-19 is used to estimate SSSLs for noncancer effects for VOCs for the child resident. The following equation is used to estimate SSSLs for noncancer effects for VOCs for the adult resident:

$$SSSL_{GW-RESn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIgw) \bullet (1/EF) \bullet (1/ED)}{(DW/RfDo) + (DW/RfDi)} \qquad \text{Eq. 2-20}$$

where:

$SSSL_{GW-RESn}$	=	noncancer-based site-specific screening level, resident (mg/L, calculated)
THI	=	target hazard index (unitless, 1E-1)
BW	=	body weight (kg)
ATn	=	averaging time, noncancer (days)
FIgw	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
D	=	exposure duration (years)
DW	=	drinking water ingestion rate (L/day)
RfDo	=	oral reference dose (mg/kg-day)
RfDi	=	inhalation reference dose (mg/kg-day).

Groundskeeper. It is anticipated that the groundskeeper may only be exposed to groundwater during the future land-use scenario. There are two exposure routes that are quantified by which the groundskeeper may contact contaminants in groundwater: drinking water ingestion and dermal contact. These exposure routes are combined to estimate SSSLs for groundskeeper exposure to groundwater as follows:

For cancer risk:

$$SSSL_{GW-GKc} = \frac{TR \bullet BW \bullet ATc \bullet (1/FIgw) \bullet (1/EF) \bullet (1/ED)}{(DW \bullet SFo) + (SAgw \bullet PC \bullet CF3 \bullet ETgw \bullet SFd)} \quad \text{Eq. 2-21}$$

where:

$SSSL_{GW-GKc}$	=	cancer-based site-specific screening level, groundskeeper (mg/L, calculated)
TR	=	target cancer risk (unitless, 1E-6)
BW	=	body weight (kg)
ATc	=	averaging time, cancer (days)
FIgw	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
DW	=	drinking water ingestion rate (L/day)
SFo	=	oral cancer slope factor (per mg/kg-day)
SAgw	=	body surface area exposed to groundwater (cm^2)
PC	=	permeability coefficient (cm/hour)
CF3	=	conversion factor (1E-3 L/cm^3)
ETgw	=	exposure time (hours)
SFd	=	dermal cancer slope factor (per mg/kg-day).

For noncancer effects, use Equation 2-19, substituting $SSSL_{GW-GKn}$ for $SSSL_{GW-RESn}$, where:

$SSSL_{GW-GKn}$	=	noncancer-based site-specific screening level, groundskeeper (mg/L, calculated).

Construction Worker. It is anticipated that the construction worker may be exposed to groundwater only under future land-use conditions. There are two exposure routes that are quantified by which the construction worker may contact contaminants in groundwater: ingestion and dermal contact. These exposure routes are combined to estimate SSSLs for the construction worker's exposure to groundwater utilizing the same equations as those used for the groundskeeper, only the exposure duration (which is 1 year for the construction worker) is changed.

2.3.3 Surface Water

Recreational Site User. It is anticipated that the recreational site user would be exposed to surface water during both the current and future land-use scenarios. There are two direct

exposure routes that are quantified by which the recreational site user may contact contaminants in surface water: intentional ingestion and dermal contact. These exposure routes are combined to estimate SSSLs for recreational site user exposure to surface water as follows:

For cancer risk:

$$SSSL_{SW\text{-}RECc} = \frac{TR \bullet BW \bullet ATc \bullet (1/FIsw) \bullet (1/EF) \bullet (1/ED)}{(IRsw \bullet SFo) + (SAsw \bullet PC \bullet ETsw \bullet CF3 \bullet SFd)} \quad \text{Eq. 2-22}$$

where:

$SSSL_{SW\text{-}RECc}$	=	cancer-based site-specific screening level, recreational site user, (mg/L, calculated)
TR	=	target cancer risk (unitless, 1E-6)
BW	=	body weight (kg)
ATc	=	averaging time, cancer (days)
FIsw	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
IRsw	=	surface water ingestion rate (L/day)
SFo	=	oral cancer slope factor (per mg/kg-day)
SAsw	=	body surface area exposed to surface water (cm^2)
PC	=	permeability coefficient (cm/hour)
CF3	=	conversion factor (1E-3 L/cm^3)
ETsw	=	exposure time (hours)
SFd	=	dermal cancer slope factor (per mg/kg-day).

For noncancer effects:

$$SSSL_{SW\text{-}RECn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIsw) \bullet (1/EF) \bullet (1/ED)}{\left(\frac{IRsw}{RfDo}\right) + \left(\frac{SAsw \bullet PC \bullet ETsw \bullet CF3}{RfDd}\right)} \quad \text{Eq. 2-23}$$

Where the variables are the same as previously defined, except:

$SSSL_{SW\text{-}RECn}$	=	noncancer-based site-specific screening level, recreational site user (mg/L, calculated)
THI	=	target hazard index (unitless, 1E-1)
ATn	=	averaging time, noncancer (days)
RfDo	=	oral reference dose (mg/kg-day)
RfDd	=	dermal reference dose (mg/kg-day).

Fish Consumption. The recreational site user is also expected to ingest fish under both current and future land-use scenarios. In this scenario, fish are potentially exposed by living in contaminated surface water. Consuming fish represents an indirect pathway for exposure of humans to surface water. This pathway is evaluated only for those bodies of surface water able to support sport fishing, which include Reilly Lake and Yahoo Lake and streams that flow directly into these lakes on the Main Post, and Cave Creek, Cane Creek, and perennial streams that flow directly into them on Pelham Range. Chemicals evaluated are limited to the metals for which oral toxicity values exist, and the persistent, lipophilic organic chemicals expected to bioconcentrate in fish tissue (i.e., the organochlorine pesticides, PCBs, and PCDD/PCDF). A surface water-to-fish bioconcentration factor (BCF), for metals taken from EPA (1986b) and for organic compounds calculated as recommended by Bintein and Devillers (1993), is used to estimate surface water SSSLs for fish consumption. BCFs for organic compounds are calculated from the following equation:

$$\log BCF = 0.910 \bullet \log Kow - (1.975 \bullet \log [\,(6.8E-7 \bullet Kow) + 1]) - 0.786 \qquad \text{Eq. 2-24}$$

where:

BCF	=	surface water-to-fish bioconcentration factor (L water/kg fish)
Kow	=	octanol-water partition coefficient.

SSSLs for fish consumption are calculated as follows:

For cancer risk (based on age-adjusted receptor):

$$SSSLsw - Fc = \frac{TR \bullet ATc \bullet (1/EF) \bullet CF4}{FCadj \bullet BCF \bullet SFo} \qquad \text{Eq. 2-25}$$

where:

$SSSL_{SW\text{-}Fc}$	=	cancer-based site-specific screening level, fish consumption (mg/L, calculated)
TR	=	target cancer risk (unitless, 1E-6)
ATc	=	averaging time, cancer (days)
EF	=	exposure frequency (days/year)
CF4	=	conversion factor (1E+3 g/kg)
FCadj	=	age-adjusted fish consumption rate (g-years/kg-day)
BCF	=	surface water-to-fish bioconcentration factor (L water/kg fish)
SFo	=	oral cancer slope factor (per mg/kg-day).

For noncancer effects (based on child receptor):

$$SSSLsw-Fn = \frac{THI \bullet BW \bullet ATn \bullet (1/EF) \bullet (1/ED) \bullet CF4}{\left(\frac{FC \bullet BCF}{RfDo}\right)} \qquad \text{Eq. 2-26}$$

where the variables are the same as previously defined, except:

$SSSL_{SW-Fn}$	=	noncancer-based site-specific screening level, fish consumption (mg/L, calculated)
THI	=	target hazard index (unitless, 1E-1)
ATn	=	averaging time, noncancer (days)
ED	=	exposure duration (years)
FC	=	fish consumption rate (g/day)
RfDo	=	oral reference dose (mg/kg-day).

Sport fishing on Pelham Range is largely limited to crappies during their spawning run, from late February through April, which constitutes approximately 11 weeks, or 0.2 years. During the remainder of the year, the fish reside in the Coosa River and are not subjected to potential contamination on the site. Therefore, the surface water SSSLs for fish consumption derived as described are multiplied by five for use on Pelham range. No adjustment is applied for use on the Main Post, because Reilly and Yahoo Lakes are stocked with fish that are assumed to remain in the lakes year round.

All surface water SSSLs developed for the recreational site user are also utilized for resident screening for direct and indirect surface water exposures.

2.3.4 Sediment

Recreational Site User. It is anticipated that the recreational site user may have exposures to sediment during both the current and future land-use scenarios. There are two direct exposure routes that are quantified by which the recreational site user may contact contaminants in sediment: incidental ingestion and dermal contact. These exposure routes are combined to estimate SSSLs for recreational site user exposure to sediment as follows:

For cancer risk:

$$SSSL_{SD-RECc} = \frac{TR \bullet BW \bullet ATc \bullet (1/FIsd) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{(IRsd \bullet SFo) + (SAsd \bullet AFsd \bullet ABS \bullet SFd)} \qquad \text{Eq. 2-27}$$

where:

$SSSL_{SD\text{-}RECc}$	=	cancer-based site-specific screening level, recreational site user, (mg/L, calculated)
TR	=	target cancer risk (unitless, 1E-6)
BW	=	body weight (kg)
ATc	=	averaging time, cancer (days)
FIsd	=	fraction exposed to contaminated medium (unitless)
EF	=	exposure frequency (days/year)
ED	=	exposure duration (years)
CF1	=	conversion factor (1E+6 mg/kg)
IRsd	=	sediment incidental ingestion rate (mg/day)
SFo	=	oral cancer slope factor (per mg/kg-day)
SAsd	=	body surface area exposed to sediment (cm^2/day)
AFsd	=	sediment-to-skin adherence factor (mg/cm^2)
ABS	=	dermal absorption factor (unitless)
SFd	=	dermal cancer slope factor (per mg/kg-day).

For noncancer effects:

$$SSSL_{SD-RECn} = \frac{THI \bullet BW \bullet ATn \bullet (1/FIsd) \bullet (1/EF) \bullet (1/ED) \bullet CF1}{\left(\frac{IRsd}{RfDo}\right) + \left(\frac{SAsd \bullet AFsd \bullet ABS}{RfDd}\right)} \qquad \text{Eq. 2-28}$$

where the variables are the same as previously defined, except:

$SSSL_{SDRECn}$	=	noncancer-based site-specific screening level, recreational site user (mg/L, calculated)
THI	=	target hazard index (unitless, 1E-1)
ATn	=	averaging time, noncancer (days)
RfDo	=	oral reference dose (mg/kg-day)
RfDd	=	dermal reference dose (mg/kg-day).

Fish Consumption. The recreational site user (an on-site or nearby resident) is also evaluated for his exposure to contaminants from fish ingestion. In this scenario, fish are potentially exposed by feeding in contaminated sediment in surface water bodies. Consuming fish represents an indirect pathway for exposure of humans to sediment. This pathway is evaluated only for sediment in those bodies of surface water able to support sport fishing. Metals evaluated are limited to the mercury, the only metal for which data regarding the ratio of the concentration in fish to the concentration in sediment are available. Organic chemicals evaluated are limited to the persistent, lipophilic chemicals expected to bioaccumulate in fish tissue (i.e., the organochlorine pesticides, PCBs, and PCDD/PCDF).

Values for the ratio of the concentration of contaminant in fish to the concentration in sediment (Df), are available for neither mercury nor organic compounds. A Df value for mercury, however, can be estimated from the concentration of mercury in sediment and the edible fish associated with that sediment. Several data compilations are available; however, probably the most appropriate is a study of several lakes in northeastern Minnesota (Nichols, 1995). In this study, the average concentration in sediment was 0.160 mg of mercury/kg of sediment (Sorensen et al., 1990). The average concentration in edible fish (Northern Pike) was 0.450 mg of mercury/kg of fresh fish. The resulting Df is:

$$\frac{0.450\ mg/kg}{0.160\ mg/kg} \qquad \text{Eq. 2-29}$$

or 2.8 (mg mercury/kg fish)/(mg mercury/kg sediment).

Biota-to-sediment-accumulation factors (BSAF), defined as the ratio of the concentration of contaminant in fish lipid to the concentration in sediment organic carbon, are available for PCBs, PCDD/PCDF, and a limited number of pesticides (EPA, 1995b). The BSAF values can be converted to Df values as follows:

$$Df = \frac{BSAF \bullet F_{lipid}}{F_{oc}} \qquad \text{Eq. 2-30}$$

where:

Df	=	ratio of the concentration in fish to the concentration in sediment ([mg contaminant/kg fish]/[mg contaminant/kg sediment] calculated)
BSAF	=	ratio of the concentration in fish lipid to the concentration in sediment organic carbon ([mg contaminant/kg fish]/[mg contaminant/kg sediment])
F_{lipid}	=	default fish lipid content (unitless fraction, 0.07 [EPA, 1994])
F_{oc}	=	default sediment organic carbon content (unitless fraction, 0.04 [EPA, 1994]).

The Df is used to estimate sediment SSSLs for fish consumption as follows:

For cancer risk (based on age-adjusted receptor):

$$SSSLS_{SD-Fe} = \frac{TR \bullet ATc \bullet (1/EF) \bullet CF4}{FCadj \bullet Df \bullet SFo} \qquad \text{Eq. 2-31}$$

where :

$SSSL_{SD\text{-}Fc}$	=	cancer-based site-specific screening level, fish consumption (mg/kg, calculated)
TR	=	target cancer risk (unitless, 1E-6)
ATc	=	averaging time, cancer (days)
EF	=	exposure frequency (days/year)
CF4	=	conversion factor (1E+3 g/kg)
FCadj	=	age-adjusted fish consumption rate (g-years/kg-day)
Df	=	ratio of the concentration in fish to the concentration in sediment ([mg contaminant/kg fish]/[mg contaminant/kg sediment])
SFo	=	oral cancer slope factor (per mg/kg-day).

For noncancer effects (based on child receptor):

$$SSSL_{SD-Fn} = \frac{THI \bullet BW \bullet ATn \bullet (1/EF) \bullet (1/ED) \bullet CF4}{\left(\frac{FC \bullet Df}{RfDo}\right)} \qquad \text{Eq. 2-32}$$

where the variables are the same as previously defined, except:

$SSSL_{SD\text{-}Fn}$	=	noncancer-based site-specific screening level, fish consumption (mg/kg, calculated)
THI	=	target hazard index (unitless, 1E-1)
ATn	=	averaging time, noncancer (days)
ED	=	exposure duration (years)
FC	=	fish consumption rate (g/day)
RfDo	=	oral reference dose (mg/kg-day).

Sport fishing on Pelham Range is largely limited to crappies during their spawning run, from late February through April, which constitutes approximately 11 weeks, or 0.2 years. During the remainder of the year, the fish reside in the Coosa River and are not subjected to potential contamination on the site. Therefore, the sediment SSSLs for fish consumption derived as previously described are multiplied by five for use on Pelham range. No adjustment is applied for use on the Main Post, because Reilly and Yahoo Lakes are stocked with fish that are assumed to remain in the lakes year-round.

All sediment SSSLs developed for the recreational site user are also used to screen the resident for direct and indirect exposures to sediment.

2.4 Toxicity Evaluation

Toxicity is defined as the ability of a chemical to induce adverse effects in biological systems. The purpose of the toxicity assessment is two-fold:

- Identify the cancer and noncancer effects that may arise from exposure of humans to chemicals (hazard assessment).
- Provide an estimate of the quantitative relationship between the magnitude and duration of exposure and the probability or severity of adverse effects (dose-response assessment).

The latter is accomplished by the derivation of cancer and noncancer toxicity values, as described in the following section. The toxicity values are used in the SSSL equations presented above.

2.4.1 Sources of Toxicity Information Used in SSSL Development

Toxicity values are chosen using the following hierarchy:

- The EPA's on-line Integrated Risk Information System (IRIS) database (EPA, 1999b) containing toxicity values that have undergone the most rigorous Agency review
- The latest version of the annual Health Effects Assessment Summary Table (HEAST), including all supplements (EPA, 1997b)
- Other EPA documents, memoranda, former Environmental Criteria and Assessment Office, or National Center for Environmental Assessment (NCEA) derivations for the Superfund Technical Support Center.

All toxicity values, regardless of their source, are evaluated for appropriateness for use in risk assessment.

When toxicity values are not located, the primary literature may be surveyed to determine whether sufficient data exist that would permit derivation of a toxicity value. The use of surrogate chemicals is also considered, if the chemical structure, adverse effects, and toxic potency of the surrogate and chemical of interest are judged to be sufficiently similar.

Gastrointestinal absorption factor (GAF), used to derive dermal reference dose (RfD) values and slope factors from the corresponding oral toxicity values, are obtained from the following sources:

- Oral absorption efficiency data compiled by the NCEA for the Superfund Health Risk Technical Support Center of the EPA

- Federal agency reviews of the empirical data, such as Agency for Toxic Substances and Disease Registry (ATSDR) Toxicological Profiles and various EPA criteria documents

- Other published reviews of the empirical data

- An EPA Region 4 compilation of GAF values

- The primary literature.

GAFs obtained from reviews are compared to empirical (especially more recent) data, when possible, and are evaluated for suitability for use for deriving dermal toxicity values from oral toxicity values. The suitability of the GAF increases when the following similarities are present in the oral pharmacokinetic study from which the GAF is derived and in the key toxicity study from which the oral toxicity value is derived:

- The same strain, sex, age and species of test animal was used.

- The same chemical form (e.g., the same salt or complex of an inorganic element or organic compound) was used.

- The same mode of administration (e.g., diet, drinking water, or gavage vehicle) was used.

- Similar dose rates were used.

The most defensible GAF for each chemical is used in the risk assessment. When quantitative data are insufficient, a default GAF is used. EPA (1995a) recommends a GAF of 0.8 for VOCs, 0.5 for SVOCs, and 0.2 for inorganic chemicals.

Toxicity profiles for the SSSL chemicals are presented in Appendix A.

Table 2-1

Receptor Scenarios, Media, and Exposure Pathways
Fort McClellan, Calhoun County, Alabama

Source Medium	Model	Exposure Medium	Exposure Pathway	Comment
Groundskeeper				
Surface Soil (current and future land-use)	None	Soil	Incidental Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (volatilization from undisturbed surface soil deemed insignificant, large dilution factor of outdoor air)
	Dust emissions (based on activity)	Air	Inhalation	Quantified
Groundwater (future land-use)	None	Water	Drinking water Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (insignificant compared with other pathways due to infrequent and short-term exposures and large dilution factor of ambient air)
Construction Worker				
Surface and Subsurface Soil (current and future land-use)	None	Soil	Incidental Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Quantified (as part of dust emission model)
	Dust emissions (based on activity)	Air	Inhalation	Quantified
Groundwater (future land-use)	None	Water	Drinking water Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (insignificant compared with other pathways due to infrequent and short-term exposures and large dilution factor of ambient air)

Table 2-1

Receptor Scenarios, Media, and Exposure Pathways
Fort McClellan, Calhoun County, Alabama

Source Medium	Model	Exposure Medium	Exposure Pathway	Comment
Resident				
Surface Soil (current and future land-use)	None	Soil	Incidental Ingestion Dermal Contact	Quantified Quantified
	Bio-uptake by vegetation browsed by deer	Venison	Ingestion	Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (volatilization from undisturbed surface soil deemed insignificant, large dilution factor of outdoor air)
	Dust emissions (from wind erosion)	Air	Inhalation	Not Quantified (soil covered with pavement or vegetation, dust emissions insignificant)
Groundwater (current and future land-use)	None	Water	Drinking Water Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Quantified
Surface Water (current and future land-use)	None	Water	Incidental Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (large dilution of outdoor air)
	Bioconcentration by Aquatic Organisms	Fish	Ingestion	Quantified
Sediment (current and future land-use)	Bioaccumulation by Aquatic Organisms	Fish	Ingestion	Quantified

Table 2-1

Receptor Scenarios, Media, and Exposure Pathways
Fort McClellan, Calhoun County, Alabama

Source Medium	Model	Exposure Medium	Exposure Pathway	Comment
Recreational Site User				
Surface Soil (current and future land-use)	None	Soil	Incidental Ingestion Dermal Contact	Quantified Quantified
	Bio-uptake by vegetation browsed by deer	Venison	Ingestion	Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (volatilization from undisturbed surface soil deemed insignificant, large dilution factor of outdoor air)
	Dust emissions (from wind erosion)	Air	Inhalation	Not Quantified (soil covered with pavement or vegetation, dust emissions insignificant)
Recreational Site User (Continued)				
Surface Water (current and future land-use)	None	Water	Incidental Ingestion Dermal Contact	Quantified Quantified
	Volatilization of VOCs	Air	Inhalation	Not Quantified (large dilution of outdoor air)
	Bioconcentration by Aquatic Organisms	Fish	Ingestion	Quantified
Sediment (current and future land-use)	None Bioaccumulation by Aquatic Organisms	Sediment Fish	Incidental Ingestion Dermal Contact Ingestion	Quantified Quantified Quantified

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
Metals							
Aluminum	1.00E+00	1.40E-03	2.70E-01	ND	ND	ND	0.27
Antimony	4.00E-04	ND	4.00E-05	ND	ND	ND	0.1
Arsenic	3.00E-04	ND	2.85E-04	1.50E+00	1.50E+01	1.58E+00	0.95
Barium	7.00E-02	1.40E-04	6.37E-02	ND	ND	ND	0.91
Beryllium	2.00E-03	5.70E-06	2.00E-05	ND	8.40E+00	ND	0.01
Cadmium (solid media)	1.00E-03	5.70E-05	2.50E-05	ND	6.30E+00	ND	0.025
Cadmium (water)	5.00E-04	5.70E-05	2.50E-05	ND	ND	ND	0.05
Calcium	ND	ND	ND	ND	ND	ND	ND
Chromium III	1.50E+00	ND	7.50E-02	ND	ND	ND	0.05
Chromium VI	3.00E-03	2.90E-05	1.50E-04	ND	4.20E+01	ND	0.05
Cobalt	6.00E-02	5.70E-06	1.08E-02	ND	ND	ND	0.18
Copper	4.00E-02	ND	2.40E-02	ND	ND	ND	0.6
Cyanide	2.00E-02	ND	ND	ND	ND	ND	ND
Iron	3.00E-01	ND	3.00E-01	ND	ND	ND	1
Lead	ND	ND	ND	ND	ND	ND	ND
Magnesium	ND	ND	ND	ND	ND	ND	ND
Manganese	4.70E-02	1.40E-05	2.35E-03	ND	ND	ND	0.05
Mercury	3.00E-04	8.60E-05	2.10E-05	ND	ND	ND	0.07
Methyl mercury	1.00E-04	ND	9.50E-05	ND	ND	ND	0.95
Molybdenum	5.00E-03	ND	3.50E-03	ND	ND	ND	0.7
Nickel	2.00E-02	ND	8.00E-04	ND	8.40E-01	ND	0.04
Potassium	ND	ND	ND	ND	ND	ND	ND
Sodium	ND	ND	ND	ND	ND	ND	ND
Selenium	5.00E-03	ND	4.00E-03	ND	ND	ND	0.8
Silver	5.00E-03	ND	ND	ND	ND	ND	NA
Thallium	6.50E-05	ND	6.50E-05	ND	ND	ND	1
Vanadium	7.00E-03	ND	1.40E-04	ND	ND	ND	0.02
Zinc	3.00E-01	ND	7.50E-02	ND	ND	ND	0.25
Volatile Organic Compounds							
Acetone	1.00E-01	ND	8.30E-02	ND	ND	ND	0.83
Benzene	3.00E-03	1.70E-03	3.00E-03	2.90E-02	2.90E-02	2.90E-02	1
Bis(2-chloroethyl)ether	ND	ND	ND	1.10E+00	1.10E+00	1.10E+00	1
bis(2-Chloroisopropyl)ether	4.00E-02	ND	4.00E-02	7.00E-02	3.50E-02	7.00E-02	1
Bromobenzene	2.00E-02	2.86E-03	1.80E-02	ND	ND	ND	0.9
Bromochloromethane	6.00E-02	8.60E-01	6.00E-02	ND	ND	ND	1
Bromodichloromethane	2.00E-02	ND	1.80E-02	6.20E-02	ND	6.89E-02	0.9
Bromoform	2.00E-02	ND	1.80E-02	7.90E-03	3.90E-03	8.78E-03	0.9
Bromomethane	1.40E-03	1.40E-03	1.12E-03	ND	ND	ND	0.8
n-Butylbenzene	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
sec-Butylbenzene	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
tert-Butylbenzene	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
Carbon disulfide	1.00E-01	2.00E-01	9.00E-02	ND	ND	ND	0.9
Carbon tetrachloride	7.00E-04	5.70E-04	5.60E-04	1.30E-01	5.30E-02	1.63E-01	0.8
Chlorobenzene	2.00E-02	5.70E-03	2.00E-02	ND	ND	ND	1
Chloroethane	4.00E-01	2.90E+00	4.00E-01	2.90E-03	2.90E-03	2.90E-03	1
Chloroform	1.00E-02	8.60E-05	1.00E-02	6.10E-03	8.10E-02	6.10E-03	1
Chloromethane	4.00E-03	8.60E-02	4.00E-03	1.30E-02	6.30E-03	1.30E-02	1
2-Chloronaphthalene	8.00E-02	ND	8.00E-02	ND	ND	ND	1
m-Chlorotoluene	2.00E-02	ND	2.00E-02	ND	ND	ND	1

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
o-Chlorotoluene	2.00E-02	ND	2.00E-02	ND	ND	ND	1
p-Chlorotoluene	2.00E-02	ND	2.00E-02	ND	ND	ND	1
Cumene	1.00E-01	1.10E-01	9.00E-02	ND	ND	ND	0.9
Dibenzofuran	4.00E-03	ND	2.00E-03	ND	ND	ND	0.5
1,2-Dibromoethane	ND	5.70E-05	ND	8.50E+01	7.60E-01	1.16E+02	0.73
Dibromomethane	1.00E-02	ND	1.00E-02	ND	ND	ND	1
1,2-Dichlorobenzene	9.00E-02	8.60E-03	8.10E-02	ND	ND	ND	0.9
1,3-Dichlorobenzene	9.00E-04	ND	8.10E-04	ND	ND	ND	0.9
1,4-Dichlorobenzene	3.00E-02	2.30E-01	2.70E-02	2.40E-02	2.20E-02	2.67E-02	0.9
Dichlorodifluoromethane	2.00E-01	5.70E-02	1.60E-01	ND	ND	ND	0.8
1,1-Dichloroethane	1.00E-01	1.40E-01	1.00E-01	ND	ND	ND	1
1,2-Dichloroethane	3.00E-02	1.40E-03	3.00E-02	9.10E-02	9.10E-02	9.10E-02	1
1,1-Dichloroethene	9.00E-03	ND	9.00E-03	6.00E-01	1.80E-01	6.00E-01	1
2-Butanone	6.00E-01	2.90E-01	5.40E-01	ND	ND	ND	0.9
cis-1,2-Dichloroethene	1.00E-02	ND	1.00E-02	ND	ND	ND	1
trans-1,2-Dichloroethene	2.00E-02	ND	2.00E-02	ND	ND	ND	1
1,2-Dichloroethene	9.00E-03	ND	9.00E-03	ND	ND	ND	1
1,1-Dichloropropene	3.00E-04	5.70E-03	2.70E-04	ND	ND	ND	0.9
cis-1,3-Dichloropropene	3.00E-04	5.70E-03	2.70E-04	1.80E-01	1.30E-01	2.00E-01	0.9
trans-1,3-Dichloropropene	3.00E-04	5.70E-03	2.70E-04	1.80E-01	1.30E-01	2.00E-01	0.9
1,2-Dichloropropane	ND	1.10E-03	ND	6.80E-02	ND	7.56E-02	0.9
1,3-Dichloropropane	ND	1.10E-03	ND	ND	ND	ND	0.9
2,2-Dichloropropane	ND	1.10E-03	ND	ND	ND	ND	0.9
Ethylbenzene	1.00E-01	2.90E-01	9.20E-02	ND	ND	ND	0.92
2-Hexanone	4.00E-02	1.40E-03	3.60E-02	ND	ND	ND	0.9
Isopropylbenzene	1.00E-01	1.10E-01	9.00E-02	ND	ND	ND	0.9
Methyl Chloride	4.00E-03	8.60E-02	4.00E-03	1.30E-02	6.30E-03	1.30E-02	1
Methylene Chloride	6.00E-02	8.60E-01	6.00E-02	7.50E-03	1.60E-03	7.50E-03	1
Methyl Isobutyl Ketone	8.00E-02	2.00E-02	7.20E-02	ND	ND	ND	0.9
4-Methyl-2-Pentanone	8.00E-02	2.00E-02	7.20E-02	ND	ND	ND	0.9
n-Propylbenzene	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
Naphthalene	2.00E-02	8.60E-04	2.00E-02	ND	ND	ND	1
Nitrobenzene	5.00E-04	6.00E-04	5.00E-04	ND	ND	ND	1
4-Nitrophenol	8.00E-03	ND	6.40E-03	ND	ND	ND	0.8
o-Nitrotoluene	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
p-Nitrotoluene	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
p-Cymene	2.00E-01	ND	1.80E-01	ND	ND	ND	0.9
Styrene	2.00E-01	2.90E-01	2.00E-01	ND	ND	ND	1
1,1,1,2-Tetrachloroethane	3.00E-02	ND	2.10E-02	2.60E-02	2.60E-02	3.71E-02	0.7
1,1,2,2-Tetrachloroethane	6.00E-02	ND	4.20E-02	2.00E-01	2.00E-01	2.86E-01	0.7
Tetrachloroethene	1.00E-02	1.70E-01	1.00E-02	5.20E-02	2.00E-03	5.20E-02	1
Toluene	2.00E-01	1.10E-01	2.00E-01	ND	ND	ND	1
1,2,3-Trichlorobenzene	1.00E-03	ND	9.00E-04	ND	ND	ND	0.9
1,2,4-Trichlorobenzene	1.00E-02	5.70E-02	9.00E-03	ND	ND	ND	0.9
1,3,5-Trichlorobenzene	1.00E-03	ND	9.00E-04	ND	ND	ND	0.9
1,1,1-Trichloroethane	2.00E-01	2.90E-01	2.00E-01	ND	ND	ND	1
1,1,2-Trichloroethane	4.00E-03	ND	4.00E-03	5.70E-02	5.70E-02	5.70E-02	1
Trichloroethene	6.00E-03	ND	5.40E-03	1.10E-02	6.00E-03	1.22E-02	0.9
Trichlorofluoromethane	3.00E-01	2.00E-01	2.40E-01	ND	ND	ND	0.8
1,2,3-Trichloropropane	6.00E-03	ND	4.80E-03	7.00E+00	ND	8.75E+00	0.8
1,2,3-Trimethylbenzene	5.00E-02	1.70E-03	4.00E-02	ND	ND	ND	0.8
1,2,4-Trimethylbenzene	5.00E-02	1.70E-03	4.00E-02	ND	ND	ND	0.8

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
1,3,5-Trimethylbenzene	5.00E-02	1.70E-03	4.00E-02	ND	ND	ND	0.8
Vinyl Chloride	ND	ND	ND	1.90E+00	3.00E-01	1.90E+00	1
Xylenes	2.00E+00	ND	2.00E+00	ND	ND	ND	1
m,p-Xylenes	2.00E+00	ND	2.00E+00	ND	ND	ND	1
o-Xylene	2.00E+00	ND	2.00E+00	ND	ND	ND	1
1,2-Dimethylbenzene	2.00E+00	ND	2.00E+00	ND	ND	ND	1

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
Semi-Volatile Organic Compounds							
Acenaphthene	6.00E-02	ND	3.00E-02	ND	ND	ND	0.5
Acenaphthylene	6.00E-02	ND	3.00E-02	ND	ND	ND	0.5
Anthracene	3.00E-01	ND	2.10E-01	ND	ND	ND	0.7
Benzo(a)anthracene	ND	ND	ND	7.30E-01	3.10E-01	1.46E+00	0.5
Benzo(b)fluoranthene	ND	ND	ND	7.30E-01	3.10E-01	1.46E+00	0.5
Benzo(k)fluoranthene	ND	ND	ND	7.30E-02	3.10E-02	1.46E-01	0.5
Benzo(g,h,I)perylene	3.00E-02	ND	1.50E-02	ND	ND	ND	0.5
Benzo(a)pyrene	ND	ND	ND	7.30E+00	3.10E+00	1.46E+01	0.5
Benzoic Acid	4.00E+00	ND	4.00E+00	ND	ND	ND	1
bis(2-Chloroethoxy)methane	3.00E-03	ND	2.40E-03	ND	ND	ND	0.8
bis(2-Ethylhexyl)phthalate	2.00E-02	ND	1.00E-02	1.40E-02	1.40E-02	2.80E-02	0.5
4-Bromodiphenyl Ether	5.80E-02	ND	2.90E-02	ND	ND	ND	0.5
Butyl benzyl phthalate	2.00E-01	ND	1.00E-01	ND	ND	ND	0.5
Carbazole	ND	ND	ND	2.00E-02	ND	4.00E-02	0.5
4-Chloroaniline	4.00E-03	ND	4.00E-03	ND	ND	ND	1
4-Chlorodiphenyl ether	5.80E-02	ND	2.90E-02	ND	ND	ND	0.5
4-Chloro-3-methylphenol	5.00E-03	ND	4.25E-03	ND	ND	ND	0.85
2-Chlorophenol	5.00E-03	ND	5.00E-03	ND	ND	ND	1
Chrysene	ND	ND	ND	7.30E-03	3.10E-03	9.13E-03	0.8
Dibenz(a,h)anthracene	ND	ND	ND	7.30E+00	3.10E+00	9.13E+00	0.8
Dibromochloromethane	2.00E-02	ND	1.80E-02	8.40E-02	ND	9.33E-02	0.9
3,3'-Dichlorobenzidine	ND	ND	ND	4.50E-01	ND	5.00E-01	0.9
2,4-Dichlorophenol	3.00E-03	ND	3.00E-03	ND	ND	ND	1
2,6-Dichlorophenol	3.00E-03	ND	3.00E-03	ND	ND	ND	1
Diethyl phthalate	8.00E-01	ND	4.00E-01	ND	ND	ND	0.5
2,4-Dimethylphenol	2.00E-02	ND	1.60E-02	ND	ND	ND	0.8
Dimethyl phthalate	ND	ND	ND	ND	ND	ND	0.5
4,6-Dintro-2-methylphenol	1.00E-04	ND	5.00E-05	ND	ND	ND	0.5
2,4-Dinitrophenol	2.00E-03	ND	1.00E-03	ND	ND	ND	0.5
Di-n-butyl phthalate	1.00E-01	ND	9.00E-02	ND	ND	ND	0.9
Di-n-octyl phthalate	2.00E-02	ND	1.00E-02	ND	ND	ND	0.5
2,4-Dinitrotoluene	2.00E-03	ND	2.00E-03	6.80E-01	ND	6.80E-01	1
2,6-Dinitrotoluene	1.00E-03	ND	1.00E-03	6.80E-01	ND	6.80E-01	1
Fluoranthene	4.00E-02	ND	2.00E-02	ND	ND	ND	0.5
Fluorene	4.00E-02	ND	2.00E-02	ND	ND	ND	0.5
Hexachlorobenzene	8.00E-04	ND	7.20E-04	1.60E+00	1.60E+00	1.78E+00	0.9
Hexachlorobutadiene	2.00E-04	ND	1.80E-04	7.80E-02	7.80E-02	8.67E-02	0.9
Hexachlorocyclopentadiene	7.00E-03	2.00E-05	3.50E-03	ND	ND	ND	0.5
Hexachloroethane	1.00E-03	ND	9.00E-04	1.40E-02	1.40E-02	1.56E-02	0.9
Indeno(1,2,3-cd)pyrene	ND	ND	ND	7.30E-01	3.10E-01	1.46E+00	0.5
Isophorone	2.00E-01	ND	1.00E-01	9.50E-04	ND	1.90E-03	0.5
2-Methylnaphthalene	2.00E-02	8.60E-04	1.60E-02	ND	ND	ND	0.8
4-Methylnaphthalene	2.00E-02	8.60E-04	1.60E-02	ND	ND	ND	0.8
2-Methylphenol	5.00E-02	ND	4.25E-02	ND	ND	ND	0.85
4-Methylphenol	5.00E-03	ND	4.25E-03	ND	ND	ND	0.85
2-Nitroaniline	3.00E-04	5.70E-05	2.85E-04	ND	ND	ND	0.95
3-Nitroaniline	3.00E-04	ND	2.85E-04	ND	ND	ND	0.95
4-Nitroaniline	3.00E-03	ND	2.85E-03	ND	ND	ND	0.95
2-Nitrophenol	8.00E-03	ND	4.00E-03	ND	ND	ND	0.5
N-Nitrosodiphenylamine	ND	ND	ND	4.90E-03	ND	4.90E-03	1
N-Nitrosodi-n-propylamine	ND	ND	ND	7.00E+00	ND	7.00E+00	1

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
Pentachlorophenol	3.00E-02	ND	3.00E-02	1.20E-01	ND	1.20E-01	1
Phenanthrene	3.00E-01	ND	1.50E-01	ND	ND	ND	0.5
Phenol	6.00E-01	ND	5.70E-01	ND	ND	ND	0.95
Pyrene	3.00E-02	ND	2.40E-02	ND	ND	ND	0.8
2,4,5-Trichlorophenol	1.00E-01	ND	9.00E-02	ND	ND	ND	0.9
2,4,6-Trichlorophenol	ND	ND	ND	1.10E-02	1.10E-02	1.22E-02	0.9
Pesticides/PCBs (using SVOC equations)							
Aldrin	3.00E-05	ND	1.50E-05	1.70E+01	1.70E+01	3.40E+01	0.5
PCBs (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
PCBs (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1016 (solid media, food chain)	7.00E-05	ND	6.30E-05	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1016 (water)	7.00E-05	ND	6.30E-05	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1221 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1221 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1232 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1232 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1242 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1242 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1248 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1248 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1254 (solid media, food chain)	2.00E-05	ND	1.80E-05	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1254 (water)	2.00E-05	ND	1.80E-05	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1260 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1260 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1262 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1262 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1268 (solid media, food chain)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Aroclor 1268 (water)	ND	ND	ND	2.00E+00	2.00E+00	2.00E+00	0.9
Azinphos-methyl	9.00E-05	ND	7.20E-05	ND	ND	ND	0.8
alpha-BHC	ND	ND	ND	6.30E+00	6.30E+00	6.49E+00	0.97
beta-BHC	ND	ND	ND	1.80E+00	1.80E+00	1.98E+00	0.91
gamma-BHC (Lindane)	3.00E-04	ND	3.00E-04	1.30E+00	ND	1.30E+00	1
delta-BHC	3.00E-04	ND	2.76E-04	ND	ND	ND	0.92
Bolstar	2.50E-05	ND	2.25E-05	ND	ND	ND	0.9
Chlordane	5.00E-04	2.00E-04	4.00E-04	3.50E-01	3.50E-01	4.38E-01	0.8
Chlorpyrifos	3.00E-03	ND	2.70E-03	ND	ND	ND	0.9
Coumaphos	2.50E-05	ND	2.25E-05	ND	ND	ND	0.9
Dalapon	3.00E-02	ND	2.10E-02	ND	ND	ND	0.7
DDD	ND	ND	ND	2.40E-01	ND	2.67E-01	0.9
4,4'-DDD	ND	ND	ND	2.40E-01	ND	2.67E-01	0.9
DDE	ND	ND	ND	3.40E-01	ND	3.78E-01	0.9
4,4'-DDE	ND	ND	ND	3.40E-01	ND	3.78E-01	0.9
DDT	5.00E-04	ND	4.50E-04	3.40E-01	3.40E-01	3.78E-01	0.9
4,4'-DDT	5.00E-04	ND	4.50E-04	3.40E-01	3.40E-01	3.78E-01	0.9
Demeton	4.00E-05	ND	4.00E-05	ND	ND	ND	1
Diazinon	9.00E-04	ND	7.20E-04	ND	ND	ND	0.8
Dieldrin	5.00E-05	ND	2.50E-05	1.60E+01	1.60E+01	3.20E+01	0.5
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.70E-05	ND	1.40E+00	2.40E-03	1.56E+00	0.9
Dichlorvos	5.00E-04	1.40E-04	5.00E-04	2.90E-01	ND	2.90E-01	1
Dimethoate	2.00E-04	ND	2.00E-04	ND	ND	ND	1
Dinoseb	1.00E-01	ND	1.00E-01	ND	ND	ND	1

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
Disulfoton	4.00E-05	ND	3.72E-05	ND	ND	ND	0.93
Endosulfan	6.00E-03	ND	4.80E-03	ND	ND	ND	0.8
Endosulfan II	6.00E-03	ND	4.80E-03	ND	ND	ND	0.8
Endodulfan sulfate	6.00E-03	ND	4.80E-03	ND	ND	ND	0.8
Endrin	3.00E-04	ND	1.50E-04	ND	ND	ND	0.5
Endrin aldehyde	3.00E-05	ND	1.50E-05	ND	ND	ND	0.5
Endrin Ketone	3.00E-05	ND	1.50E-05	ND	ND	ND	0.5
Ethoprop	4.00E-06	ND	3.72E-06	ND	ND	ND	0.93
Famphur	2.50E-05	ND	2.25E-05	ND	ND	ND	0.9
Fensulfothion	2.50E-05	ND	2.25E-05	ND	ND	ND	0.9
Fenthion	2.50E-05	ND	2.25E-05	ND	ND	ND	0.9
Heptachlor	5.00E-04	ND	4.15E-04	4.50E+00	4.50E+00	5.42E+00	0.83
Heptachlor Epoxide	1.30E-05	ND	1.08E-05	9.10E+00	9.10E+00	1.10E+01	0.83
Malathion	2.00E-02	ND	1.72E-02	ND	ND	ND	0.86
Merphos	3.00E-05	ND	2.70E-05	ND	ND	ND	0.9
Methoxychlor	5.00E-03	ND	5.00E-03	ND	ND	ND	1
Methyl parathion	2.50E-04	ND	2.25E-04	ND	ND	ND	0.9
Mevinphos	2.50E-05	ND	2.13E-05	ND	ND	ND	0.85
Naled	2.00E-03	ND	1.80E-03	ND	ND	ND	0.9
Parathion	6.00E-03	ND	5.40E-03	ND	ND	ND	0.9
Phorate	2.00E-04	ND	2.00E-04	ND	ND	ND	1
Ronnel	5.00E-02	ND	4.50E-02	ND	ND	ND	0.9
Stirophos	3.00E-02	ND	3.00E-02	ND	ND	ND	1
Sulfotep	5.00E-04	ND	4.50E-04	ND	ND	ND	0.9
Thionazin	9.00E-05	ND	8.10E-05	ND	ND	ND	0.9
Tokuthion	5.00E-03	ND	4.50E-03	ND	ND	ND	0.9
Toxaphene	ND	ND	ND	1.10E+00	1.10E+00	1.22E+00	0.9
Trichloronate	5.00E-03	ND	4.50E-03	ND	ND	ND	0.9
O,O,O-Triethyl phosphorothioate	2.50E-06	ND	2.25E-06	ND	ND	ND	0.9
Herbicides (using SVOC equations)							
2,4-D	1.00E-02	ND	1.00E-02	ND	ND	ND	1
2,4-DB	8.00E-03	ND	8.00E-03	ND	ND	ND	1
Dicamba	3.00E-02	ND	3.00E-02	ND	ND	ND	1
Dichloroprop	8.00E-04	ND	7.20E-04	ND	ND	ND	0.9
MCPA	5.00E-04	ND	4.65E-04	ND	ND	ND	0.93
MCPP	1.00E-03	ND	9.30E-04	ND	ND	ND	0.93
2,4,5-T	1.00E-02	ND	9.20E-03	ND	ND	ND	0.92
2,4,5-TP	8.00E-03	ND	7.20E-03	ND	ND	ND	0.9
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)							
TCDD	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	ND	ND	ND	1.50E+05	1.10E+05	1.67E+05	0.9
TCDF	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
1,2,3,4,6,7,8-Heptachlorodibenzofuran	ND	ND	ND	1.50E+03	1.10E+03	1.67E+03	0.9
HpCDD	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	ND	ND	ND	1.50E+03	1.10E+03	1.67E+03	0.9
HpCDF	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	ND	ND	ND	1.50E+03	1.10E+03	1.67E+03	0.9
1,2,3,4,7,8-Hexachlorodibenzofuran	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9

Table 2-2

Toxicity Values*
Fort McClellan, Calhoun County, Alabama

Chemical	Oral Reference Dose (mg/kg-day)	Inhalation Reference Dose (mg/kg-day)	Dermal Reference Dose (mg/kg-day)	Oral Slope Factor (mg/kg-day)-1	Inhalation Slope Factor (mg/kg-day)-1	Dermal Slope Factor (mg/kg-day)-1	GAF
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
1,2,3,6,7,8-Hexachlorodibenzofuran	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
HxCDF	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
HxCDD	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
2,3,4,6,7,8-Hexachlorodibenzofuran	ND	ND	ND	1.50E+04	1.10E+04	1.67E+04	0.9
PeCDD	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	ND	ND	ND	7.50E+04	5.50E+04	8.33E+04	0.9
PeCDF	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	ND	ND	ND	7.50E+03	5.50E+03	8.33E+03	0.9
2,3,4,7,8-Pentachlorodibenzofuran	ND	ND	ND	7.50E+04	5.50E+04	8.33E+04	0.9
Octochlorodibenzofuran	ND	ND	ND	1.50E+02	1.10E+02	1.67E+02	0.9
Octochlorodibenzo-p-dioxin	ND	ND	ND	1.50E+02	1.10E+02	1.67E+02	0.9
Chemical Agent Breakdown (using SVOC equations)							
p-Chlorophenylmethylsulfone	5.00E-04	ND	4.50E-04	ND	ND	ND	0.9
p-Chlorophenylmethylsulfoxide	5.00E-04	ND	4.50E-04	ND	ND	ND	0.9
1,4-Dithiane	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
1,4-Oxathiane	1.00E-03	ND	9.00E-04	ND	ND	ND	0.9
Thiodiglycol	4.00E-02	5.70E-03	3.60E-02	ND	ND	ND	0.9
Diisopropylmethylphosphonic Acid (DIMP)	8.00E-02	ND	7.20E-02	ND	ND	ND	0.9
Dimethylmethylphosphonic Acid (DMMP)	8.00E-02	ND	7.20E-02	ND	ND	ND	0.9
Ethylmethylphosphonic Acid	8.00E-02	ND	7.20E-02	ND	ND	ND	0.9
Isopropylmethylphosphonic Acid (IMPA)	1.00E-01	ND	9.00E-02	ND	ND	ND	0.9
Methylphosphonic Acid	8.00E-02	ND	7.20E-02	ND	ND	ND	0.9
Explosives (using SVOC equations)							
2-Amino-4,6-dinitrotoluene	6.00E-05	ND	3.60E-05	ND	ND	ND	0.6
4-Amino-2,6-dinitrotoluene	6.00E-05	ND	3.60E-05	ND	ND	ND	0.6
1,3-Dinitrobenzene	1.00E-04	ND	8.00E-05	ND	ND	ND	0.8
2,4-Dinitrotoluene	2.00E-03	ND	2.00E-03	6.80E-01	ND	6.80E-01	1
2,6-Dinitrotoluene	1.00E-03	ND	1.00E-03	6.80E-01	ND	6.80E-01	1
HMX	5.00E-02	ND	7.50E-03	ND	ND	ND	0.15
RDX	3.00E-03	ND	2.85E-03	1.00E-01	ND	1.05E-01	0.95
Tetryl	1.00E-02	ND	9.00E-03	ND	ND	ND	0.9
1,3,5-Trinitrobenzene	3.00E-02	ND	1.80E-02	ND	ND	ND	0.6
2,4,6-Trinitrotoluene	5.00E-04	ND	3.00E-04	3.00E-02	ND	5.00E-02	0.6

mg/kg-day = Milligram per kilogram-day
GAF = Gastrointestinal absorption factor
ND = No data

NA = Not applicable
*See Toxicological Profiles for references (Appendix B)

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
Metals										
Aluminum	ND	4.00E-03	1.50E-03	1.04E-04	1.00E-03	ND	ND	NA	1.00E-03	26.98
Antimony	1.00E+00	2.00E-01	1.00E-03	3.48E-03	1.00E-03	ND	ND	NA	1.00E-03	121.75
Arsenic	4.40E+01	4.00E-02	2.00E-03	1.39E-03	1.00E-03	ND	ND	NA	1.00E-03	74.92
Barium	ND	1.50E-01	1.50E-04	3.92E-04	1.00E-03	ND	ND	NA	1.00E-03	137.33
Beryllium	1.90E+01	1.00E-02	1.00E-03	1.74E-04	1.00E-02	ND	ND	NA	1.00E-03	9.01
Cadmium (solid media)	NA	5.50E-01	5.50E-04	5.26E-03	1.00E-02	ND	ND	NA	NA	112.41
Cadmium (water)	8.10E+01	NA	NA	NA	NA	ND	ND	NA	1.00E-03	112.41
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.60E+01	7.50E-03	5.50E-03	7.18E-04	1.00E-03	ND	ND	NA	1.00E-03	52
Chromium VI	1.60E+01	7.50E-03	5.50E-03	7.18E-04	1.00E-03	ND	ND	NA	1.00E-03	52
Cobalt	ND	2.00E-02	2.00E-02	6.96E-03	1.00E-03	ND	ND	NA	4.00E-04	58.93
Copper	2.00E+02	4.00E-01	1.00E-02	6.96E-02	1.00E-03	ND	ND	NA	1.00E-03	63.55
Cyanide	ND	NA	NA	NA	NA	ND	ND	-0.25	NA	27.03
Iron	ND	4.00E-03	2.00E-02	1.39E-03	1.00E-03	ND	ND	NA	1.00E-03	55.85
Lead	4.90E+01	4.50E-02	3.00E-04	2.35E-04	1.00E-03	ND	ND	NA	4.00E-06	207.20
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	ND	2.50E-01	4.00E-04	1.74E-03	1.00E-03	ND	ND	NA	1.00E-03	54.94
Mercury	5.50E+03	9.00E-01	2.50E-01	3.92E+00	1.00E-03	ND	2.8	NA	1.00E-03	200.59
Methyl mercury	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA
Molybdenum	ND	2.50E-01	6.00E-03	2.61E-02	1.00E-03	ND	ND	NA	1.00E-03	95.95
Nickel	4.70E+01	6.00E-02	6.00E-03	6.26E-03	1.00E-03	ND	ND	NA	1.00E-04	58.69
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.60E+01	2.50E-02	1.50E-02	6.53E-03	1.00E-03	ND	ND	NA	1.00E-03	78.96
Silver	3.08E+03	4.00E-01	3.00E-03	2.09E-02	NA	ND	ND	NA	NA	107.87
Thallium	ND	4.00E-03	4.00E-02	2.78E-03	1.00E-03	ND	ND	NA	1.00E-03	204.38
Vanadium	ND	5.50E-03	2.50E-03	2.39E-04	1.00E-03	ND	ND	NA	1.00E-03	50.94
Zinc	4.70E+01	1.50E+00	1.00E-01	2.61E+00	1.00E-03	ND	ND	NA	6.00E-04	65.39
Volatile Organic Compounds										
Acetone	ND	ND	ND	NA	1.00E-02	ND	ND	-0.22	5.88E-04	58.08
Benzene	ND	ND	ND	NA	1.00E-02	ND	ND	2.13	2.10E-02	78.1
Bis(2-chloroethyl)ether	ND	ND	ND	NA	1.00E-02	ND	ND	1.29	2.10E-03	143
bis(2-Chloroisopropyl)ether	ND	ND	ND	NA	1.00E-02	ND	ND	2.58	1.17E-02	171.07
Bromobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	2.99	2.79E-02	157.02
Bromochloromethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.41	3.10E-03	129.38
Bromodichloromethane	ND	ND	ND	NA	1.00E-02	ND	ND	2.09	5.80E-03	163.8
Bromoform	ND	ND	ND	NA	1.00E-02	ND	ND	2.37	2.60E-03	252.8
Bromomethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.19	3.50E-03	95
n-Butylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	4.41	3.91E-01	134.22
sec-Butylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	4.24	2.96E-01	134.22
tert-Butylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	4.09	2.32E-01	134.22
Carbon disulfide	ND	ND	ND	NA	1.00E-02	ND	ND	2.24	2.40E-02	80
Carbon tetrachloride	ND	ND	ND	NA	1.00E-02	ND	ND	2.83	2.20E-02	153.8

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
Chlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	2.84	4.10E-02	112.6
Chloroethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.43	8.00E-03	64.5
Chloroform	ND	ND	ND	NA	1.00E-02	ND	ND	1.97	8.90E-03	119.4
Chloromethane	ND	ND	ND	NA	1.00E-02	ND	ND	0.91	4.20E-03	50.5
2-Chloronaphthalene	ND	ND	ND	NA	1.00E-02	ND	ND	3.98	1.50E-02	162.61
m-Chlorotoluene	ND	ND	ND	NA	1.00E-02	ND	ND	ND	7.45E-02	126.59
o-Chlorotoluene	ND	ND	ND	NA	1.00E-02	ND	ND	ND	7.45E-02	126.59
p-Chlorotoluene	ND	ND	ND	NA	1.00E-02	ND	ND	3.33	7.45E-02	126.59
Cumene	ND	ND	ND	NA	1.00E-02	ND	ND	3.66	1.40E-01	120.19
Dibenzofuran	ND	ND	ND	NA	1.00E-02	ND	ND	4.12	1.51E-01	168.2
1,2-Dibromoethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.96	3.30E-03	187.87
Dibromomethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.22	1.22E-03	173.83
1,2-Dichlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.38	6.12E-02	147
1,3-Dichlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.6	8.70E-02	147
1,4-Dichlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.39	6.20E-02	147
Dichlorodifluoromethane	ND	ND	ND	NA	1.00E-02	ND	ND	2.16	1.20E-02	120.91
1,1-Dichloroethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.79	8.90E-03	99
1,2-Dichloroethane	ND	ND	ND	NA	1.00E-02	ND	ND	1.48	5.30E-03	99
1,1-Dichloroethene	ND	ND	ND	NA	1.00E-02	ND	ND	2.13	1.60E-02	96.9
2-Butanone	ND	ND	ND	NA	1.00E-02	ND	ND	0.29	1.10E-03	72
cis-1,2-Dichloroethene	ND	ND	ND	NA	1.00E-02	ND	ND	1.68	7.62E-03	96.9
trans-1,2-Dichloroethene	ND	ND	ND	NA	1.00E-02	ND	ND	1.98	1.24E-02	96.9
1,2-Dichloroethene	ND	ND	ND	NA	1.00E-02	ND	ND	1.68	7.62E-03	96.9
1,1-Dichloropropene	ND	ND	ND	NA	1.00E-02	ND	ND	ND	1.13E-02	110.97
cis-1,3-Dichloropropene	ND	ND	ND	NA	1.00E-02	ND	ND	1.6	5.50E-03	110.97
trans-1,3-Dichloropropene	ND	ND	ND	NA	1.00E-02	ND	ND	1.6	5.50E-03	110.97
1,2-Dichloropropane	ND	ND	ND	NA	1.00E-02	ND	ND	2	1.00E-02	112.99
1,3-Dichloropropane	ND	ND	ND	NA	1.00E-02	ND	ND	2	1.00E-02	112.99
2,2-Dichloropropane	ND	ND	ND	NA	1.00E-02	ND	ND	ND	1.03E-02	112.99
Ethylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.15	7.40E-02	106.2
2-Hexanone	ND	ND	ND	NA	1.00E-02	ND	ND	1.38	4.46E-03	100.16
Isopropylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.66	1.40E-01	120.19
Methyl Chloride	ND	ND	ND	NA	1.00E-02	ND	ND	0.91	4.20E-03	50.5
Methylene Chloride	ND	ND	ND	NA	1.00E-02	ND	ND	1.25	4.50E-03	84.9
Methyl Isobutyl Ketone	ND	ND	ND	NA	1.00E-02	ND	ND	1.2	3.32E-03	100.16
4-Methyl-2-Pentanone	ND	ND	ND	NA	1.00E-02	ND	ND	1.2	3.32E-03	100.16
n-Propylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.59	1.25E-01	120.19
Naphthalene	ND	ND	ND	NA	1.00E-02	ND	ND	3.3	6.90E-02	128.2
Nitrobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	1.83	6.74E-02	123.11
4-Nitrophenol	ND	ND	ND	NA	1.00E-02	ND	ND	1.91	6.10E-03	139.1
o-Nitrotoluene	ND	ND	ND	NA	1.00E-02	ND	ND	2.3	1.19E-02	137.13
p-Nitrotoluene	ND	ND	ND	NA	1.00E-02	ND	ND	2.37	1.34E-02	137.13
p-Cymene	ND	ND	ND	NA	1.00E-02	ND	ND	4.1	2.36E-01	134.2
Styrene	ND	ND	ND	NA	1.00E-02	ND	ND	2.95	5.50E-02	104.15
1,1,1,2-T[illegible]loroethane	ND	ND	ND	[illegible]A	1.00E-02	ND	ND	2.66	1.40E-02	[illegible]67.85

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
1,1,2,2-Tetrachloroethane	ND	ND	ND	NA	1.00E-02	ND	ND	2.39	9.00E-03	167.9
Tetrachloroethene	ND	ND	ND	NA	1.00E-02	ND	ND	3.4	4.80E-02	165.8
Toluene	ND	ND	ND	NA	1.00E-02	ND	ND	2.73	4.50E-02	92.1
1,2,3-Trichlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	4.05	1.12E-01	181.45
1,2,4-Trichlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.98	9.98E-02	181.45
1,3,5-Trichlorobenzene	ND	ND	ND	NA	1.00E-02	ND	ND	4.19	1.41E-01	181.45
1,1,1-Trichloroethane	ND	ND	ND	NA	1.00E-02	ND	ND	2.49	1.70E-02	133.4
1,1,2-Trichloroethane	ND	ND	ND	NA	1.00E-02	ND	ND	2.05	8.40E-03	133.4
Trichloroethene	ND	ND	ND	NA	1.00E-02	ND	ND	2.42	1.60E-02	131.4
Trichlorofluoromethane	ND	ND	ND	NA	1.00E-02	ND	ND	2.53	1.70E-02	137.4
1,2,3-Trichloropropane	ND	ND	ND	NA	1.00E-02	ND	ND	2.27	9.83E-03	147.43
1,2,3-Trimethylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.61	1.29E-01	120.19
1,2,4-Trimethylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.72	1.54E-01	120.19
1,3,5-Trimethylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.54	1.15E-01	120.19
Vinyl Chloride	ND	ND	ND	NA	1.00E-02	ND	ND	1.36	7.30E-03	62.5
Xylenes	ND	ND	ND	NA	1.00E-02	ND	ND	3.2	8.00E-02	106.2
m,p-Xylenes	ND	ND	ND	NA	1.00E-02	ND	ND	3.2	8.00E-02	106.2
o-Xylene	ND	ND	ND	NA	1.00E-02	ND	ND	3.2	8.00E-02	106.2
1,2-Dimethylbenzene	ND	ND	ND	NA	1.00E-02	ND	ND	3.2	8.00E-02	106.2
Semi-Volatile Organic Compounds										
Acenaphthene	6.76E+02	1.94E-01	2.40E-04	8.09E-04	1.00E-02	ND	ND	3.98	1.46E-01	154.21
Acenaphthylene	8.14E+02	1.72E-01	2.95E-04	8.83E-04	1.00E-02	ND	ND	4.07	1.69E-01	154.2
Anthracene	1.77E+03	1.04E-01	7.08E-04	1.28E-03	1.00E-02	ND	ND	4.45	2.25E-01	178.2
Benzo(a)anthracene	1.35E+04	2.07E-02	1.15E-02	4.14E-03	1.00E-02	ND	ND	5.66	8.10E-01	228.3
Benzo(b)fluoranthene	1.70E+04	1.12E-02	3.31E-02	6.47E-03	1.00E-02	ND	ND	6.12	1.20E+00	252.3
Benzo(k)fluoranthene	1.70E+04	1.22E-02	2.88E-02	6.11E-03	1.00E-02	ND	ND	6.06	1.11E+00	252.3
Benzo(g,h,I)perylene	1.38E+04	6.78E-03	7.94E-02	9.37E-03	1.00E-02	ND	ND	6.5	1.62E+00	276.34
Benzo(a)pyrene	1.69E+04	1.07E-02	3.63E-02	6.73E-03	1.00E-02	ND	ND	6.16	1.20E+00	252.3
Benzoic Acid	8.23E+00	3.21E+00	1.86E-06	1.04E-04	1.00E-02	ND	ND	1.87	7.30E-03	122
bis(2-Chloroethoxy)methane	7.88E-01	1.43E+01	1.41E-07	3.51E-05	1.00E-02	ND	ND	0.75	5.71E-04	173.05
bis(2-Ethylhexyl)phthalate	6.19E+03	4.31E-02	3.24E-03	2.43E-03	4.00E-03	ND	ND	5.11	3.30E-02	391
4-Bromodiphenyl ether	7.69E+03	3.62E-02	4.37E-03	2.75E-03	1.00E-02	ND	ND	5.24	3.03E-01	249.11
Butyl benzyl phthalate	1.63E+03	1.09E-01	6.46E-04	1.23E-03	4.00E-03	ND	ND	4.41	5.16E-02	312.4
Carbazole	2.89E+02	3.35E-01	9.33E-05	5.43E-04	1.00E-02	ND	ND	3.57	6.23E-02	167.2
4-Chloroaniline	8.23E+00	3.21E+00	1.86E-06	1.04E-04	1.00E-02	ND	ND	1.87	6.75E-03	127.57
4-Chlorodiphenyl ether	8.31E+02	1.70E-01	3.02E-04	8.92E-04	1.00E-02	ND	ND	4.08	8.48E-02	204.65
4-Chloro-3-methylphenol	1.08E+02	6.25E-01	3.16E-05	3.44E-04	1.00E-02	ND	ND	3.1	5.00E-02	142.58
2-Chlorophenol	1.51E+01	2.19E+00	3.63E-06	1.38E-04	1.00E-02	ND	ND	2.16	1.10E-02	128.6
Chrysene	1.35E+04	2.07E-02	1.15E-02	4.14E-03	1.00E-02	ND	ND	5.66	8.10E-01	228.3
Dibenz(a,h)anthracene	8.66E+03	4.31E-03	1.74E-01	1.30E-02	1.00E-02	ND	ND	6.84	2.70E+00	278.4
Dibromochloromethane	1.75E+01	1.99E+00	4.27E-06	1.48E-04	1.00E-02	ND	ND	2.23	3.90E-03	208.3
3,3'-Dichlorobenzidine	2.55E+02	3.62E-01	8.13E-05	5.13E-04	1.00E-02	ND	ND	3.51	1.70E-02	253.1
2,4-Dichlorophenol	7.43E+01	7.95E-01	2.09E-05	2.89E-04	1.00E-02	ND	ND	2.92	2.30E-02	163
2,6-Dichlorophenol	5.20E+01	9.97E-01	1.41E-05	2.45E-04	1.00E-02	ND	ND	2.75	1.73E-02	163

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
Diethyl phthalate	2.89E+01	1.45E+00	7.41E-06	1.87E-04	4.00E-03	ND	ND	2.47	4.80E-03	222
2,4-Dimethylphenol	2.03E+01	1.81E+00	5.01E-06	1.58E-04	1.00E-02	ND	ND	2.3	1.50E-02	122.2
Dimethyl phthalate	4.30E+00	4.86E+00	9.12E-07	7.71E-05	4.00E-03	ND	ND	1.56	2.20E-03	194
4,6-Dintro-2-methylphenol	3.49E+01	1.28E+00	9.12E-06	2.04E-04	1.00E-02	ND	ND	2.56	7.75E-03	198.13
2,4-Dinitrophenol	4.12E+00	4.99E+00	8.71E-07	7.56E-05	1.00E-02	ND	ND	1.54	1.80E-03	184.1
Di-n-butyl phthalate	9.21E+02	1.59E-01	3.39E-04	9.36E-04	4.00E-03	ND	ND	4.13	3.30E-02	278.4
Di-n-octyl phthalate	2.81E+01	1.57E-04	5.37E+01	1.46E-01	4.00E-03	ND	ND	9.33	3.33E+01	390.57
2,4-Dinitrotoluene	1.04E+01	2.78E+00	2.40E-06	1.16E-04	1.00E-02	ND	ND	1.98	3.80E-03	182.1
2,6-Dinitrotoluene	6.01E+00	3.93E+00	1.32E-06	9.00E-05	1.00E-02	ND	ND	1.72	2.50E-03	182.1
Fluoranthene	4.65E+03	5.33E-02	2.24E-03	2.08E-03	1.00E-02	ND	ND	4.95	3.60E-01	202.3
Fluorene	1.02E+03	1.49E-01	3.80E-04	9.83E-04	1.00E-02	ND	ND	4.18	1.17E-01	166.2
Hexachlorobenzene	8.58E+03	3.30E-02	5.13E-03	2.95E-03	1.00E-02	ND	ND	5.31	2.10E-01	284.78
Hexachlorobutadiene	3.38E+03	6.69E-02	1.51E-03	1.76E-03	1.00E-02	ND	ND	4.78	1.20E-02	260.8
Hexachlorocyclopentadiene	4.32E+03	5.62E-02	2.04E-03	2.00E-03	1.00E-02	ND	ND	4.91	1.27E-01	272.77
Hexachloroethane	6.10E+02	2.07E-01	2.14E-04	7.71E-04	1.00E-02	ND	ND	3.93	4.20E-02	236.7
Indeno(1,2,3-cd)pyrene	1.26E+04	6.09E-03	9.55E-02	1.01E-02	1.00E-02	ND	ND	6.58	1.90E+00	276.3
Isophorone	5.77E+00	4.03E+00	1.26E-06	8.83E-05	1.00E-02	ND	ND	1.7	4.20E-03	138.21
2-Methylnaphthalene	5.28E+02	2.27E-01	1.82E-04	7.20E-04	1.00E-02	ND	ND	3.86	1.42E-01	142.2
4-Methylnaphthalene	5.39E+02	2.24E-01	1.86E-04	7.27E-04	1.00E-02	ND	ND	3.87	1.45E-01	142.2
2-Methylphenol	9.74E+00	2.89E+00	2.24E-06	1.13E-04	1.00E-02	ND	ND	1.95	1.00E-02	108.1
4-Methylphenol	9.54E+00	2.93E+00	2.19E-06	1.11E-04	1.00E-02	ND	ND	1.94	1.00E-02	108.1
2-Nitroaniline	7.90E+00	3.30E+00	1.78E-06	1.02E-04	1.00E-02	ND	ND	1.85	5.64E-03	138.13
3-Nitroaniline	2.89E+00	6.25E+00	5.89E-07	6.41E-05	1.00E-02	ND	ND	1.37	2.57E-03	138.13
4-Nitroaniline	3.01E+00	6.09E+00	6.17E-07	6.53E-05	1.00E-02	ND	ND	1.39	2.66E-03	138.13
2-Nitrophenol	8.95E+00	3.05E+00	2.04E-06	1.08E-04	1.00E-02	ND	ND	1.79	5.00E-03	139.1
N-Nitrosodiphenylamine	1.15E+02	6.01E-01	3.39E-05	3.54E-04	1.00E-02	ND	ND	3.13	1.96E-02	198.23
N-Nitrosodi-n-propylamine	2.95E+00	6.17E+00	6.03E-07	6.47E-05	1.00E-02	ND	ND	1.38	2.92E-02	130.19
Pentachlorophenol	1.59E+04	1.59E-02	1.82E-02	5.03E-03	1.00E-02	ND	ND	5.86	6.54E-01	266.4
Phenanthrene	2.24E+03	8.84E-02	9.33E-04	1.44E-03	1.00E-02	ND	ND	4.57	2.30E-01	178.2
Phenol	3.49E+00	5.55E+00	7.24E-07	6.99E-05	1.00E-02	ND	ND	1.46	5.50E-03	94
Pyrene	4.09E+03	5.85E-02	1.91E-03	1.94E-03	1.00E-02	ND	ND	4.88	3.24E-01	202.3
2,4,5-Trichlorophenol	5.39E+02	2.24E-01	1.86E-04	7.27E-04	1.00E-02	ND	ND	3.87	6.65E-02	197.5
2,4,6-Trichlorophenol	3.71E+02	2.85E-01	1.23E-04	6.11E-04	1.00E-02	ND	ND	3.69	5.00E-02	197.5
Pesticides/PCBs (using SVOC equations)										
Aldrin	8.96E+01	7.05E-01	2.57E-05	3.15E-04	1.00E-02	ND	ND	3.01	1.60E-03	365
PCBs (solid media, food chain)	1.05E+04	5.06E-03	1.32E-01	1.16E-02	6.00E-02	1.85E+00	3.24E+00	6.72E+00	7.10E-01	361
PCBs (water)	1.05E+04	NA	NA	NA	NA	1.85E+00	3.24E+00	6.72E+00	7.10E-01	361
Aroclor 1016 (solid media, food chain)	1.27E+04	2.24E-02	1.00E-02	3.91E-03	6.00E-02	1.85E+00	3.24E+00	5.60E+00	7.10E-01	257.9
Aroclor 1016 (water)	1.27E+04	NA	NA	NA	NA	1.85E+00	3.24E+00	5.60E+00	7.10E-01	257.9
Aroclor 1221 (solid media, food chain)	2.90E+03	7.44E-02	1.26E-03	1.63E-03	6.00E-02	1.85E+00	3.24E+00	4.70E+00	7.10E-01	200.7
Aroclor 1221 (water)	2.90E+03	NA	NA	NA	NA	1.85E+00	3.24E+00	4.70E+00	7.10E-01	200.7
Aroclor 1232 (solid media, food chain)	6.08E+03	4.37E-02	3.16E-03	2.40E-03	6.00E-02	1.85E+00	3.24E+00	5.10E+00	7.10E-01	232.2
Aroclor 1232 (water)	6.08E+03	NA	NA	NA	NA	1.85E+00	3.24E+00	5.10E+00	7.10E-01	232.2
Aroclor 1242 (solid media, food chain)	1.27E+04	2.24E-02	1.00E-02	3.91E-03	6.00E-02	1.85E+00	3.24E+00	5.60E+00	7.10E-01	266.5

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
Aroclor 1242 (water)	1.27E+04	NA	NA	NA	NA	1.85E+00	3.24E+00	5.60E+00	7.10E-01	266.5
Aroclor 1248 (solid media, food chain)	1.68E+04	1.01E-02	3.98E-02	7.00E-03	6.00E-02	1.85E+00	3.24E+00	6.20E+00	7.10E-01	299.5
Aroclor 1248 (water)	1.68E+04	NA	NA	NA	NA	1.85E+00	3.24E+00	6.20E+00	7.10E-01	299.5
Aroclor 1254 (solid media, food chain)	1.38E+04	6.78E-03	7.94E-02	9.37E-03	6.00E-02	1.85E+00	3.24E+00	6.50E+00	7.10E-01	328
Aroclor 1254 (water)	1.38E+04	NA	NA	NA	NA	1.85E+00	3.24E+00	6.50E+00	7.10E-01	328
Aroclor 1260 (solid media, food chain)	9.25E+03	4.55E-03	1.58E-01	1.25E-02	6.00E-02	1.85E+00	3.24E+00	6.80E+00	7.10E-01	375.7
Aroclor 1260 (water)	9.25E+03	NA	NA	NA	NA	1.85E+00	3.24E+00	6.80E+00	7.10E-01	375.7
Aroclor 1262 (solid media, food chain)	ND	ND	ND	ND	6.00E-02	1.85E+00	3.24E+00	ND	7.10E-01	389
Aroclor 1262 (water)	ND	NA	NA	NA	NA	1.85E+00	3.24E+00	ND	7.10E-01	389
Aroclor 1268 (solid media, food chain)	ND	ND	ND	ND	6.00E-02	1.85E+00	3.24E+00	ND	7.10E-01	453
Aroclor 1268 (water)	ND	NA	NA	NA	NA	1.85E+00	3.24E+00	ND	7.10E-01	453
Azinphos-methyl	4.89E+01	1.04E+00	1.32E-05	2.38E-04	1.00E-02	ND	ND	2.72E+00	1.89E-03	317.34
alpha-BHC	4.66E+02	2.46E-01	1.58E-04	6.79E-04	1.00E-02	2.45E+00	4.29E+00	3.80E+00	1.60E-02	290.83
beta-BHC	4.96E+02	2.37E-01	1.70E-04	7.00E-04	1.00E-02	2.45E+00	4.29E+00	3.83E+00	1.68E-02	290.83
gamma-BHC (Lindane)	3.95E+02	2.74E-01	1.32E-04	6.29E-04	1.00E-02	6.90E-01	1.21E+00	3.72E+00	1.40E-02	290.83
delta-BHC	9.40E+02	1.57E-01	3.47E-04	9.45E-04	1.00E-02	2.45E+00	4.29E+00	4.14E+00	2.79E-02	290.83
Bolstar	1.09E+04	2.63E-02	7.59E-03	3.48E-03	1.00E-02	ND	ND	5.48E+00	1.60E-01	322.45
Chlordane	1.18E+04	2.43E-02	8.71E-03	3.68E-03	4.20E-02	2.00E+00	3.50E+00	5.54E+00	4.60E-02	410
Chlorpyrifos	4.74E+03	5.26E-02	2.29E-03	2.10E-03	1.00E-02	ND	ND	4.96E+00	4.60E-02	350.59
Coumaphos	9.21E+02	1.59E-01	3.39E-04	9.36E-04	1.00E-02	ND	ND	4.13E+00	9.99E-03	362.78
Dalapon	8.05E-01	1.41E+01	1.45E-07	3.54E-05	1.00E-02	ND	ND	7.60E-01	8.86E-04	143
DDD	1.52E+04	1.72E-02	1.58E-02	4.74E-03	3.00E-02	2.80E-01	4.90E-01	5.80E+00	2.80E-01	320
4,4'-DDD	1.52E+04	1.72E-02	1.58E-02	4.74E-03	3.00E-02	2.80E-01	4.90E-01	5.80E+00	2.80E-01	320
DDE	1.39E+04	1.99E-02	1.23E-02	4.26E-03	3.00E-02	7.70E+00	1.35E+01	5.69E+00	2.40E-01	318
4,4'-DDE	1.39E+04	1.99E-02	1.23E-02	4.26E-03	3.00E-02	7.70E+00	1.35E+01	5.69E+00	2.40E-01	318
DDT	1.55E+04	8.16E-03	5.75E-02	8.17E-03	3.00E-02	1.67E+00	2.92E+00	6.36E+00	4.30E-01	355
4,4'-DDT	1.55E+04	8.16E-03	5.75E-02	8.17E-03	3.00E-02	1.67E+00	2.92E+00	6.36E+00	4.30E-01	355
Demeton	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	258.34
Diazinon	2.11E+02	4.09E-01	6.61E-05	4.70E-04	1.00E-02	ND	ND	3.42E+00	7.11E-03	304.36
Dieldrin	2.20E+03	8.96E-02	9.12E-04	1.42E-03	1.00E-02	6.65E+00	1.16E+01	4.56E+00	1.60E-02	381
1,2-Dibromo-3-chloropropane (DBCP)	8.07E+01	7.54E-01	2.29E-05	3.00E-04	1.00E-02	ND	ND	2.96E+00	8.71E-03	236.36
Dichlorvos	3.56E+00	5.47E+00	7.41E-07	7.06E-05	1.00E-02	ND	ND	1.47E+00	9.50E-04	220.98
Dimethoate	8.39E-01	1.37E+01	1.51E-07	3.61E-05	1.00E-02	ND	ND	7.80E-01	2.72E-04	229.3
Dinoseb	1.99E+01	1.84E+00	4.90E-06	1.57E-04	1.00E-02	ND	ND	2.29E+00	3.65E-03	240.22
Disulfoton	7.35E+02	1.84E-01	2.63E-04	8.41E-04	1.00E-02	ND	ND	4.02E+00	2.89E-02	274.4
Endosulfan	2.39E+02	3.77E-01	7.59E-05	4.98E-04	1.00E-02	ND	ND	3.48E+00	1.86E-03	406.95
Endosulfan II	2.39E+02	3.77E-01	7.59E-05	4.98E-04	1.00E-02	ND	ND	3.48E+00	1.86E-03	406.95
Endodulfan sulfate	2.39E+02	3.77E-01	7.59E-05	4.98E-04	1.00E-02	ND	ND	3.48E+00	1.86E-03	406.95
Endrin	2.20E+03	8.96E-02	9.12E-04	1.42E-03	1.00E-02	ND	ND	4.56E+00	1.62E-02	381
Endrin aldehyde	1.27E+04	2.24E-02	1.00E-02	3.91E-03	1.00E-02	ND	ND	5.60E+00	8.56E-02	380.89
Endrin Ketone	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	380.9
Ethoprop	3.01E+02	3.26E-01	9.77E-05	5.54E-04	1.00E-02	ND	ND	3.59E+00	2.24E-02	242.36
Famphur	1.94E+01	1.86E+00	4.79E-06	1.55E-04	1.00E-02	ND	ND	2.28E+00	8.21E-04	325.36
Fensulfothion	1.75E+01	1.99E+00	4.27E-06	1.48E-04	1.00E-02	ND	ND	2.23E+00	9.60E-04	308.35
Fenthion	8.49E+02	1.67E-01	3.09E-04	9.01E-04	1.00E-02	ND	ND	4.09E+00	3.06E-02	278.33

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
Heptachlor	1.23E+03	1.32E-01	4.68E-04	1.07E-03	1.00E-02	2.00E+00	3.50E+00	4.27E+00	1.10E-02	373.5
Heptachlor Epoxide	9.81E+03	2.93E-02	6.31E-03	3.22E-03	1.00E-02	2.00E+00	3.50E+00	5.40E+00	5.48E-02	389.4
Malathion	2.30E+01	1.67E+00	5.75E-06	1.68E-04	1.00E-02	ND	ND	2.36E+00	8.72E-04	330.36
Merphos	1.55E+03	1.43E-03	1.17E+00	2.92E-02	1.00E-02	ND	ND	7.67E+00	8.03E+00	298.5
Methoxychlor	2.07E+03	9.33E-02	8.51E-04	1.38E-03	1.00E-02	ND	ND	4.53E+00	2.44E-02	345.65
Methyl parathion	6.55E+01	8.61E-01	1.82E-05	2.73E-04	1.00E-02	ND	ND	2.86E+00	5.07E-03	263.23
Mevinphos	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	224.16
Naled	2.95E+00	6.17E+00	6.03E-07	6.47E-05	1.00E-02	ND	ND	1.38E+00	8.65E-05	380.79
Parathion	4.96E+02	2.37E-01	1.70E-04	7.00E-04	1.00E-02	ND	ND	3.83E+00	1.67E-02	291.27
Phorate	5.97E+02	2.10E-01	2.09E-04	7.63E-04	1.00E-02	ND	ND	3.92E+00	2.98E-02	260.4
Ronnel	4.91E+03	5.12E-02	2.40E-03	2.14E-03	1.00E-02	ND	ND	4.98E+00	7.15E-02	321.57
Stirophos	2.66E+02	3.53E-01	8.51E-05	5.23E-04	1.00E-02	ND	ND	3.53E+00	3.58E-03	365.96
Sulfotep	6.90E+02	1.91E-01	2.45E-04	8.17E-04	1.00E-02	ND	ND	3.99E+00	1.40E-02	322.32
Thionazin	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	248.26
Tokuthion	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	345.25
Toxaphene	3.65E+03	6.34E-02	1.66E-03	1.83E-03	1.00E-02	ND	ND	4.82E+00	1.50E-02	414
Trichloronate	7.56E+03	3.67E-02	4.27E-03	2.73E-03	1.00E-02	ND	ND	5.23E+00	9.09E-02	333.6
O,O,O-Triethyl phosphorothioate	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	198.24
Herbicides (using SVOC equations)										
2,4-D	5.90E+01	9.20E-01	1.62E-05	2.60E-04	1.00E-02	ND	ND	2.81E+00	8.45E-03	221.04
2,4-DB	2.66E+02	3.53E-01	8.51E-05	5.23E-04	1.00E-02	ND	ND	3.53E+00	4.54E-03	349.09
Dicamba	1.68E+01	2.04E+00	4.07E-06	1.45E-04	1.00E-02	ND	ND	2.21E+00	3.17E-03	221.04
Dichloroprop	ND	ND	ND	ND	1.00E-02	ND	ND	ND	8.45E-03	235.07
MCPA	1.25E+01	2.46E+00	2.95E-06	1.26E-04	1.00E-02	ND	ND	2.07E+00	3.36E-03	200.63
MCPP	1.15E+02	6.01E-01	3.39E-05	3.54E-04	1.00E-02	ND	ND	3.13E+00	1.56E-02	214.6
2,4,5-T	1.86E+02	4.43E-01	5.75E-05	4.43E-04	1.00E-02	ND	ND	3.36E+00	1.28E-02	255.48
2,4,5-TP	4.66E+02	2.46E-01	1.58E-04	6.79E-04	1.00E-02	ND	ND	3.80E+00	2.16E-02	269.5
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)										
TCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	6.28E+03	3.39E-03	2.63E-01	1.55E-02	1.00E-02	5.90E-02	1.03E-01	7.02E+00	1.40E+00	322
TCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.38E+04	6.78E-03	7.94E-02	9.37E-03	1.00E-02	4.70E-02	8.23E-02	6.50E+00	1.40E+00	322
1,2,3,4,6,7,8-Heptachlorodibenzofuran	7.14E+02	9.20E-04	2.51E+00	4.02E-02	1.00E-02	6.50E-04	1.14E-03	8.00E+00	1.40E+00	322
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	4.42E+02	7.05E-04	3.98E+00	4.89E-02	1.00E-02	3.10E-03	5.43E-03	8.20E+00	1.40E+00	322
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	7.14E+02	9.20E-04	2.51E+00	4.02E-02	1.00E-02	2.30E-02	4.03E-02	8.00E+00	1.40E+00	322
1,2,3,4,7,8-Hexachlorodibenzofuran	2.29E+03	1.79E-03	7.94E-01	2.47E-02	1.00E-02	4.50E-03	7.88E-03	7.50E+00	1.40E+00	322
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.15E+03	1.20E-03	1.58E+00	3.31E-02	1.00E-02	1.80E-02	3.15E-02	7.80E+00	1.40E+00	322
1,2,3,6,7,8-Hexachlorodibenzofuran	2.29E+03	1.79E-03	7.94E-01	2.47E-02	1.00E-02	1.10E-02	1.93E-02	7.50E+00	1.40E+00	322
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.15E+03	1.20E-03	1.58E+00	3.31E-02	1.00E-02	7.30E-03	1.28E-02	7.80E+00	1.40E+00	322
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,[illegible]xachlorodibenzofuran	2.29E+03	1.79E-03	7.94E-01	[illegible]E-02	1.00E-02	3.70E-02	6.48E-02	7.50E+00	1.40E+00	322

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.15E+03	1.20E-03	1.58E+00	3.31E-02	1.00E-02	8.10E-03	1.42E-02	7.80E+00	1.40E+00	322
2,3,4,6,7,8-Hexachlorodibenzofuran	2.29E+03	1.79E-03	7.94E-01	2.47E-02	1.00E-02	4.00E-02	7.00E-02	7.50E+00	1.40E+00	322
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	2.29E+03	1.79E-03	7.94E-01	2.47E-02	1.00E-02	5.40E-02	9.45E-02	7.50E+00	1.40E+00	322
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	6.52E+03	3.48E-03	2.51E-01	1.52E-02	1.00E-02	1.30E-02	2.28E-02	7.00E+00	1.40E+00	322
2,3,4,7,8-Pentachlorodibenzofuran	6.52E+03	3.48E-03	2.51E-01	1.52E-02	1.00E-02	9.50E-02	1.66E-01	7.00E+00	1.40E+00	322
Octochlorodibenzofuran	1.03E+02	3.17E-04	1.58E+01	8.75E-02	1.00E-02	1.00E-03	1.75E-03	8.80E+00	1.40E+00	322
Octochlorodibenzo-p-dioxin	1.67E+02	4.14E-04	1.00E+01	7.21E-02	1.00E-02	7.40E-04	1.30E-03	8.60E+00	1.40E+00	322
Chemical Agent Breakdown (using SVOC equations)										
p-Chlorophenylmethylsulfone	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	190.65
p-Chlorophenylmethylsulfoxide	ND	ND	ND	ND	1.00E-02	ND	ND	ND	ND	174.65
1,4-Dithiane	ND	ND	ND	ND	1.00E-02	ND	ND	ND	3.60E-04	120.24
1,4-Oxathiane	ND	ND	ND	ND	1.00E-02	ND	ND	ND	3.60E-04	104.18
Thiodiglycol	ND	ND	ND	ND	1.00E-02	ND	ND	ND	1.60E-04	122.18
Diisopropylmethylphosphonic Acid	1.42E+00	9.83E+00	2.69E-07	4.60E-05	1.00E-02	ND	ND	1.03E+00	8.17E-04	180.21
Dimethylmethylphosphonic Acid	1.42E+00	9.83E+00	2.69E-07	4.60E-05	1.00E-02	ND	ND	1.03E+00	1.80E-03	124.08
Ethylmethylphosphonic Acid	1.42E+00	9.83E+00	2.69E-07	4.60E-05	1.00E-02	ND	ND	1.03E+00	1.80E-03	124.08
Isopropylmethylphosphonic Acid	1.42E+00	9.83E+00	2.69E-07	4.60E-05	1.00E-02	ND	ND	1.03E+00	1.48E-03	138.1
Methylphosphonic Acid	1.42E+00	9.83E+00	2.69E-07	4.60E-05	1.00E-02	ND	ND	1.03E+00	2.66E-03	96.02
Explosives (using SVOC equations)										
2-Amino-4,6-dinitrotoluene	4.68E+00	4.60E+00	1.00E-06	8.01E-05	1.00E-02	ND	ND	1.60E+00	1.07E-03	197.17
4-Amino-2,6-dinitrotoluene	4.68E+00	4.60E+00	1.00E-06	8.01E-05	1.00E-02	ND	ND	1.60E+00	1.07E-03	197.17
1,3-Dinitrobenzene	3.71E+00	5.33E+00	7.76E-07	7.20E-05	1.00E-02	ND	ND	1.49E+00	2.05E-03	168.11
2,4-Dinitrotoluene	1.04E+01	2.78E+00	2.40E-06	1.16E-04	1.00E-02	ND	ND	1.98E+00	3.80E-03	182.1
2,6-Dinitrotoluene	6.01E+00	3.93E+00	1.32E-06	9.00E-05	1.00E-02	ND	ND	1.72E+00	2.50E-03	182.1
HMX	2.29E-01	3.13E+01	3.63E-08	1.98E-05	1.00E-02	ND	ND	1.60E-01	3.86E-05	296.2
RDX	1.01E+00	1.22E+01	1.86E-07	3.94E-05	1.00E-02	ND	ND	8.70E-01	3.48E-04	222.26
Tetryl	1.18E+01	2.56E+00	2.75E-06	1.23E-04	1.00E-02	ND	ND	2.04E+00	9.48E-04	287.15
1,3,5-Trinitrobenzene	1.94E+00	8.05E+00	3.80E-07	5.33E-05	1.00E-02	ND	ND	1.18E+00	6.57E-04	213.11
2,4,6-Trinitrotoluene	4.68E+00	4.60E+00	1.00E-06	8.01E-05	1.00E-02	ND	ND	1.60E+00	1.07E-03	227.13

NA = Not applicable or not available
ND = No data
BCF = Bioconcentration factor
Bp = Soil to plant biotransfer factor
Bb = Plant to beef biotransfer factor
Bv = Soil to venison biotransfer factor
ABS = Dermal absorption factor
BSAF = Ratio of the concentration in fish lipid to the concentration in sediment organic carbon
Df = Ratio of the concentration of contaminant in fish to the concentration of contaminant in sediment
Kow = Octanol-water partitioning coefficient
PC = Permeability coefficient

Table 2-3

Chemical-Specific Values*
Fort McClellan, Calhoun County, Alabama

Chemical	BCF (L-water/kg-Fish)	Bp (unitless)	Bb (days/kg)	Bv (mg soil/g venison)	ABS (unitless)	BSAF (unitless)	Df (unitless)	log Kow	PC (cm/hour)	Molecular Weight (g/mole)

MW = Molecular weight
g/mole = Grams per mole

References:
*Please see Toxicological Profiles and/or *Final Installation-Wide Work Plan (IWWP)*, Fort McClellan, Alabama (IT, 1998a) for all references.

Table 2-4

General Variable Names*
Fort McClellan, Calhoun County, Alabama

Pathways	Parameter		Units	Resident	Recreational Site User	Groundskeeper	Construction Worker
General	Body weight (child)	BW	kg	15	45	70	70
	Body weight (adult)	BW	kg	70	NA	NA	NA
	Exposure frequency	EF	days/yr	350	104	250	250
	Exposure duration (child)	ED	years	6	10	NA	NA
	Exposure duration (adult)	ED	years	24	NA	25	1
	Noncancer averaging time (child)	ATn	days	2190	3650	NA	NA
	Noncancer averaging time (adult)	ATn	days	8760	NA	9125	365
	Cancer averaging time	ATc	days	25550	25550	25550	25550
	Conversion factor	CF1	mg/kg	1.00E+06	1.00E+06	1.00E+06	1.00E+06
	Target risk	TR	unitless	1.00E-06	1.00E-06	1.00E-06	1.00E-06
	Target hazard index	THI	unitless	1.00E-01	1.00E-01	1.00E-01	1.00E-01
Surface Water Ingestion	Surface water ingestion rate	IRsw	Liters/day	1	1	NA	NA
	Fraction exposed to contaminated media	FIsw	unitless	1	1	NA	NA
Surface Water Dermal	Fraction exposed to contaminated media	FIsw	unitless	1	1	NA	NA
	Body surface area exposed to surface water	SAsw	cm^2	4000	4000	NA	NA
	Exposure time	ETsw	hour/day	2	2	NA	NA
Groundwater Dermal	Exposure (bathing) time	ETgw	hours/day	0.2	NA	1	1
	Fraction of exposure	FIgw	unitless	1	NA	1	1
	Skin surface area (child)	SAgw	cm^2	7300	NA	NA	NA
	Skin surface area (adult)	SAgw	cm^2	18150	NA	4100	4100
	Age-adjusted body surface area-gw factor	SAWadj	cm^2-yrs/kg-day	9140	NA	NA	NA
Groundwater Ingestion	Drinking water ingestion rate (child)	IRgw	L/day	1	NA	NA	NA
	Drinking water ingestion rate (adult)	IRgw	L/day	2	NA	1	1
	Fraction of exposure	FIgw	unitless	1	NA	1	1
	Age-adjusted drinking water ingestion factor	DWFadj	L-years/kg-day	1.09	NA	NA	NA
Groundwater Inhalation	Age-adjusted groundwater inhalation factor	GWIFadj	L-years/kg-day	0.7	NA	NA	NA

Table 2-4

General Variable Names*
Fort McClellan, Calhoun County, Alabama

(Page 2 of 2)

Pathways	Parameter		Units	Resident	Recreational Site User	Groundskeeper	Construction Worker
Soil Ingestion	Ingestion rate	IRso	mg/day	200	100	100	200
	Fraction of exposure	FIso	unitless	1	0.25	1	1
	Age-adjusted soil ingestion	IFadj	mg-yrs/kg-day	114	NA	NA	NA
Soil Inhalation	Inhalation rate	IRa	m^3/day	NA	NA	20	20
	Fraction of exposure	FIso	unitless	NA	NA	1	1
	Particulate emission factor	PEF	m^3/mg	NA	NA	10	5
Soil Dermal	Skin surface area (child)	SAso	cm^2/day	1800	5250	NA	NA
	Skin surface area (adult)	SAso	cm^2/day	NA	NA	5250	5250
	Fraction of exposure	FIso	unitless	1	0.25	1	1
	Age-adjusted body surface area-soil factor	SASadj	cm^2-yrs/kg-day	2520	NA	NA	NA
	Soil to skin adherence factor	AFso	mg/cm^2	0.07	0.04	0.01	0.1
Sediment Ingestion	Ingestion rate	IRsd	mg/day	100	100	NA	NA
	Fraction of exposure	FIsd	unitless	0.13	0.13	NA	NA
Sediment Dermal	Skin surface area	SAsd	cm^2/day	5250	5250	NA	NA
	Fraction of exposure	FIsd	unitless	0.13	0.13	NA	NA
	Sediment to skin adherence factor	AFsd	mg/cm^2	0.29	0.29	NA	NA
Fish Consumption	Fraction exposed to contaminated media	FIsw	unitless	1	1	NA	NA
	Age-adjusted fish consumption rate	FCadj	g-yrs/kg-day	18.6	18.6	NA	NA
	Fish consumption	FC	g/day	14	14	NA	NA
	Exposure duration	ED	years	6	6	NA	NA
	Body weight	BW	kg	15	15	NA	NA
	Averaging time (noncancer)	ATn	days	2190	2190	NA	NA
Venison Ingestion	Fraction exposed to contaminated media	FIso	unitless	1	1	NA	NA
	Venison consumption rate	VC	g/day	30	30	NA	NA
	Averaging time (noncancer)	ATn	days	3650	3650	NA	NA
	Exposure duration	ED	years	10	10	NA	NA
	Body weight	BW	kg	45	45	NA	NA

*See text for description and documentation of variables

Table 2-5

Soil-Residential SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Inorganics								
Aluminum	1.56E+06	2.00E+02	4.67E-01	7.80E+03	7.30E+01	NA	NA	NA
Antimony	1.56E+06	5.00E+05	3.15E+03	3.11E+00	7.30E+01	NA	NA	NA
Arsenic	1.56E+06	6.67E+05	4.42E+02	2.34E+00	7.30E+01	1.71E+02	2.79E-01	4.26E-01
Barium	1.56E+06	2.86E+03	1.98E+00	5.47E+02	7.30E+01	NA	NA	NA
Beryllium	1.56E+06	1.00E+05	6.30E+04	9.60E+00	7.30E+01	NA	NA	NA
Cadmium (solid media)	1.56E+06	2.00E+05	5.04E+04	6.25E+00	7.30E+01	NA	NA	NA
Cadmium (water)	NA	NA	NA	NA	NA	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.56E+06	1.33E+02	1.68E+00	1.16E+04	7.30E+01	NA	NA	NA
Chromium VI	1.56E+06	6.67E+04	8.40E+02	2.32E+01	7.30E+01	NA	NA	NA
Cobalt	1.56E+06	3.33E+03	1.17E+01	4.68E+02	7.30E+01	NA	NA	NA
Copper	1.56E+06	5.00E+03	5.25E+00	3.13E+02	7.30E+01	NA	NA	NA
Cyanide	1.56E+06	1.00E+04	NA	1.56E+02	7.30E+01	NA	NA	NA
Iron	1.56E+06	6.67E+02	4.20E-01	2.34E+03	7.30E+01	NA	NA	NA
Lead[b]	NA	NA	NA	4.00E+02	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.56E+06	4.26E+03	5.36E+01	3.63E+02	7.30E+01	NA	NA	NA
Mercury	1.56E+06	6.67E+05	6.00E+03	2.33E+00	7.30E+01	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	1.56E+06	4.00E+04	3.60E+01	3.91E+01	7.30E+01	NA	NA	NA
Nickel	1.56E+06	1.00E+04	1.58E+02	1.54E+02	7.30E+01	NA	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.56E+06	4.00E+04	3.15E+01	3.91E+01	7.30E+01	NA	NA	NA
Silver	1.56E+06	4.00E+04	NA	3.91E+01	7.30E+01	NA	NA	NA
Thallium	1.56E+06	3.08E+06	1.94E+03	5.08E-01	7.30E+01	NA	NA	NA
Vanadium	1.56E+06	2.86E+04	9.00E+02	5.31E+01	7.30E+01	NA	NA	NA
Zinc	1.56E+06	6.67E+02	1.68E+00	2.34E+03	7.30E+01	NA	NA	NA
Volatile Organic Compounds								
Acetone	1.56E+06	2.00E+03	1.52E+01	7.76E+02	7.30E+01	NA	NA	NA
Benzene	1.56E+06	6.67E+04	4.20E+02	2.33E+01	7.30E+01	3.31E+00	5.12E-02	2.17E+01
Bis(2-chloroethyl)ether	1.56E+06	NA	NA	NA	7.30E+01	1.25E+02	1.94E+00	5.73E-01
bis(2-Chloroisopropyl)ether	1.56E+06	5.00E+03	3.15E+01	3.11E+02	7.30E+01	7.98E+00	1.23E-01	9.01E+00
Bromobenzene	1.56E+06	1.00E+04	7.00E+01	1.55E+02	7.30E+01	NA	NA	NA
Bromochloromethane	1.56E+06	3.33E+03	2.10E+01	4.66E+02	7.30E+01	NA	NA	NA
Bromodichloromethane	1.56E+06	1.00E+04	7.00E+01	1.55E+02	7.30E+01	7.07E+00	1.22E-01	1.02E+01
Bromoform	1.56E+06	1.00E+04	7.00E+01	1.55E+02	7.30E+01	9.01E-01	1.55E-02	7.97E+01
Bromomethane	1.56E+06	1.43E+05	1.13E+03	1.09E+01	7.30E+01	NA	NA	NA
n-Butylbenzene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
sec-Butylbenzene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
tert-Butylbenzene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
Carbon disulfide	1.56E+06	2.00E+03	1.40E+01	7.77E+02	7.30E+01	NA	NA	NA
Carbon tetrachloride	1.56E+06	2.86E+05	2.25E+03	5.43E+00	7.30E+01	1.48E+01	2.87E-01	4.83E+00
Chlorobenzene	1.56E+06	1.00E+04	6.30E+01	1.55E+02	7.30E+01	NA	NA	NA
Chloroethane	1.56E+06	5.00E+02	3.15E+00	3.11E+03	7.30E+01	3.31E-01	5.12E-03	2.17E+02
Chloroform	1.56E+06	2.00E+04	1.26E+02	7.77E+01	7.30E+01	6.95E-01	1.08E-02	1.03E+02
Chloromethane	1.56E+06	5.00E+04	3.15E+02	3.11E+01	7.30E+01	1.48E+00	2.29E-02	4.85E+01
2-Chloronaphthalene	1.56E+06	2.50E+03	1.58E+01	6.22E+02	7.30E+01	NA	NA	NA
m-Chlorotoluene	1.56E+06	1.00E+04	6.30E+01	1.55E+02	7.30E+01	NA	NA	NA
o-Chlorotoluene	1.56E+06	1.00E+04	6.30E+01	1.55E+02	7.30E+01	NA	NA	NA
p-Chlorotoluene	1.56E+06	1.00E+04	6.30E+01	1.55E+02	7.30E+01	NA	NA	NA
Cumene	1.56E+06	2.00E+03	1.40E+01	7.77E+02	7.30E+01	NA	NA	NA
Dibenzofuran	1.56E+06	5.00E+04	6.30E+02	3.09E+01	7.30E+01	NA	NA	NA
1,2-Dibromoethane	1.56E+06	NA	NA	NA	7.30E+01	9.69E+03	2.05E+02	7.38E-03

Table 2-5

Soil-Residential SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Dibromomethane	1.56E+06	2.00E+04	1.26E+02	7.77E+01	7.30E+01	NA	NA	NA
1,2-Dichlorobenzene	1.56E+06	2.22E+03	1.56E+01	6.99E+02	7.30E+01	NA	NA	NA
1,3-Dichlorobenzene	1.56E+06	2.22E+05	1.56E+03	6.99E+00	7.30E+01	NA	NA	NA
1,4-Dichlorobenzene	1.56E+06	6.67E+03	4.67E+01	2.33E+02	7.30E+01	2.74E+00	4.70E-02	2.62E+01
Dichlorodifluoromethane	1.56E+06	1.00E+03	7.88E+00	1.55E+03	7.30E+01	NA	NA	NA
1,1-Dichloroethane	1.56E+06	2.00E+03	1.26E+01	7.77E+02	7.30E+01	NA	NA	NA
1,2-Dichloroethane	1.56E+06	6.67E+03	4.20E+01	2.33E+02	7.30E+01	1.04E+01	1.61E-01	6.93E+00
1,1-Dichloroethene	1.56E+06	2.22E+04	1.40E+02	7.00E+01	7.30E+01	6.84E+01	1.06E+00	1.05E+00
2-Butanone	1.56E+06	3.33E+02	2.33E+00	4.66E+03	7.30E+01	NA	NA	NA
cis-1,2-Dichloroethene	1.56E+06	2.00E+04	1.26E+02	7.77E+01	7.30E+01	NA	NA	NA
trans-1,2-Dichloroethene	1.56E+06	1.00E+04	6.30E+01	1.55E+02	7.30E+01	NA	NA	NA
1,2-Dichloroethene	1.56E+06	2.22E+04	1.40E+02	7.00E+01	7.30E+01	NA	NA	NA
1,1-Dichloropropene	1.56E+06	6.67E+05	4.67E+03	2.33E+00	7.30E+01	NA	NA	NA
cis-1,3-Dichloropropene	1.56E+06	6.67E+05	4.67E+03	2.33E+00	7.30E+01	2.05E+01	3.53E-01	3.50E+00
trans-1,3-Dichloropropene	1.56E+06	6.67E+05	4.67E+03	2.33E+00	7.30E+01	2.05E+01	3.53E-01	3.50E+00
1,2-Dichloropropane	1.56E+06	NA	NA	NA	7.30E+01	7.75E+00	1.33E-01	9.26E+00
1,3-Dichloropropane	1.56E+06	NA	NA	NA	7.30E+01	NA	NA	NA
2,2-Dichloropropane	1.56E+06	NA	NA	NA	7.30E+01	NA	NA	NA
Ethylbenzene	1.56E+06	2.00E+03	1.37E+01	7.77E+02	7.30E+01	NA	NA	NA
2-Hexanone	1.56E+06	5.00E+03	3.50E+01	3.11E+02	7.30E+01	NA	NA	NA
Isopropylbenzene	1.56E+06	2.00E+03	1.40E+01	7.77E+02	7.30E+01	NA	NA	NA
Methyl Chloride	1.56E+06	5.00E+04	3.15E+02	3.11E+01	7.30E+01	1.48E+00	2.29E-02	4.85E+01
Methylene Chloride	1.56E+06	3.33E+03	2.10E+01	4.66E+02	7.30E+01	8.55E-01	1.32E-02	8.41E+01
Methyl Isobutyl Ketone	1.56E+06	2.50E+03	1.75E+01	6.21E+02	7.30E+01	NA	NA	NA
4-Methyl-2-Pentanone	1.56E+06	2.50E+03	1.75E+01	6.21E+02	7.30E+01	NA	NA	NA
n-Propylbenzene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
Naphthalene	1.56E+06	1.00E+04	6.30E+01	1.55E+02	7.30E+01	NA	NA	NA
Nitrobenzene	1.56E+06	4.00E+05	2.52E+03	3.89E+00	7.30E+01	NA	NA	NA
4-Nitrophenol	1.56E+06	2.50E+04	1.97E+02	6.21E+01	7.30E+01	NA	NA	NA
o-Nitrotoluene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
p-Nitrotoluene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
p-Cymene	1.56E+06	1.00E+03	7.00E+00	1.55E+03	7.30E+01	NA	NA	NA
Styrene	1.56E+06	1.00E+03	6.30E+00	1.55E+03	7.30E+01	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.56E+06	6.67E+03	6.00E+01	2.33E+02	7.30E+01	2.96E+00	6.55E-02	2.41E+01
1,1,2,2-Tetrachloroethane	1.56E+06	3.33E+03	3.00E+01	4.65E+02	7.30E+01	2.28E+01	5.04E-01	3.13E+00
Tetrachloroethene	1.56E+06	2.00E+04	1.26E+02	7.77E+01	7.30E+01	5.93E+00	9.17E-02	1.21E+01
Toluene	1.56E+06	1.00E+03	6.30E+00	1.55E+03	7.30E+01	NA	NA	NA
1,2,3-Trichlorobenzene	1.56E+06	2.00E+05	1.40E+03	7.77E+00	7.30E+01	NA	NA	NA
1,2,4-Trichlorobenzene	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
1,3,5-Trichlorobenzene	1.56E+06	2.00E+05	1.40E+03	7.77E+00	7.30E+01	NA	NA	NA
1,1,1-Trichloroethane	1.56E+06	1.00E+03	6.30E+00	1.55E+03	7.30E+01	NA	NA	NA
1,1,2-Trichloroethane	1.56E+06	5.00E+04	3.15E+02	3.11E+01	7.30E+01	6.50E+00	1.01E-01	1.11E+01
Trichloroethene	1.56E+06	3.33E+04	2.33E+02	4.66E+01	7.30E+01	1.25E+00	2.16E-02	5.72E+01
Trichlorofluoromethane	1.56E+06	6.67E+02	5.25E+00	2.33E+03	7.30E+01	NA	NA	NA
1,2,3-Trichloropropane	1.56E+06	3.33E+04	2.63E+02	4.66E+01	7.30E+01	7.98E+02	1.54E+01	8.97E-02
1,2,3-Trimethylbenzene	1.56E+06	4.00E+03	3.15E+01	3.88E+02	7.30E+01	NA	NA	NA
1,2,4-Trimethylbenzene	1.56E+06	4.00E+03	3.15E+01	3.88E+02	7.30E+01	NA	NA	NA
1,3,5-Trimethylbenzene	1.56E+06	4.00E+03	3.15E+01	3.88E+02	7.30E+01	NA	NA	NA
Vinyl Chloride	1.56E+06	NA	NA	NA	7.30E+01	2.17E+02	3.35E+00	3.32E-01
Xylenes	1.56E+06	1.00E+02	6.30E-01	1.55E+04	7.30E+01	NA	NA	NA
m,p-Xylenes	1.56E+06	1.00E+02	6.30E-01	1.55E+04	7.30E+01	NA	NA	NA
o-Xylene	1.56E+06	1.00E+02	6.30E-01	1.55E+04	7.30E+01	NA	NA	NA
1,2-Dimethylbenzene	1.56E+06	1.00E+02	6.30E-01	1.55E+04	7.30E+01	NA	NA	NA
Semi-Volatile Organic Compounds								
Acenaphthene	1.56E+06	3.33E+03	4.20E+01	4.63E+02	7.30E+01	NA	NA	NA
Acenaphthylene	1.56E+06	3.33E+03	4.20E+01	4.63E+02	7.30E+01	NA	NA	NA

Table 2-5

Soil-Residential SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Anthracene	1.56E+06	6.67E+02	6.00E+00	2.33E+03	7.30E+01	NA	NA	NA
Benzo(a)anthracene	1.56E+06	NA	NA	NA	7.30E+01	8.32E+01	2.58E+00	8.51E-01
Benzo(b)fluoranthene	1.56E+06	NA	NA	NA	7.30E+01	8.32E+01	2.58E+00	8.51E-01
Benzo(k)fluoranthene	1.56E+06	NA	NA	NA	7.30E+01	8.32E+00	2.58E-01	8.51E+00
Benzo(g,h,i)perylene	1.56E+06	6.67E+03	8.40E+01	2.32E+02	7.30E+01	NA	NA	NA
Benzo(a)pyrene	1.56E+06	NA	NA	NA	7.30E+01	8.32E+02	2.58E+01	8.51E-02
Benzoic Acid	1.56E+06	5.00E+01	3.15E-01	3.11E+04	7.30E+01	NA	NA	NA
bis(2-Chloroethoxy)methane	1.56E+06	6.67E+04	5.25E+02	2.33E+01	7.30E+01	NA	NA	NA
bis(2-ethylhexyl)phthalate	1.56E+06	1.00E+04	5.04E+01	1.56E+02	7.30E+01	1.60E+00	1.98E-02	4.52E+01
4-Bromodiphenyl ether	1.56E+06	3.45E+03	4.34E+01	4.48E+02	7.30E+01	NA	NA	NA
Butyl benzyl phthalate	1.56E+06	1.00E+03	5.04E+00	1.56E+03	7.30E+01	NA	NA	NA
Carbazole	1.56E+06	NA	NA	NA	7.30E+01	2.28E+00	7.06E-02	3.11E+01
4-Chloroaniline	1.56E+06	5.00E+04	3.15E+02	3.11E+01	7.30E+01	NA	NA	NA
4-Chlorodiphenyl ether	1.56E+06	3.45E+03	4.34E+01	4.48E+02	7.30E+01	NA	NA	NA
4-Chloro-3-methylphenol	1.56E+06	4.00E+04	2.96E+02	3.88E+01	7.30E+01	NA	NA	NA
2-Chlorophenol	1.56E+06	4.00E+04	2.52E+02	3.89E+01	7.30E+01	NA	NA	NA
Chrysene	1.56E+06	NA	NA	NA	7.30E+01	8.32E-01	1.61E-02	8.61E+01
Dibenz(a,h)anthracene	1.56E+06	NA	NA	NA	7.30E+01	8.32E+02	1.61E+01	8.61E-02
Dibromochloromethane	1.56E+06	1.00E+04	7.00E+01	1.55E+02	7.30E+01	9.58E+00	1.65E-01	7.49E+00
3,3'-Dichlorobenzidine	1.56E+06	NA	NA	NA	7.30E+01	5.13E+01	8.82E-01	1.40E+00
2,4-Dichlorophenol	1.56E+06	6.67E+04	4.20E+02	2.33E+01	7.30E+01	NA	NA	NA
2,6-Dichlorophenol	1.56E+06	6.67E+04	4.20E+02	2.33E+01	7.30E+01	NA	NA	NA
Diethyl phthalate	1.56E+06	2.50E+02	1.26E+00	6.23E+03	7.30E+01	NA	NA	NA
2,4-Dimethylphenol	1.56E+06	1.00E+04	7.88E+01	1.55E+02	7.30E+01	NA	NA	NA
Dimethyl phthalate	1.56E+06	NA	NA	NA	7.30E+01	NA	NA	NA
4,6-Dintro-2-methylphenol	1.56E+06	2.00E+06	2.52E+04	7.72E-01	7.30E+01	NA	NA	NA
2,4-Dinitrophenol	1.56E+06	1.00E+05	1.26E+03	1.54E+01	7.30E+01	NA	NA	NA
Di-n-butyl phthalate	1.56E+06	2.00E+03	5.60E+00	7.80E+02	7.30E+01	NA	NA	NA
Di-n-octyl phthalate	1.56E+06	1.00E+04	5.04E+01	1.56E+02	7.30E+01	NA	NA	NA
2,4-Dinitrotoluene	1.56E+06	1.00E+05	6.30E+02	1.55E+01	7.30E+01	7.75E+01	1.20E+00	9.27E-01
2,6-Dinitrotoluene	1.56E+06	2.00E+05	1.26E+03	7.77E+00	7.30E+01	7.75E+01	1.20E+00	9.27E-01
Fluoranthene	1.56E+06	5.00E+03	6.30E+01	3.09E+02	7.30E+01	NA	NA	NA
Fluorene	1.56E+06	5.00E+03	6.30E+01	3.09E+02	7.30E+01	NA	NA	NA
Hexachlorobenzene	1.56E+06	2.50E+05	1.75E+03	6.21E+00	7.30E+01	1.82E+02	3.14E+00	3.93E-01
Hexachlorobutadiene	1.56E+06	1.00E+06	7.00E+03	1.55E+00	7.30E+01	8.89E+00	1.53E-01	8.07E+00
Hexachlorocyclopentadiene	1.56E+06	2.86E+04	3.60E+02	5.41E+01	7.30E+01	NA	NA	NA
Hexachloroethane	1.56E+06	2.00E+05	1.40E+03	7.77E+00	7.30E+01	1.60E+00	2.74E-02	4.50E+01
Indeno(1,2,3-cd)pyrene	1.56E+06	NA	NA	NA	7.30E+01	8.32E+01	2.58E+00	8.51E-01
Isophorone	1.56E+06	1.00E+03	1.26E+01	1.54E+03	7.30E+01	1.08E-01	3.35E-03	6.54E+02
2-Methylnaphthalene	1.56E+06	1.00E+04	7.88E+01	1.55E+02	7.30E+01	NA	NA	NA
4-Methylnaphthalene	1.56E+06	1.00E+04	7.88E+01	1.55E+02	7.30E+01	NA	NA	NA
2-Methylphenol	1.56E+06	4.00E+03	2.96E+01	3.88E+02	7.30E+01	NA	NA	NA
4-Methylphenol	1.56E+06	4.00E+04	2.96E+02	3.88E+01	7.30E+01	NA	NA	NA
2-Nitroaniline	1.56E+06	6.67E+05	4.42E+03	2.33E+00	7.30E+01	NA	NA	NA
3-Nitroaniline	1.56E+06	6.67E+05	4.42E+03	2.33E+00	7.30E+01	NA	NA	NA
4-Nitroaniline	1.56E+06	6.67E+04	4.42E+02	2.33E+01	7.30E+01	NA	NA	NA
2-Nitrophenol	1.56E+06	2.50E+04	1.97E+02	6.21E+01	7.30E+01	NA	NA	NA
N-Nitrosodiphenylamine	1.56E+06	NA	NA	NA	7.30E+01	5.59E-01	8.64E-03	1.29E+02
N-Nitrosodi-n-propylamine	1.56E+06	NA	NA	NA	7.30E+01	7.98E+02	1.23E+01	9.01E-02
Pentachlorophenol	1.56E+06	6.67E+03	4.20E+01	2.33E+02	7.30E+01	1.37E+01	2.12E-01	5.25E+00
Phenanthrene	1.56E+06	6.67E+02	8.40E+00	2.32E+03	7.30E+01	NA	NA	NA
Phenol	1.56E+06	3.33E+02	2.21E+00	4.66E+03	7.30E+01	NA	NA	NA
Pyrene	1.56E+06	6.67E+03	5.25E+01	2.33E+02	7.30E+01	NA	NA	NA
2,4,5-Trichlorophenol	1.56E+06	2.00E+03	1.40E+01	7.77E+02	7.30E+01	NA	NA	NA
2,4,6-Trichlorophenol	1.56E+06	NA	NA	NA	7.30E+01	1.25E+00	2.16E-02	5.72E+01

Pesticides/PCBs (using SVOC equations)

Table 2-5

Soil-Residential SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Aldrin	1.56E+06	6.67E+06	8.40E+04	2.32E-01	7.30E+01	1.94E+03	6.00E+01	3.65E-02
PCBs (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
PCBs (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	1.56E+06	2.86E+06	1.20E+05	5.25E-01	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	1.56E+06	1.00E+07	4.20E+05	1.50E-01	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	1.56E+06	NA	NA	NA	7.30E+01	2.28E+02	2.12E+01	2.93E-01
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Azinphos-methyl	1.56E+06	2.22E+06	1.75E+04	6.98E-01	7.30E+01	NA	NA	NA
alpha-BHC	1.56E+06	NA	NA	NA	7.30E+01	7.18E+02	1.15E+01	1.00E-01
beta-BHC	1.56E+06	NA	NA	NA	7.30E+01	2.05E+02	3.49E+00	3.50E-01
gamma-BHC (Lindane)	1.56E+06	6.67E+05	4.20E+03	2.33E+00	7.30E+01	1.48E+02	2.29E+00	4.85E-01
delta-BHC	1.56E+06	6.67E+05	4.57E+03	2.33E+00	7.30E+01	NA	NA	NA
Bolstar	1.56E+06	8.00E+06	5.60E+04	1.94E-01	7.30E+01	NA	NA	NA
Chlordane	1.56E+06	4.00E+05	1.32E+04	3.79E+00	7.30E+01	3.99E+01	3.24E+00	1.69E+00
Chlorpyrifos	1.56E+06	6.67E+04	4.67E+02	2.33E+01	7.30E+01	NA	NA	NA
Coumaphos	1.56E+06	8.00E+06	5.60E+04	1.94E-01	7.30E+01	NA	NA	NA
Dalapon	1.56E+06	6.67E+03	6.00E+01	2.33E+02	7.30E+01	NA	NA	NA
DDD	1.56E+06	NA	NA	NA	7.30E+01	2.74E+01	1.41E+00	2.54E+00
4,4'-DDD	1.56E+06	NA	NA	NA	7.30E+01	2.74E+01	1.41E+00	2.54E+00
DDE	1.56E+06	NA	NA	NA	7.30E+01	3.88E+01	2.00E+00	1.79E+00
4,4'-DDE	1.56E+06	NA	NA	NA	7.30E+01	3.88E+01	2.00E+00	1.79E+00
DDT	1.56E+06	4.00E+05	8.40E+03	3.83E+00	7.30E+01	3.88E+01	2.00E+00	1.79E+00
4,4'-DDT	1.56E+06	4.00E+05	8.40E+03	3.83E+00	7.30E+01	3.88E+01	2.00E+00	1.79E+00
Demeton	1.56E+06	5.00E+06	3.15E+04	3.11E-01	7.30E+01	NA	NA	NA
Diazinon	1.56E+06	2.22E+05	1.75E+03	6.98E+00	7.30E+01	NA	NA	NA
Dieldrin	1.56E+06	4.00E+06	5.04E+04	3.86E-01	7.30E+01	1.82E+03	5.64E+01	3.88E-02
1,2-Dibromo-3-chloropropane (DBCP)	1.56E+06	NA	NA	NA	7.30E+01	1.60E+02	2.74E+00	4.50E-01
Dichlorvos	1.56E+06	4.00E+05	2.52E+03	3.89E+00	7.30E+01	3.31E+01	5.12E-01	2.17E+00
Dimethoate	1.56E+06	1.00E+06	6.30E+03	1.55E+00	7.30E+01	NA	NA	NA
Dinoseb	1.56E+06	2.00E+03	1.26E+01	7.77E+02	7.30E+01	NA	NA	NA
Disulfoton	1.56E+06	5.00E+06	3.39E+04	3.11E-01	7.30E+01	NA	NA	NA
Endosulfan	1.56E+06	3.33E+04	2.63E+02	4.66E+01	7.30E+01	NA	NA	NA
Endosulfan II	1.56E+06	3.33E+04	2.63E+02	4.66E+01	7.30E+01	NA	NA	NA
Endodulfan sulfate	1.56E+06	3.33E+04	2.63E+02	4.66E+01	7.30E+01	NA	NA	NA
Endrin	1.56E+06	6.67E+05	8.40E+03	2.32E+00	7.30E+01	NA	NA	NA
Endrin aldehyde	1.56E+06	6.67E+06	8.40E+04	2.32E-01	7.30E+01	NA	NA	NA
Endrin Ketone	1.56E+06	6.67E+06	8.40E+04	2.32E-01	7.30E+01	NA	NA	NA
Ethoprop	1.56E+06	5.00E+07	3.39E+05	3.11E-02	7.30E+01	NA	NA	NA
Famphur	1.56E+06	8.00E+06	5.60E+04	1.94E-01	7.30E+01	NA	NA	NA
Fensulfothion	1.56E+06	8.00E+06	5.60E+04	1.94E-01	7.30E+01	NA	NA	NA
Fenthion	1.56E+06	8.00E+06	5.60E+04	1.94E-01	7.30E+01	NA	NA	NA
Heptachlor	1.56E+06	4.00E+05	3.04E+03	3.88E+00	7.30E+01	5.13E+02	9.56E+00	1.40E-01
Heptachlor Epoxide	1.56E+06	1.54E+07	1.17E+05	1.01E-01	7.30E+01	1.04E+03	1.93E+01	6.91E-02

Table 2-5

Soil-Residential SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Malathion	1.56E+06	1.00E+04	7.33E+01	1.55E+02	7.30E+01	NA	NA	NA
Merphos	1.56E+06	6.67E+06	4.67E+04	2.33E-01	7.30E+01	NA	NA	NA
Methoxychlor	1.56E+06	4.00E+04	2.52E+02	3.89E+01	7.30E+01	NA	NA	NA
Methyl parathion	1.56E+06	8.00E+05	5.60E+03	1.94E+00	7.30E+01	NA	NA	NA
Mevinphos	1.56E+06	8.00E+06	5.93E+04	1.94E-01	7.30E+01	NA	NA	NA
Naled	1.56E+06	1.00E+05	7.00E+02	1.55E+01	7.30E+01	NA	NA	NA
Parathion	1.56E+06	3.33E+04	2.33E+02	4.66E+01	7.30E+01	NA	NA	NA
Phorate	1.56E+06	1.00E+06	6.30E+03	1.55E+00	7.30E+01	NA	NA	NA
Ronnel	1.56E+06	4.00E+03	2.80E+01	3.88E+02	7.30E+01	NA	NA	NA
Stirophos	1.56E+06	6.67E+03	4.20E+01	2.33E+02	7.30E+01	NA	NA	NA
Sulfotep	1.56E+06	4.00E+05	2.80E+03	3.88E+00	7.30E+01	NA	NA	NA
Thionazin	1.56E+06	2.22E+06	1.56E+04	6.99E-01	7.30E+01	NA	NA	NA
Tokuthion	1.56E+06	4.00E+04	2.80E+02	3.88E+01	7.30E+01	NA	NA	NA
Toxaphene	1.56E+06	NA	NA	NA	7.30E+01	1.25E+02	2.16E+00	5.72E-01
Trichloronate	1.56E+06	4.00E+04	2.80E+02	3.88E+01	7.30E+01	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.56E+06	8.00E+07	5.60E+05	1.94E-02	7.30E+01	NA	NA	NA
Herbicides (using SVOC equations)								
2,4-D	1.56E+06	2.00E+04	1.26E+02	7.77E+01	7.30E+01	NA	NA	NA
2,4-DB	1.56E+06	2.50E+04	1.58E+02	6.22E+01	7.30E+01	NA	NA	NA
Dicamba	1.56E+06	6.67E+03	4.20E+01	2.33E+02	7.30E+01	NA	NA	NA
Dichloroprop	1.56E+06	2.50E+05	1.75E+03	6.21E+00	7.30E+01	NA	NA	NA
MCPA	1.56E+06	4.00E+05	2.71E+03	3.88E+00	7.30E+01	NA	NA	NA
MCPP	1.56E+06	2.00E+05	1.35E+03	7.77E+00	7.30E+01	NA	NA	NA
2,4,5-T	1.56E+06	2.00E+04	1.37E+02	7.77E+01	7.30E+01	NA	NA	NA
2,4,5-TP	1.56E+06	2.50E+04	1.75E+02	6.21E+01	7.30E+01	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)								
TCDD	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.56E+06	NA	NA	NA	7.30E+01	1.71E+07	2.94E+05	4.20E-06
TCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+05	2.94E+03	4.20E-04
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.56E+06	NA	NA	NA	7.30E+01	1.71E+05	2.94E+03	4.20E-04
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+05	2.94E+03	4.20E-04
1,2,3,4,7,8-Hexachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
1,2,3,6,7,8-Hexachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
2,3,4,6,7,8-Hexachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+06	2.94E+04	4.20E-05
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.56E+06	NA	NA	NA	7.30E+01	8.55E+06	1.47E+05	8.39E-06
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	8.55E+05	1.47E+04	8.39E-05
2,3,4,7,8-Pentachlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	8.55E+06	1.47E+05	8.39E-06
Octochlorodibenzofuran	1.56E+06	NA	NA	NA	7.30E+01	1.71E+04	2.94E+02	4.20E-03
Octochlorodibenzo-p-dioxin	1.56E+06	NA	NA	NA	7.30E+01	1.71E+04	2.94E+02	4.20E-03
Chemical Agent Breakdown (using SVOC equations)								
p-Chlorophenylmethylsulfone	1.56E+06	4.00E+05	2.80E+03	3.88E+00	7.30E+01	NA	NA	NA

Table 2-5

Soil-Residential SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
p-Chlorophenylmethylsulfoxide	1.56E+06	4.00E+05	2.80E+03	3.88E+00	7.30E+01	NA	NA	NA
1,4-Dithiane	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
1,4-Oxathiane	1.56E+06	2.00E+05	1.40E+03	7.77E+00	7.30E+01	NA	NA	NA
Thiodiglycol	1.56E+06	5.00E+03	3.50E+01	3.11E+02	7.30E+01	NA	NA	NA
Diisopropylmethylphosphonic Acid	1.56E+06	2.50E+03	1.75E+01	6.21E+02	7.30E+01	NA	NA	NA
Dimethylmethylphosphonic Acid	1.56E+06	2.50E+03	1.75E+01	6.21E+02	7.30E+01	NA	NA	NA
Ethylmethylphosphonic Acid	1.56E+06	2.50E+03	1.75E+01	6.21E+02	7.30E+01	NA	NA	NA
Isopropylmethylphosphonic Acid	1.56E+06	2.00E+03	1.40E+01	7.77E+02	7.30E+01	NA	NA	NA
Methylphosphonic Acid	1.56E+06	2.50E+03	1.75E+01	6.21E+02	7.30E+01	NA	NA	NA
Explosives (using SVOC equations)								
2-Amino-4,6-dinitrotoluene	1.56E+06	3.33E+06	3.50E+04	4.64E-01	7.30E+01	NA	NA	NA
4-Amino-2,6-dinitrotoluene	1.56E+06	3.33E+06	3.50E+04	4.64E-01	7.30E+01	NA	NA	NA
1,3-Dinitrobenzene	1.56E+06	2.00E+06	1.58E+04	7.76E-01	7.30E+01	NA	NA	NA
2,4-Dinitrotoluene	1.56E+06	1.00E+05	6.30E+02	1.55E+01	7.30E+01	7.75E+01	1.20E+00	9.27E-01
2,6-Dinitrotoluene	1.56E+06	2.00E+05	1.26E+03	7.77E+00	7.30E+01	7.75E+01	1.20E+00	9.27E-01
HMX	1.56E+06	4.00E+03	1.68E+02	3.75E+02	7.30E+01	NA	NA	NA
RDX	1.56E+06	6.67E+04	4.42E+02	2.33E+01	7.30E+01	1.14E+01	1.86E-01	6.30E+00
Tetryl	1.56E+06	2.00E+04	1.40E+02	7.77E+01	7.30E+01	NA	NA	NA
1,3,5-Trinitrobenzene	1.56E+06	6.67E+03	7.00E+01	2.32E+02	7.30E+01	NA	NA	NA
2,4,6-Trinitrotoluene	1.56E+06	4.00E+05	4.20E+03	3.87E+00	7.30E+01	3.42E+00	8.82E-02	2.08E+01

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-Specific Screening Level
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 2-6

Soil- Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Inorganics										
Aluminum	1.02E+07	1.00E+02	1.94E-01	1.43E+03	6.69E+03	2.86E+02	NA	NA	NA	NA
Antimony	1.02E+07	2.50E+05	1.31E+03	NA	4.07E+01	2.86E+02	NA	NA	NA	NA
Arsenic	1.02E+07	3.33E+05	1.84E+02	NA	3.06E+01	2.86E+02	1.50E+02	8.29E-02	3.00E+01	1.59E+00
Barium	1.02E+07	1.43E+03	8.24E-01	1.43E+04	6.50E+02	2.86E+02	NA	NA	NA	NA
Beryllium	1.02E+07	5.00E+04	2.63E+04	3.51E+05	2.39E+01	2.86E+02	NA	NA	1.68E+01	1.70E+01
Cadmium (solid media)	1.02E+07	1.00E+05	2.10E+04	3.51E+04	6.55E+01	2.86E+02	NA	NA	1.26E+01	2.27E+01
Cadmium (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.02E+07	6.67E+01	7.00E-01	NA	1.52E+05	2.86E+02	NA	NA	NA	NA
Chromium VI	1.02E+07	3.33E+04	3.50E+02	6.90E+04	9.96E+01	2.86E+02	NA	NA	8.40E+01	3.41E+00
Cobalt	1.02E+07	1.67E+03	4.86E+00	3.51E+05	2.90E+01	2.86E+02	NA	NA	NA	NA
Copper	1.02E+07	2.50E+03	2.19E+00	NA	4.08E+03	2.86E+02	NA	NA	NA	NA
Cyanide	1.02E+07	5.00E+03	NA	NA	2.04E+03	2.86E+02	NA	NA	NA	NA
Iron	1.02E+07	3.33E+02	1.75E-01	NA	3.06E+04	2.86E+02	NA	NA	NA	NA
Lead[b]	NA	NA	NA	NA	8.80E+02	NA	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.02E+07	2.13E+03	2.23E+01	1.43E+05	7.05E+01	2.86E+02	NA	NA	NA	NA
Mercury	1.02E+07	3.33E+05	2.50E+03	2.33E+04	2.85E+01	2.86E+02	NA	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	1.02E+07	2.00E+04	1.50E+01	NA	5.11E+02	2.86E+02	NA	NA	NA	NA
Nickel	1.02E+07	5.00E+03	6.56E+01	NA	2.02E+03	2.86E+02	NA	NA	1.68E+00	1.70E+02
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.02E+07	2.00E+04	1.31E+01	NA	5.11E+02	2.86E+02	NA	NA	NA	NA
Silver	1.02E+07	2.00E+04	NA	NA	5.11E+02	2.86E+02	NA	NA	NA	NA
Thallium	1.02E+07	1.54E+06	8.08E+02	NA	6.64E+00	2.86E+02	NA	NA	NA	NA
Vanadium	1.02E+07	1.43E+04	3.75E+02	NA	6.97E+02	2.86E+02	NA	NA	NA	NA
Zinc	1.02E+07	3.33E+02	7.00E-01	NA	3.06E+04	2.86E+02	NA	NA	NA	NA
Volatile Organic Compounds										
Acetone	1.02E+07	1.00E+03	6.33E+00	NA	1.02E+04	2.86E+02	NA	NA	NA	NA
Benzene	1.02E+07	3.33E+04	1.75E+02	1.18E+03	2.95E+02	2.86E+02	2.90E+00	1.52E-02	5.80E-02	9.62E+01
Bis(2-chloroethyl)ether	1.02E+07	NA	NA	NA	NA	2.86E+02	1.10E+02	5.78E-01	2.20E+00	2.54E+00
bis(2-Chloroisopropyl)ether	1.02E+07	2.50E+03	1.31E+01	NA	4.07E+03	2.86E+02	7.00E+00	3.68E-02	7.00E-02	4.03E+01
Bromobenzene	1.02E+07	5.00E+03	2.92E+01	6.99E+02	1.78E+03	2.86E+02	NA	NA	NA	NA
Bromochloromethane	1.02E+07	1.67E+03	8.75E+00	2.33E+00	6.09E+03	2.86E+02	NA	NA	NA	NA
Bromodichloromethane	1.02E+07	5.00E+03	2.92E+01	NA	2.03E+03	2.86E+02	6.20E+00	3.62E-02	NA	4.59E+01
Bromoform	1.02E+07	5.00E+03	2.92E+01	NA	2.03E+03	2.86E+02	7.90E-01	4.61E-03	7.80E-03	3.57E+02
Bromomethane	1.02E+07	7.14E+04	4.69E+02	1.43E+03	1.39E+02	2.86E+02	NA	NA	NA	NA
n-Butylbenzene	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
sec-Butylbenzene	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
tert-Butylbenzene	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
Carbon disulfide	1.02E+07	1.00E+03	5.83E+00	1.00E+01	1.01E+04	2.86E+02	NA	NA	NA	NA
Carbon tetrachloride	1.02E+07	1.43E+05	9.38E+02	3.51E+03	6.94E+01	2.86E+02	1.30E+01	8.53E-02	1.06E-01	2.17E+01
Chlorobenzene	1.02E+07	5.00E+03	2.63E+01	3.51E+02	1.90E+03	2.86E+02	NA	NA	NA	NA
Chloroethane	1.02E+07	2.50E+02	1.31E+00	6.90E-01	4.06E+04	2.86E+02	2.90E-01	1.52E-03	5.80E-03	9.62E+02
Chloroform	1.02E+07	1.00E+04	5.25E+01	2.33E+04	3.07E+02	2.86E+02	6.10E-01	3.20E-03	1.62E-01	3.69E+02
Chloromethane	1.02E+07	2.50E+04	1.31E+02	2.33E+01	4.06E+02	2.86E+02	1.30E+00	6.83E-03	1.26E-02	2.17E+02
2-Chloronaphthalene	1.02E+07	1.25E+03	6.56E+00	NA	8.13E+03	2.86E+02	NA	NA	NA	NA
m-Chlorotoluene	1.02E+07	5.00E+03	2.63E+01	NA	2.03E+03	2.86E+02	NA	NA	NA	NA
o-Chlorotoluene	1.02E+07	5.00E+03	2.63E+01	NA	2.03E+03	2.86E+02	NA	NA	NA	NA
p-Chlorotoluene	1.02E+07	5.00E+03	2.63E+01	NA	2.03E+03	2.86E+02	NA	NA	NA	NA
Cumene	1.02E+07	1.00E+03	5.83E+00	1.82E+01	9.98E+03	2.86E+02	NA	NA	NA	NA
Dibenzofuran	1.02E+07	2.50E+04	2.63E+02	NA	4.05E+02	2.86E+02	NA	NA	NA	NA
1,2-Dibromoethane	1.02E+07	NA	NA	3.51E+04	2.91E+02	2.86E+02	8.50E+03	6.11E+01	1.52E+00	3.34E-02
Dibromomethane	1.02E+07	1.00E+04	5.25E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
1,2-Dichlorobenzene	1.02E+07	1.11E+03	6.48E+00	2.33E+02	7.57E+03	2.86E+02	NA	NA	NA	NA
1,3-Dichlorobenzene	1.02E+07	1.11E+05	6.48E+02	NA	9.14E+01	2.86E+02	NA	NA	NA	NA
1,4-Dichlorobenzene	1.02E+07	3.33E+03	1.94E+01	8.70E+00	3.04E+03	2.86E+02	2.40E+00	1.40E-02	4.40E-02	1.16E+02
Dichlorodifluoromethane	1.02E+07	5.00E+02	3.28E+00	3.51E+01	1.90E+04	2.86E+02	NA	NA	NA	NA
1,1-Dichloroethane	1.02E+07	1.00E+03	5.25E+00	1.43E+01	1.00E+04	2.86E+02	NA	NA	NA	NA
1,2-Dichloroethane	1.02E+07	3.33E+03	1.75E+01	1.43E+03	2.14E+03	2.86E+02	9.10E+00	4.78E-02	1.82E-01	3.07E+01
1,1-Dichloroethene	1.02E+07	1.11E+04	5.83E+01	NA	9.15E+02	2.86E+02	6.00E+01	3.15E-01	3.60E-01	4.72E+00
2-Butanone	1.02E+07	1.67E+02	9.72E-01	6.90E+00	5.86E+04	2.86E+02	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.02E+07	1.00E+04	5.25E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
trans-1,2-Dichloroethene	1.02E+07	5.00E+03	2.63E+01	NA	2.03E+03	2.86E+02	NA	NA	NA	NA
1,2-Dichloroethene	1.02E+07	1.11E+04	5.83E+01	NA	9.15E+02	2.86E+02	NA	NA	NA	NA
1,1-Dichloropropene	1.02E+07	3.33E+05	1.94E+03	3.51E+02	3.05E+01	2.86E+02	NA	NA	NA	NA
cis-1,3-Dichloropropene	1.02E+07	3.33E+05	1.94E+03	3.51E+02	3.05E+01	2.86E+02	1.80E+01	1.05E-01	2.60E-01	1.56E+01
trans-1,3-Dichloropropene	1.02E+07	3.33E+05	1.94E+03	3.51E+02	3.05E+01	2.86E+02	1.80E+01	1.05E-01	2.60E-01	1.56E+01
1,2-Dichloropropane	1.02E+07	NA	NA	1.82E+03	5.62E+03	2.86E+02	6.80E+00	3.97E-02	NA	4.18E+01

Table 2-6

Soil- Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
1,3-Dichloropropane	1.02E+07	NA	NA	1.82E+03	5.62E+03	2.86E+02	NA	NA	NA	NA
2,2-Dichloropropane	1.02E+07	NA	NA	1.82E+03	5.62E+03	2.86E+02	NA	NA	NA	NA
Ethylbenzene	1.02E+07	1.00E+03	5.71E+00	6.90E+00	1.01E+04	2.86E+02	NA	NA	NA	NA
2-Hexanone	1.02E+07	2.50E+03	1.46E+01	1.43E+03	2.59E+03	2.86E+02	NA	NA	NA	NA
Isopropylbenzene	1.02E+07	1.00E+03	5.83E+00	1.82E+01	9.98E+03	2.86E+02	NA	NA	NA	NA
Methyl Chloride	1.02E+07	2.50E+04	1.31E+02	2.33E+01	4.06E+02	2.86E+02	1.30E+00	6.83E-03	1.26E-02	2.17E+02
Methylene Chloride	1.02E+07	1.67E+03	8.75E+00	2.33E+00	6.09E+03	2.86E+02	7.50E-01	3.94E-03	3.20E-03	3.78E+02
Methyl Isobutyl Ketone	1.02E+07	1.25E+03	7.29E+00	1.00E+02	7.53E+03	2.86E+02	NA	NA	NA	NA
4-Methyl-2-Pentanone	1.02E+07	1.25E+03	7.29E+00	1.00E+02	7.53E+03	2.86E+02	NA	NA	NA	NA
n-Propylbenzene	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
Naphthalene	1.02E+07	5.00E+03	2.63E+01	2.33E+03	1.39E+03	2.86E+02	NA	NA	NA	NA
Nitrobenzene	1.02E+07	2.00E+05	1.05E+03	3.33E+03	5.00E+01	2.86E+02	NA	NA	NA	NA
4-Nitrophenol	1.02E+07	1.25E+04	8.20E+01	NA	8.12E+02	2.86E+02	NA	NA	NA	NA
o-Nitrotoluene	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
p-Nitrotoluene	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
p-Cymene	1.02E+07	5.00E+02	2.92E+00	NA	2.03E+04	2.86E+02	NA	NA	NA	NA
Styrene	1.02E+07	5.00E+02	2.63E+00	6.90E+00	2.01E+04	2.86E+02	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.02E+07	3.33E+03	2.50E+01	NA	3.04E+03	2.86E+02	2.60E+00	1.95E-02	5.20E-02	1.07E+02
1,1,2,2-Tetrachloroethane	1.02E+07	1.67E+03	1.25E+01	NA	6.09E+03	2.86E+02	2.00E+01	1.50E-01	4.00E-01	1.39E+01
Tetrachloroethene	1.02E+07	1.00E+04	5.25E+01	1.18E+01	1.02E+03	2.86E+02	5.20E+00	2.73E-02	4.00E-03	5.47E+01
Toluene	1.02E+07	5.00E+02	2.63E+00	1.82E+01	1.96E+04	2.86E+02	NA	NA	NA	NA
1,2,3-Trichlorobenzene	1.02E+07	1.00E+05	5.83E+02	NA	1.02E+02	2.86E+02	NA	NA	NA	NA
1,2,4-Trichlorobenzene	1.02E+07	1.00E+04	5.83E+01	3.51E+01	1.01E+03	2.86E+02	NA	NA	NA	NA
1,3,5-Trichlorobenzene	1.02E+07	1.00E+05	5.83E+02	NA	1.02E+02	2.86E+02	NA	NA	NA	NA
1,1,1-Trichloroethane	1.02E+07	5.00E+02	2.63E+00	6.90E+00	2.01E+04	2.86E+02	NA	NA	NA	NA
1,1,2-Trichloroethane	1.02E+07	2.50E+04	1.31E+02	NA	4.07E+02	2.86E+02	5.70E+00	2.99E-02	1.14E-01	4.90E+01
Trichloroethene	1.02E+07	1.67E+04	9.72E+01	NA	6.10E+02	2.86E+02	1.10E+00	6.42E-03	1.20E-02	2.56E+02
Trichlorofluoromethane	1.02E+07	3.33E+02	2.19E+00	1.00E+01	2.96E+04	2.86E+02	NA	NA	NA	NA
1,2,3-Trichloropropane	1.02E+07	1.67E+04	1.09E+02	NA	6.09E+02	2.86E+02	7.00E+02	4.59E+00	NA	4.06E-01
1,2,3-Trimethylbenzene	1.02E+07	2.00E+03	1.31E+01	1.18E+03	3.20E+03	2.86E+02	NA	NA	NA	NA
1,2,4-Trimethylbenzene	1.02E+07	2.00E+03	1.31E+01	1.18E+03	3.20E+03	2.86E+02	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1.02E+07	2.00E+03	1.31E+01	1.18E+03	3.20E+03	2.86E+02	NA	NA	NA	NA
Vinyl Chloride	1.02E+07	NA	NA	NA	NA	2.86E+02	1.90E+02	9.98E-01	6.00E-01	1.49E+00
Xylenes	1.02E+07	5.00E+01	2.63E-01	NA	2.03E+05	2.86E+02	NA	NA	NA	NA
m,p-Xylenes	1.02E+07	5.00E+01	2.63E-01	NA	2.03E+05	2.86E+02	NA	NA	NA	NA
o-Xylene	1.02E+07	5.00E+01	2.63E-01	NA	2.03E+05	2.86E+02	NA	NA	NA	NA
1,2-Dimethylbenzene	1.02E+07	5.00E+01	2.63E-01	NA	2.03E+05	2.86E+02	NA	NA	NA	NA
Semi-Volatile Organic Compounds										
Acenaphthene	1.02E+07	1.67E+03	1.75E+01	NA	6.07E+03	2.86E+02	NA	NA	NA	NA
Acenaphthylene	1.02E+07	1.67E+03	1.75E+01	NA	6.07E+03	2.86E+02	NA	NA	NA	NA
Anthracene	1.02E+07	3.33E+02	2.50E+00	NA	3.04E+04	2.86E+02	NA	NA	NA	NA
Benzo(a)anthracene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E+01	7.67E-01	6.20E-01	3.85E+00
Benzo(b)fluoranthene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E+01	7.67E-01	6.20E-01	3.85E+00
Benzo(k)fluoranthene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E+00	7.67E-02	6.20E-02	3.85E+01
Benzo(g,h,i)perylene	1.02E+07	3.33E+03	3.50E+01	NA	3.03E+03	2.86E+02	NA	NA	NA	NA
Benzo(a)pyrene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E+02	7.67E+00	6.20E+00	3.85E-01
Benzoic Acid	1.02E+07	2.50E+01	1.31E-01	NA	4.07E+05	2.86E+02	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	1.02E+07	3.33E+04	2.19E+02	NA	3.05E+02	2.86E+02	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	1.02E+07	5.00E+03	2.10E+01	NA	2.04E+03	2.86E+02	1.40E+00	5.88E-03	2.80E-02	2.00E+02
4-Bromodiphenyl ether	1.02E+07	1.72E+03	1.81E+01	NA	5.87E+03	2.86E+02	NA	NA	NA	NA
Butyl benzyl phthalate	1.02E+07	5.00E+02	2.10E+00	NA	2.04E+04	2.86E+02	NA	NA	NA	NA
Carbazole	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+00	2.10E-02	NA	1.42E+02
4-Chloroaniline	1.02E+07	2.50E+04	1.31E+02	NA	4.07E+02	2.86E+02	NA	NA	NA	NA
4-Chlorodiphenyl ether	1.02E+07	1.72E+03	1.81E+01	NA	5.87E+03	2.86E+02	NA	NA	NA	NA
4-Chloro-3-methylphenol	1.02E+07	2.00E+04	1.24E+02	NA	5.08E+02	2.86E+02	NA	NA	NA	NA
2-Chlorophenol	1.02E+07	2.00E+04	1.05E+02	NA	5.08E+02	2.86E+02	NA	NA	NA	NA
Chrysene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E-01	4.79E-03	6.20E-03	3.86E+02
Dibenz(a,h)anthracene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E+02	4.79E+00	6.20E+00	3.86E-01
Dibromochloromethane	1.02E+07	5.00E+03	2.92E+01	NA	2.03E+03	2.86E+02	8.40E+00	4.90E-02	NA	3.39E+01
3,3'-Dichlorobenzidine	1.02E+07	NA	NA	NA	NA	2.86E+02	4.50E+01	2.63E-01	NA	6.32E+00
2,4-Dichlorophenol	1.02E+07	3.33E+04	1.75E+02	NA	3.05E+02	2.86E+02	NA	NA	NA	NA
2,6-Dichlorophenol	1.02E+07	3.33E+04	1.75E+02	NA	3.05E+02	2.86E+02	NA	NA	NA	NA
Diethyl phthalate	1.02E+07	1.25E+02	5.25E-01	NA	8.14E+04	2.86E+02	NA	NA	NA	NA
2,4-Dimethylphenol	1.02E+07	5.00E+03	3.28E+01	NA	2.03E+03	2.86E+02	NA	NA	NA	NA
Dimethyl phthalate	1.02E+07	NA	NA	NA	NA	2.86E+02	NA	NA	NA	NA
4,6-Dintro-2-methylphenol	1.02E+07	1.00E+06	1.05E+04	NA	1.01E+01	2.86E+02	NA	NA	NA	NA
2,4-Dinitrophenol	1.02E+07	5.00E+04	5.25E+02	NA	2.02E+02	2.86E+02	NA	NA	NA	NA
Di-n-butyl phthalate	1.02E+07	1.00E+03	2.33E+00	NA	1.02E+04	2.86E+02	NA	NA	NA	NA
Di-n-octyl phthalate	1.02E+07	5.00E+03	2.10E+01	NA	2.04E+03	2.86E+02	NA	NA	NA	NA
2,4-Dinitrotoluene	1.02E+07	5.00E+04	2.63E+02	NA	2.03E+02	2.86E+02	6.80E+01	3.57E-01	NA	4.19E+00
2,6-Dinitrotoluene	1.02E+07	1.00E+05	5.25E+02	NA	1.02E+02	2.86E+02	6.80E+01	3.57E-01	NA	4.19E+00

Table 2-6

Soil- Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Fluoranthene	1.02E+07	2.50E+03	2.63E+01	NA	4.05E+03	2.86E+02	NA	NA	NA	NA
Fluorene	1.02E+07	2.50E+03	2.63E+01	NA	4.05E+03	2.86E+02	NA	NA	NA	NA
Hexachlorobenzene	1.02E+07	1.25E+05	7.29E+02	NA	8.13E+01	2.86E+02	1.60E+02	9.33E-01	3.20E+00	1.74E+00
Hexachlorobutadiene	1.02E+07	5.00E+05	2.92E+03	NA	2.03E+01	2.86E+02	7.80E+00	4.55E-02	1.56E-01	3.58E+01
Hexachlorocyclopentadiene	1.02E+07	1.43E+04	1.50E+02	1.00E+05	8.93E+01	2.86E+02	NA	NA	NA	NA
Hexachloroethane	1.02E+07	1.00E+05	5.83E+02	NA	1.02E+02	2.86E+02	1.40E+00	8.17E-03	2.80E-02	1.99E+02
Indeno(1,2,3-cd)pyrene	1.02E+07	NA	NA	NA	NA	2.86E+02	7.30E+01	7.67E-01	6.20E-01	3.85E+00
Isophorone	1.02E+07	5.00E+02	5.25E+00	NA	2.02E+04	2.86E+02	9.50E-02	9.98E-04	NA	2.98E+03
2-Methylnaphthalene	1.02E+07	5.00E+03	3.28E+01	2.33E+03	1.39E+03	2.86E+02	NA	NA	NA	NA
4-Methylnaphthalene	1.02E+07	5.00E+03	3.28E+01	2.33E+03	1.39E+03	2.86E+02	NA	NA	NA	NA
2-Methylphenol	1.02E+07	2.00E+03	1.24E+01	NA	5.08E+03	2.86E+02	NA	NA	NA	NA
4-Methylphenol	1.02E+07	2.00E+04	1.24E+02	NA	5.08E+02	2.86E+02	NA	NA	NA	NA
2-Nitroaniline	1.02E+07	3.33E+05	1.84E+03	3.51E+04	2.76E+01	2.86E+02	NA	NA	NA	NA
3-Nitroaniline	1.02E+07	3.33E+05	1.84E+03	NA	3.05E+01	2.86E+02	NA	NA	NA	NA
4-Nitroaniline	1.02E+07	3.33E+04	1.84E+02	NA	3.05E+02	2.86E+02	NA	NA	NA	NA
2-Nitrophenol	1.02E+07	1.25E+04	1.31E+02	NA	8.09E+02	2.86E+02	NA	NA	NA	NA
N-Nitrosodiphenylamine	1.02E+07	NA	NA	NA	NA	2.86E+02	4.90E-01	2.57E-03	NA	5.81E+02
N-Nitrosodi-n-propylamine	1.02E+07	NA	NA	NA	NA	2.86E+02	7.00E+02	3.68E+00	NA	4.07E-01
Pentachlorophenol	1.02E+07	3.33E+03	1.75E+01	NA	3.05E+03	2.86E+02	1.20E+01	6.30E-02	NA	2.37E+01
Phenanthrene	1.02E+07	3.33E+02	3.50E+00	NA	3.03E+04	2.86E+02	NA	NA	NA	NA
Phenol	1.02E+07	1.67E+02	9.21E-01	NA	6.10E+04	2.86E+02	NA	NA	NA	NA
Pyrene	1.02E+07	3.33E+03	2.19E+01	NA	3.05E+03	2.86E+02	NA	NA	NA	NA
2,4,5-Trichlorophenol	1.02E+07	1.00E+03	5.83E+00	NA	1.02E+04	2.86E+02	NA	NA	NA	NA
2,4,6-Trichlorophenol	1.02E+07	NA	NA	NA	NA	2.86E+02	1.10E+00	6.42E-03	2.20E-02	2.54E+02
Pesticides/PCBs (using SVOC equations)										
Aldrin	1.02E+07	3.33E+06	3.50E+04	NA	3.03E+00	2.86E+02	1.70E+03	1.79E+01	3.40E+01	1.63E-01
PCBs (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
PCBs (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	1.02E+07	1.43E+06	5.00E+04	NA	6.91E+00	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	1.02E+07	5.00E+06	1.75E+05	NA	1.97E+00	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	2.86E+02	2.00E+02	6.30E+00	4.00E+00	1.36E+00
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azinphos-methyl	1.02E+07	1.11E+06	7.29E+03	NA	9.14E+00	2.86E+02	NA	NA	NA	NA
alpha-BHC	1.02E+07	NA	NA	NA	NA	2.86E+02	6.30E+02	3.41E+00	1.26E+01	4.43E-01
beta-BHC	1.02E+07	NA	NA	NA	NA	2.86E+02	1.80E+02	1.04E+00	3.60E+00	1.55E+00
gamma-BHC (Lindane)	1.02E+07	3.33E+05	1.75E+03	NA	3.05E+01	2.86E+02	1.30E+02	6.83E-01	NA	2.19E+00
delta-BHC	1.02E+07	3.33E+05	1.90E+03	NA	3.05E+01	2.86E+02	NA	NA	NA	NA
Bolstar	1.02E+07	4.00E+06	2.33E+04	NA	2.54E+00	2.86E+02	NA	NA	NA	NA
Chlordane	1.02E+07	2.00E+05	5.51E+03	1.00E+04	4.74E+01	2.86E+02	3.50E+01	9.65E-01	7.00E-01	7.80E+00
Chlorpyrifos	1.02E+07	3.33E+04	1.94E+02	NA	3.05E+02	2.86E+02	NA	NA	NA	NA
Coumaphos	1.02E+07	4.00E+06	2.33E+04	NA	2.54E+00	2.86E+02	NA	NA	NA	NA
Dalapon	1.02E+07	3.33E+03	2.50E+01	NA	3.04E+03	2.86E+02	NA	NA	NA	NA
DDD	1.02E+07	NA	NA	NA	NA	2.86E+02	2.40E+01	4.20E-01	NA	1.17E+01
4,4'-DDD	1.02E+07	NA	NA	NA	NA	2.86E+02	2.40E+01	4.20E-01	NA	1.17E+01
DDE	1.02E+07	NA	NA	NA	NA	2.86E+02	3.40E+01	5.95E-01	NA	8.27E+00
4,4'-DDE	1.02E+07	NA	NA	NA	NA	2.86E+02	3.40E+01	5.95E-01	NA	8.27E+00
DDT	1.02E+07	2.00E+05	3.50E+03	NA	5.02E+01	2.86E+02	3.40E+01	5.95E-01	6.80E-01	8.11E+00
4,4'-DDT	1.02E+07	2.00E+05	3.50E+03	NA	5.02E+01	2.86E+02	3.40E+01	5.95E-01	6.80E-01	8.11E+00
Demeton	1.02E+07	2.50E+06	1.31E+04	NA	4.07E+00	2.86E+02	NA	NA	NA	NA
Diazinon	1.02E+07	1.11E+05	7.29E+02	NA	9.14E+01	2.86E+02	NA	NA	NA	NA
Dieldrin	1.02E+07	2.00E+06	2.10E+04	NA	5.06E+00	2.86E+02	1.60E+03	1.68E+01	3.20E+01	1.74E-01
1,2-Dibromo-3-chloropropane (DBCP)	1.02E+07	NA	NA	3.51E+04	2.91E+02	2.86E+02	1.40E+02	8.17E-01	4.80E-03	2.03E+00
Dichlorvos	1.02E+07	2.00E+05	1.05E+03	1.43E+04	4.75E+01	2.86E+02	2.90E+01	1.52E-01	NA	9.82E+00
Dimethoate	1.02E+07	5.00E+05	2.63E+03	NA	2.03E+01	2.86E+02	NA	NA	NA	NA
Dinoseb	1.02E+07	1.00E+03	5.25E+00	NA	1.02E+04	2.86E+02	NA	NA	NA	NA
Disulfoton	1.02E+07	2.50E+06	1.41E+04	NA	4.07E+00	2.86E+02	NA	NA	NA	NA
Endosulfan	1.02E+07	1.67E+04	1.09E+02	NA	6.09E+02	2.86E+02	NA	NA	NA	NA

Table 2-6

Soil- Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Endosulfan II	1.02E+07	1.67E+04	1.09E+02	NA	6.09E+02	2.86E+02	NA	NA	NA	NA
Endodulfan sulfate	1.02E+07	1.67E+04	1.09E+02	NA	6.09E+02	2.86E+02	NA	NA	NA	NA
Endrin	1.02E+07	3.33E+05	3.50E+03	NA	3.03E+01	2.86E+02	NA	NA	NA	NA
Endrin aldehyde	1.02E+07	3.33E+06	3.50E+04	NA	3.03E+00	2.86E+02	NA	NA	NA	NA
Endrin Ketone	1.02E+07	3.33E+06	3.50E+04	NA	3.03E+00	2.86E+02	NA	NA	NA	NA
Ethoprop	1.02E+07	2.50E+07	1.41E+05	NA	4.07E-01	2.86E+02	NA	NA	NA	NA
Famphur	1.02E+07	4.00E+06	2.33E+04	NA	2.54E+00	2.86E+02	NA	NA	NA	NA
Fensulfothion	1.02E+07	4.00E+06	2.33E+04	NA	2.54E+00	2.86E+02	NA	NA	NA	NA
Fenthion	1.02E+07	4.00E+06	2.33E+04	NA	2.54E+00	2.86E+02	NA	NA	NA	NA
Heptachlor	1.02E+07	2.00E+05	1.27E+03	NA	5.08E+01	2.86E+02	4.50E+02	2.85E+00	9.00E+00	6.20E-01
Heptachlor Epoxide	1.02E+07	7.69E+06	4.87E+04	NA	1.32E+00	2.86E+02	9.10E+02	5.76E+00	1.82E+01	3.06E-01
Malathion	1.02E+07	5.00E+03	3.05E+01	NA	2.03E+03	2.86E+02	NA	NA	NA	NA
Merphos	1.02E+07	3.33E+06	1.94E+04	NA	3.05E+00	2.86E+02	NA	NA	NA	NA
Methoxychlor	1.02E+07	2.00E+04	1.05E+02	NA	5.08E+02	2.86E+02	NA	NA	NA	NA
Methyl parathion	1.02E+07	4.00E+05	2.33E+03	NA	2.54E+01	2.86E+02	NA	NA	NA	NA
Mevinphos	1.02E+07	4.00E+06	2.47E+04	NA	2.54E+00	2.86E+02	NA	NA	NA	NA
Naled	1.02E+07	5.00E+04	2.92E+02	NA	2.03E+02	2.86E+02	NA	NA	NA	NA
Parathion	1.02E+07	1.67E+04	9.72E+01	NA	6.10E+02	2.86E+02	NA	NA	NA	NA
Phorate	1.02E+07	5.00E+05	2.63E+03	NA	2.03E+01	2.86E+02	NA	NA	NA	NA
Ronnel	1.02E+07	2.00E+03	1.17E+01	NA	5.08E+03	2.86E+02	NA	NA	NA	NA
Stirophos	1.02E+07	3.33E+03	1.75E+01	NA	3.05E+03	2.86E+02	NA	NA	NA	NA
Sulfotep	1.02E+07	2.00E+05	1.17E+03	NA	5.08E+01	2.86E+02	NA	NA	NA	NA
Thionazin	1.02E+07	1.11E+06	6.48E+03	NA	9.14E+00	2.86E+02	NA	NA	NA	NA
Tokuthion	1.02E+07	2.00E+04	1.17E+02	NA	5.08E+02	2.86E+02	NA	NA	NA	NA
Toxaphene	1.02E+07	NA	NA	NA	NA	2.86E+02	1.10E+02	6.42E-01	2.20E+00	2.54E+00
Trichloronate	1.02E+07	2.00E+04	1.17E+02	NA	5.08E+02	2.86E+02	NA	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.02E+07	4.00E+07	2.33E+05	NA	2.54E-01	2.86E+02	NA	NA	NA	NA
Herbicides (using SVOC equations)										
2,4-D	1.02E+07	1.00E+04	5.25E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
2,4-DB	1.02E+07	1.25E+04	6.56E+01	NA	8.13E+02	2.86E+02	NA	NA	NA	NA
Dicamba	1.02E+07	3.33E+03	1.75E+01	NA	3.05E+03	2.86E+02	NA	NA	NA	NA
Dichloroprop	1.02E+07	1.25E+05	7.29E+02	NA	8.13E+01	2.86E+02	NA	NA	NA	NA
MCPA	1.02E+07	2.00E+05	1.13E+03	NA	5.08E+01	2.86E+02	NA	NA	NA	NA
MCPP	1.02E+07	1.00E+05	5.65E+02	NA	1.02E+02	2.86E+02	NA	NA	NA	NA
2,4,5-T	1.02E+07	1.00E+04	5.71E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
2,4,5-TP	1.02E+07	1.25E+04	7.29E+01	NA	8.13E+02	2.86E+02	NA	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)										
TCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+07	8.75E+04	2.20E+05	1.87E-05
TCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+05	8.75E+02	2.20E+03	1.87E-03
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+05	8.75E+02	2.20E+03	1.87E-03
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+05	8.75E+02	2.20E+03	1.87E-03
1,2,3,4,7,8-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
1,2,3,6,7,8-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
2,3,4,6,7,8-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+06	8.75E+03	2.20E+04	1.87E-04
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	2.86E+02	7.50E+06	4.38E+04	1.10E+05	3.74E-05
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	7.50E+05	4.38E+03	1.10E+04	3.74E-04
2,3,4,7,8-Pentachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	7.50E+06	4.38E+04	1.10E+05	3.74E-05
Octochlorodibenzofuran	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+04	8.75E+01	2.20E+02	1.87E-02
Octochlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	2.86E+02	1.50E+04	8.75E+01	2.20E+02	1.87E-02
Chemical Agent Breakdown (using SVOC equations)										
p-Chlorophenylmethylsulfone	1.02E+07	2.00E+05	1.17E+03	NA	5.08E+01	2.86E+02	NA	NA	NA	NA
p-Chlorophenylmethylsulfoxide	1.02E+07	2.00E+05	1.17E+03	NA	5.08E+01	2.86E+02	NA	NA	NA	NA
1,4-Dithiane	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
1,4-Oxathiane	1.02E+07	1.00E+05	5.83E+02	NA	1.02E+02	2.86E+02	NA	NA	NA	NA
Thiodiglycol	1.02E+07	2.50E+03	1.46E+01	3.51E+02	3.57E+03	2.86E+02	NA	NA	NA	NA

Table 2-6

Soil- Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Diisopropylmethylphosphonic Acid	1.02E+07	1.25E+03	7.29E+00	NA	8.13E+03	2.86E+02	NA	NA	NA	NA
Dimethylmethylphosphonic Acid	1.02E+07	1.25E+03	7.29E+00	NA	8.13E+03	2.86E+02	NA	NA	NA	NA
Ethylmethylphosphonic Acid	1.02E+07	1.25E+03	7.29E+00	NA	8.13E+03	2.86E+02	NA	NA	NA	NA
Isopropylmethylphosphonic Acid	1.02E+07	1.00E+03	5.83E+00	NA	1.02E+04	2.86E+02	NA	NA	NA	NA
Methylphosphonic Acid	1.02E+07	1.25E+03	7.29E+00	NA	8.13E+03	2.86E+02	NA	NA	NA	NA
Explosives (using SVOC equations)										
2-Amino-4,6-dinitrotoluene	1.02E+07	1.67E+06	1.46E+04	NA	6.08E+00	2.86E+02	NA	NA	NA	NA
4-Amino-2,6-dinitrotoluene	1.02E+07	1.67E+06	1.46E+04	NA	6.08E+00	2.86E+02	NA	NA	NA	NA
1,3-Dinitrobenzene	1.02E+07	1.00E+06	6.56E+03	NA	1.02E+01	2.86E+02	NA	NA	NA	NA
2,4-Dinitrotoluene	1.02E+07	5.00E+04	2.63E+02	NA	2.03E+02	2.86E+02	6.80E+01	3.57E-01	NA	4.19E+00
2,6-Dinitrotoluene	1.02E+07	1.00E+05	5.25E+02	NA	1.02E+02	2.86E+02	6.80E+01	3.57E-01	NA	4.19E+00
HMX	1.02E+07	2.00E+03	7.00E+01	NA	4.94E+03	2.86E+02	NA	NA	NA	NA
RDX	1.02E+07	3.33E+04	1.84E+02	NA	3.05E+02	2.86E+02	1.00E+01	5.53E-02	NA	2.85E+01
Tetryl	1.02E+07	1.00E+04	5.83E+01	NA	1.02E+03	2.86E+02	NA	NA	NA	NA
1,3,5-Trinitrobenzene	1.02E+07	3.33E+03	2.92E+01	NA	3.04E+03	2.86E+02	NA	NA	NA	NA
2,4,6-Trinitrotoluene	1.02E+07	2.00E+05	1.75E+03	NA	5.07E+01	2.86E+02	3.00E+00	2.63E-02	NA	9.46E+01

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 2-7

Soil - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Inorganics								
Aluminum	6.32E+07	1.00E+02	7.78E-01	6.27E+05	4.42E+03	NA	NA	NA
Antimony	6.32E+07	2.50E+05	5.25E+03	2.47E+02	4.42E+03	NA	NA	NA
Arsenic	6.32E+07	3.33E+05	7.37E+02	1.89E+02	4.42E+03	1.50E+02	3.32E-01	2.94E+01
Barium	6.32E+07	1.43E+03	3.30E+00	4.41E+04	4.42E+03	NA	NA	NA
Beryllium	6.32E+07	5.00E+04	1.05E+05	4.08E+02	4.42E+03	NA	NA	NA
Cadmium (solid media)	6.32E+07	1.00E+05	8.40E+04	3.43E+02	4.42E+03	NA	NA	NA
Cadmium (water)	NA	NA	NA	NA	NA	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	6.32E+07	6.67E+01	2.80E+00	9.09E+05	4.42E+03	NA	NA	NA
Chromium VI	6.32E+07	3.33E+04	1.40E+03	1.82E+03	4.42E+03	NA	NA	NA
Cobalt	6.32E+07	1.67E+03	1.94E+01	3.75E+04	4.42E+03	NA	NA	NA
Copper	6.32E+07	2.50E+03	8.75E+00	2.52E+04	4.42E+03	NA	NA	NA
Cyanide	6.32E+07	5.00E+03	NA	1.26E+04	4.42E+03	NA	NA	NA
Iron	6.32E+07	3.33E+02	7.00E-01	1.89E+05	4.42E+03	NA	NA	NA
Lead[b]	NA	NA	NA	4.00E+02	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	6.32E+07	2.13E+03	8.94E+01	2.85E+04	4.42E+03	NA	NA	NA
Mercury	6.32E+07	3.33E+05	1.00E+04	1.84E+02	4.42E+03	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	6.32E+07	2.00E+04	6.00E+01	3.15E+03	4.42E+03	NA	NA	NA
Nickel	6.32E+07	5.00E+03	2.63E+02	1.20E+04	4.42E+03	NA	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	6.32E+07	2.00E+04	5.25E+01	3.15E+03	4.42E+03	NA	NA	NA
Silver	6.32E+07	2.00E+04	NA	3.16E+03	4.42E+03	NA	NA	NA
Thallium	6.32E+07	1.54E+06	3.23E+03	4.10E+01	4.42E+03	NA	NA	NA
Vanadium	6.32E+07	1.43E+04	1.50E+03	4.00E+03	4.42E+03	NA	NA	NA
Zinc	6.32E+07	3.33E+02	2.80E+00	1.88E+05	4.42E+03	NA	NA	NA
Volatile Organic Compounds								
Acetone	6.32E+07	1.00E+03	2.53E+01	6.16E+04	4.42E+03	NA	NA	NA
Benzene	6.32E+07	3.33E+04	7.00E+02	1.86E+03	4.42E+03	2.90E+00	6.09E-02	1.49E+03
Bis(2-chloroethyl)ether	6.32E+07	NA	NA	NA	4.42E+03	1.10E+02	2.31E+00	3.94E+01
bis(2-Chloroisopropyl)ether	6.32E+07	2.50E+03	5.25E+01	2.47E+04	4.42E+03	7.00E+00	1.47E-01	6.19E+02
Bromobenzene	6.32E+07	5.00E+03	1.17E+02	1.23E+04	4.42E+03	NA	NA	NA
Bromochloromethane	6.32E+07	1.67E+03	3.50E+01	3.71E+04	4.42E+03	NA	NA	NA
Bromodichloromethane	6.32E+07	5.00E+03	1.17E+02	1.23E+04	4.42E+03	6.20E+00	1.45E-01	6.97E+02
Bromoform	6.32E+07	5.00E+03	1.17E+02	1.23E+04	4.42E+03	7.90E-01	1.84E-02	5.47E+03
Bromomethane	6.32E+07	7.14E+04	1.88E+03	8.62E+02	4.42E+03	NA	NA	NA
n-Butylbenzene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
sec-Butylbenzene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
tert-Butylbenzene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
Carbon disulfide	6.32E+07	1.00E+03	2.33E+01	6.17E+04	4.42E+03	NA	NA	NA
Carbon tetrachloride	6.32E+07	1.43E+05	3.75E+03	4.31E+02	4.42E+03	1.30E+01	3.41E-01	3.31E+02
Chlorobenzene	6.32E+07	5.00E+03	1.05E+02	1.24E+04	4.42E+03	NA	NA	NA
Chloroethane	6.32E+07	2.50E+02	5.25E+00	2.47E+05	4.42E+03	2.90E-01	6.09E-03	1.49E+04
Chloroform	6.32E+07	1.00E+04	2.10E+02	6.19E+03	4.42E+03	6.10E-01	1.28E-02	7.10E+03
Chloromethane	6.32E+07	2.50E+04	5.25E+02	2.47E+03	4.42E+03	1.30E+00	2.73E-02	3.33E+03
2-Chloronaphthalene	6.32E+07	1.25E+03	2.63E+01	4.95E+04	4.42E+03	NA	NA	NA
m-Chlorotoluene	6.32E+07	5.00E+03	1.05E+02	1.24E+04	4.42E+03	NA	NA	NA
o-Chlorotoluene	6.32E+07	5.00E+03	1.05E+02	1.24E+04	4.42E+03	NA	NA	NA
p-Chlorotoluene	6.32E+07	5.00E+03	1.05E+02	1.24E+04	4.42E+03	NA	NA	NA
Cumene	6.32E+07	1.00E+03	2.33E+01	6.17E+04	4.42E+03	NA	NA	NA
Dibenzofuran	6.32E+07	2.50E+04	1.05E+03	2.43E+03	4.42E+03	NA	NA	NA
1,2-Dibromoethane	6.32E+07	NA	NA	NA	4.42E+03	8.50E+03	2.45E+02	5.06E-01
Dibromomethane	6.32E+07	1.00E+04	2.10E+02	6.19E+03	4.42E+03	NA	NA	NA
1,2-Dichlorobenzene	6.32E+07	1.11E+03	2.59E+01	5.56E+04	4.42E+03	NA	NA	NA
1,3-Dichlorobenzene	6.32E+07	1.11E+05	2.59E+03	5.56E+02	4.42E+03	NA	NA	NA

Table 2-7

Soil - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
1,4-Dichlorobenzene	6.32E+07	3.33E+03	7.78E+01	1.85E+04	4.42E+03	2.40E+00	5.60E-02	1.80E+03
Dichlorodifluoromethane	6.32E+07	5.00E+02	1.31E+01	1.23E+05	4.42E+03	NA	NA	NA
1,1-Dichloroethane	6.32E+07	1.00E+03	2.10E+01	6.19E+04	4.42E+03	NA	NA	NA
1,2-Dichloroethane	6.32E+07	3.33E+03	7.00E+01	1.86E+04	4.42E+03	9.10E+00	1.91E-01	4.76E+02
1,1-Dichloroethene	6.32E+07	1.11E+04	2.33E+02	5.57E+03	4.42E+03	6.00E+01	1.26E+00	7.22E+01
2-Butanone	6.32E+07	1.67E+02	3.89E+00	3.70E+05	4.42E+03	NA	NA	NA
cis-1,2-Dichloroethene	6.32E+07	1.00E+04	2.10E+02	6.19E+03	4.42E+03	NA	NA	NA
trans-1,2-Dichloroethene	6.32E+07	5.00E+03	1.05E+02	1.24E+04	4.42E+03	NA	NA	NA
1,2-Dichloroethene	6.32E+07	1.11E+04	2.33E+02	5.57E+03	4.42E+03	NA	NA	NA
1,1-Dichloropropene	6.32E+07	3.33E+05	7.78E+03	1.85E+02	4.42E+03	NA	NA	NA
cis-1,3-Dichloropropene	6.32E+07	3.33E+05	7.78E+03	1.85E+02	4.42E+03	1.80E+01	4.20E-01	2.40E+02
trans-1,3-Dichloropropene	6.32E+07	3.33E+05	7.78E+03	1.85E+02	4.42E+03	1.80E+01	4.20E-01	2.40E+02
1,2-Dichloropropane	6.32E+07	NA	NA	NA	4.42E+03	6.80E+00	1.59E-01	6.35E+02
1,3-Dichloropropane	6.32E+07	NA	NA	NA	4.42E+03	NA	NA	NA
2,2-Dichloropropane	6.32E+07	NA	NA	NA	4.42E+03	NA	NA	NA
Ethylbenzene	6.32E+07	1.00E+03	2.28E+01	6.18E+04	4.42E+03	NA	NA	NA
2-Hexanone	6.32E+07	2.50E+03	5.83E+01	2.47E+04	4.42E+03	NA	NA	NA
Isopropylbenzene	6.32E+07	1.00E+03	2.33E+01	6.17E+04	4.42E+03	NA	NA	NA
Methyl Chloride	6.32E+07	2.50E+04	5.25E+02	2.47E+03	4.42E+03	1.30E+00	2.73E-02	3.33E+03
Methylene Chloride	6.32E+07	1.67E+03	3.50E+01	3.71E+04	4.42E+03	7.50E-01	1.58E-02	5.77E+03
Methyl Isobutyl Ketone	6.32E+07	1.25E+03	2.92E+01	4.94E+04	4.42E+03	NA	NA	NA
4-Methyl-2-Pentanone	6.32E+07	1.25E+03	2.92E+01	4.94E+04	4.42E+03	NA	NA	NA
n-Propylbenzene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
Naphthalene	6.32E+07	5.00E+03	1.05E+02	1.24E+04	4.42E+03	NA	NA	NA
Nitrobenzene	6.32E+07	2.00E+05	4.20E+03	3.09E+02	4.42E+03	NA	NA	NA
4-Nitrophenol	6.32E+07	1.25E+04	3.28E+02	4.92E+03	4.42E+03	NA	NA	NA
o-Nitrotoluene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
p-Nitrotoluene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
p-Cymene	6.32E+07	5.00E+02	1.17E+01	1.23E+05	4.42E+03	NA	NA	NA
Styrene	6.32E+07	5.00E+02	1.05E+01	1.24E+05	4.42E+03	NA	NA	NA
1,1,1,2-Tetrachloroethane	6.32E+07	3.33E+03	1.00E+02	1.84E+04	4.42E+03	2.60E+00	7.80E-02	1.65E+03
1,1,2,2-Tetrachloroethane	6.32E+07	1.67E+03	5.00E+01	3.68E+04	4.42E+03	2.00E+01	6.00E-01	2.15E+02
Tetrachloroethene	6.32E+07	1.00E+04	2.10E+02	6.19E+03	4.42E+03	5.20E+00	1.09E-01	8.33E+02
Toluene	6.32E+07	5.00E+02	1.05E+01	1.24E+05	4.42E+03	NA	NA	NA
1,2,3-Trichlorobenzene	6.32E+07	1.00E+05	2.33E+03	6.17E+02	4.42E+03	NA	NA	NA
1,2,4-Trichlorobenzene	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
1,3,5-Trichlorobenzene	6.32E+07	1.00E+05	2.33E+03	6.17E+02	4.42E+03	NA	NA	NA
1,1,1-Trichloroethane	6.32E+07	5.00E+02	1.05E+01	1.24E+05	4.42E+03	NA	NA	NA
1,1,2-Trichloroethane	6.32E+07	2.50E+04	5.25E+02	2.47E+03	4.42E+03	5.70E+00	1.20E-01	7.60E+02
Trichloroethene	6.32E+07	1.67E+04	3.89E+02	3.70E+03	4.42E+03	1.10E+00	2.57E-02	3.93E+03
Trichlorofluoromethane	6.32E+07	3.33E+02	8.75E+00	1.85E+05	4.42E+03	NA	NA	NA
1,2,3-Trichloropropane	6.32E+07	1.67E+04	4.38E+02	3.69E+03	4.42E+03	7.00E+02	1.84E+01	6.16E+00
1,2,3-Trimethylbenzene	6.32E+07	2.00E+03	5.25E+01	3.08E+04	4.42E+03	NA	NA	NA
1,2,4-Trimethylbenzene	6.32E+07	2.00E+03	5.25E+01	3.08E+04	4.42E+03	NA	NA	NA
1,3,5-Trimethylbenzene	6.32E+07	2.00E+03	5.25E+01	3.08E+04	4.42E+03	NA	NA	NA
Vinyl Chloride	6.32E+07	NA	NA	NA	4.42E+03	1.90E+02	3.99E+00	2.28E+01
Xylenes	6.32E+07	5.00E+01	1.05E+00	1.24E+06	4.42E+03	NA	NA	NA
m,p-Xylenes	6.32E+07	5.00E+01	1.05E+00	1.24E+06	4.42E+03	NA	NA	NA
o-Xylene	6.32E+07	5.00E+01	1.05E+00	1.24E+06	4.42E+03	NA	NA	NA
1,2-Dimethylbenzene	6.32E+07	5.00E+01	1.05E+00	1.24E+06	4.42E+03	NA	NA	NA
Semi-Volatile Organic Compounds								
Acenaphthene	6.32E+07	1.67E+03	7.00E+01	3.64E+04	4.42E+03	NA	NA	NA
Acenaphthylene	6.32E+07	1.67E+03	7.00E+01	3.64E+04	4.42E+03	NA	NA	NA
Anthracene	6.32E+07	3.33E+02	1.00E+01	1.84E+05	4.42E+03	NA	NA	NA
Benzo(a)anthracene	6.32E+07	NA	NA	NA	4.42E+03	7.30E+01	3.07E+00	5.81E+01
Benzo(b)fluoranthene	6.32E+07	NA	NA	NA	4.42E+03	7.30E+01	3.07E+00	5.81E+01
Benzo(k)fluoranthene	6.32E+07	NA	NA	NA	4.42E+03	7.30E+00	3.07E-01	5.81E+02
Benzo(g,h,I)perylene	6.32E+07	3.33E+03	1.40E+02	1.82E+04	4.42E+03	NA	NA	NA

Table 2-7

Soil - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Benzo(a)pyrene	6.32E+07	NA	NA	NA	4.42E+03	7.30E+02	3.07E+01	5.81E+00
Benzoic Acid	6.32E+07	2.50E+01	5.25E-01	2.47E+06	4.42E+03	NA	NA	NA
bis(2-Chloroethoxy)methane	6.32E+07	3.33E+04	8.75E+02	1.85E+03	4.42E+03	NA	NA	NA
bis(2-Ethylhexyl)phthalate	6.32E+07	5.00E+03	8.40E+01	1.24E+04	4.42E+03	1.40E+00	2.35E-02	3.11E+03
4-Bromodiphenyl ether	6.32E+07	1.72E+03	7.24E+01	3.52E+04	4.42E+03	NA	NA	NA
Butyl benzyl phthalate	6.32E+07	5.00E+02	8.40E+00	1.24E+05	4.42E+03	NA	NA	NA
Carbazole	6.32E+07	NA	NA	NA	4.42E+03	2.00E+00	8.40E-02	2.12E+03
4-Chloroaniline	6.32E+07	2.50E+04	5.25E+02	2.47E+03	4.42E+03	NA	NA	NA
4-Chlorodiphenyl ether	6.32E+07	1.72E+03	7.24E+01	3.52E+04	4.42E+03	NA	NA	NA
4-Chloro-3-methylphenol	6.32E+07	2.00E+04	4.94E+02	3.08E+03	4.42E+03	NA	NA	NA
2-Chlorophenol	6.32E+07	2.00E+04	4.20E+02	3.09E+03	4.42E+03	NA	NA	NA
Chrysene	6.32E+07	NA	NA	NA	4.42E+03	7.30E-01	1.92E-02	5.90E+03
Dibenz(a,h)anthracene	6.32E+07	NA	NA	NA	4.42E+03	7.30E+02	1.92E+01	5.90E+00
Dibromochloromethane	6.32E+07	5.00E+03	1.17E+02	1.23E+04	4.42E+03	8.40E+00	1.96E-01	5.14E+02
3,3'-Dichlorobenzidine	6.32E+07	NA	NA	NA	4.42E+03	4.50E+01	1.05E+00	9.60E+01
2,4-Dichlorophenol	6.32E+07	3.33E+04	7.00E+02	1.86E+03	4.42E+03	NA	NA	NA
2,6-Dichlorophenol	6.32E+07	3.33E+04	7.00E+02	1.86E+03	4.42E+03	NA	NA	NA
Diethyl phthalate	6.32E+07	1.25E+02	2.10E+00	4.97E+05	4.42E+03	NA	NA	NA
2,4-Dimethylphenol	6.32E+07	5.00E+03	1.31E+02	1.23E+04	4.42E+03	NA	NA	NA
Dimethyl phthalate	6.32E+07	NA	NA	NA	4.42E+03	NA	NA	NA
4,6-Dintro-2-methylphenol	6.32E+07	1.00E+06	4.20E+04	6.06E+01	4.42E+03	NA	NA	NA
2,4-Dinitrophenol	6.32E+07	5.00E+04	2.10E+03	1.21E+03	4.42E+03	NA	NA	NA
Di-n-butyl phthalate	6.32E+07	1.00E+03	9.33E+00	6.26E+04	4.42E+03	NA	NA	NA
Di-n-octyl phthalate	6.32E+07	5.00E+03	8.40E+01	1.24E+04	4.42E+03	NA	NA	NA
2,4-Dinitrotoluene	6.32E+07	5.00E+04	1.05E+03	1.24E+03	4.42E+03	6.80E+01	1.43E+00	6.37E+01
2,6-Dinitrotoluene	6.32E+07	1.00E+05	2.10E+03	6.19E+02	4.42E+03	6.80E+01	1.43E+00	6.37E+01
Fluoranthene	6.32E+07	2.50E+03	1.05E+02	2.43E+04	4.42E+03	NA	NA	NA
Fluorene	6.32E+07	2.50E+03	1.05E+02	2.43E+04	4.42E+03	NA	NA	NA
Hexachlorobenzene	6.32E+07	1.25E+05	2.92E+03	4.94E+02	4.42E+03	1.60E+02	3.73E+00	2.70E+01
Hexachlorobutadiene	6.32E+07	5.00E+05	1.17E+04	1.23E+02	4.42E+03	7.80E+00	1.82E-01	5.54E+02
Hexachlorocyclopentadiene	6.32E+07	1.43E+04	6.00E+02	4.24E+03	4.42E+03	NA	NA	NA
Hexachloroethane	6.32E+07	1.00E+05	2.33E+03	6.17E+02	4.42E+03	1.40E+00	3.27E-02	3.09E+03
Indeno(1,2,3-cd)pyrene	6.32E+07	NA	NA	NA	4.42E+03	7.30E+01	3.07E+00	5.81E+01
Isophorone	6.32E+07	5.00E+02	2.10E+01	1.21E+05	4.42E+03	9.50E-02	3.99E-03	4.47E+04
2-Methylnaphthalene	6.32E+07	5.00E+03	1.31E+02	1.23E+04	4.42E+03	NA	NA	NA
4-Methylnaphthalene	6.32E+07	5.00E+03	1.31E+02	1.23E+04	4.42E+03	NA	NA	NA
2-Methylphenol	6.32E+07	2.00E+03	4.94E+01	3.08E+04	4.42E+03	NA	NA	NA
4-Methylphenol	6.32E+07	2.00E+04	4.94E+02	3.08E+03	4.42E+03	NA	NA	NA
2-Nitroaniline	6.32E+07	3.33E+05	7.37E+03	1.85E+02	4.42E+03	NA	NA	NA
3-Nitroaniline	6.32E+07	3.33E+05	7.37E+03	1.85E+02	4.42E+03	NA	NA	NA
4-Nitroaniline	6.32E+07	3.33E+04	7.37E+02	1.85E+03	4.42E+03	NA	NA	NA
2-Nitrophenol	6.32E+07	1.25E+04	5.25E+02	4.85E+03	4.42E+03	NA	NA	NA
N-Nitrosodiphenylamine	6.32E+07	NA	NA	NA	4.42E+03	4.90E-01	1.03E-02	8.84E+03
N-Nitrosodi-n-propylamine	6.32E+07	NA	NA	NA	4.42E+03	7.00E+02	1.47E+01	6.19E+00
Pentachlorophenol	6.32E+07	3.33E+03	7.00E+01	1.86E+04	4.42E+03	1.20E+01	2.52E-01	3.61E+02
Phenanthrene	6.32E+07	3.33E+02	1.40E+01	1.82E+05	4.42E+03	NA	NA	NA
Phenol	6.32E+07	1.67E+02	3.68E+00	3.71E+05	4.42E+03	NA	NA	NA
Pyrene	6.32E+07	3.33E+03	8.75E+01	1.85E+04	4.42E+03	NA	NA	NA
2,4,5-Trichlorophenol	6.32E+07	1.00E+03	2.33E+01	6.17E+04	4.42E+03	NA	NA	NA
2,4,6-Trichlorophenol	6.32E+07	NA	NA	NA	4.42E+03	1.10E+00	2.57E-02	3.93E+03
Pesticides/PCBs (using SVOC equations)								
Aldrin	6.32E+07	3.33E+06	1.40E+05	1.82E+01	4.42E+03	1.70E+03	7.14E+01	2.50E+00
PCBs (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
PCBs (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	6.32E+07	1.43E+06	2.00E+05	3.88E+01	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-7

Soil - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Aroclor 1232 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	6.32E+07	5.00E+06	7.00E+05	1.11E+01	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	6.32E+07	NA	NA	NA	4.42E+03	2.00E+02	2.52E+01	1.96E+01
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Azinphos-methyl	6.32E+07	1.11E+06	2.92E+04	5.54E+01	4.42E+03	NA	NA	NA
alpha-BHC	6.32E+07	NA	NA	NA	4.42E+03	6.30E+02	1.36E+01	6.87E+00
beta-BHC	6.32E+07	NA	NA	NA	4.42E+03	1.80E+02	4.15E+00	2.40E+01
gamma-BHC (Lindane)	6.32E+07	3.33E+05	7.00E+03	1.86E+02	4.42E+03	1.30E+02	2.73E+00	3.33E+01
delta-BHC	6.32E+07	3.33E+05	7.61E+03	1.85E+02	4.42E+03	NA	NA	NA
Bolstar	6.32E+07	4.00E+06	9.33E+04	1.54E+01	4.42E+03	NA	NA	NA
Chlordane	6.32E+07	2.00E+05	2.21E+04	2.84E+02	4.42E+03	3.50E+01	3.86E+00	1.14E+02
Chlorpyrifos	6.32E+07	3.33E+04	7.78E+02	1.85E+03	4.42E+03	NA	NA	NA
Coumaphos	6.32E+07	4.00E+06	9.33E+04	1.54E+01	4.42E+03	NA	NA	NA
Dalapon	6.32E+07	3.33E+03	1.00E+02	1.84E+04	4.42E+03	NA	NA	NA
DDD	6.32E+07	NA	NA	NA	4.42E+03	2.40E+01	1.68E+00	1.72E+02
4,4'-DDD	6.32E+07	NA	NA	NA	4.42E+03	2.40E+01	1.68E+00	1.72E+02
DDE	6.32E+07	NA	NA	NA	4.42E+03	3.40E+01	2.38E+00	1.22E+02
4,4'-DDE	6.32E+07	NA	NA	NA	4.42E+03	3.40E+01	2.38E+00	1.22E+02
DDT	6.32E+07	2.00E+05	1.40E+04	2.95E+02	4.42E+03	3.40E+01	2.38E+00	1.22E+02
4,4'-DDT	6.32E+07	2.00E+05	1.40E+04	2.95E+02	4.42E+03	3.40E+01	2.38E+00	1.22E+02
Demeton	6.32E+07	2.50E+06	5.25E+04	2.47E+01	4.42E+03	NA	NA	NA
Diazinon	6.32E+07	1.11E+05	2.92E+03	5.54E+02	4.42E+03	NA	NA	NA
Dieldrin	6.32E+07	2.00E+06	8.40E+04	3.03E+01	4.42E+03	1.60E+03	6.72E+01	2.65E+00
1,2-Dibromo-3-chloropropane (DBCP)	6.32E+07	NA	NA	NA	4.42E+03	1.40E+02	3.27E+00	3.09E+01
Dichlorvos	6.32E+07	2.00E+05	4.20E+03	3.09E+02	4.42E+03	2.90E+01	6.09E-01	1.49E+02
Dimethoate	6.32E+07	5.00E+05	1.05E+04	1.24E+02	4.42E+03	NA	NA	NA
Dinoseb	6.32E+07	1.00E+03	2.10E+01	6.19E+04	4.42E+03	NA	NA	NA
Disulfoton	6.32E+07	2.50E+06	5.65E+04	2.47E+01	4.42E+03	NA	NA	NA
Endosulfan	6.32E+07	1.67E+04	4.38E+02	3.69E+03	4.42E+03	NA	NA	NA
Endosulfan II	6.32E+07	1.67E+04	4.38E+02	3.69E+03	4.42E+03	NA	NA	NA
Endodulfan sulfate	6.32E+07	1.67E+04	4.38E+02	3.69E+03	4.42E+03	NA	NA	NA
Endrin	6.32E+07	3.33E+05	1.40E+04	1.82E+02	4.42E+03	NA	NA	NA
Endrin aldehyde	6.32E+07	3.33E+06	1.40E+05	1.82E+01	4.42E+03	NA	NA	NA
Endrin Ketone	6.32E+07	3.33E+06	1.40E+05	1.82E+01	4.42E+03	NA	NA	NA
Ethoprop	6.32E+07	2.50E+07	5.65E+05	2.47E+00	4.42E+03	NA	NA	NA
Famphur	6.32E+07	4.00E+06	9.33E+04	1.54E+01	4.42E+03	NA	NA	NA
Fensulfothion	6.32E+07	4.00E+06	9.33E+04	1.54E+01	4.42E+03	NA	NA	NA
Fenthion	6.32E+07	4.00E+06	9.33E+04	1.54E+01	4.42E+03	NA	NA	NA
Heptachlor	6.32E+07	2.00E+05	5.06E+03	3.08E+02	4.42E+03	4.50E+02	1.14E+01	9.58E+00
Heptachlor Epoxide	6.32E+07	7.69E+06	1.95E+05	8.01E+00	4.42E+03	9.10E+02	2.30E+01	4.74E+00
Malathion	6.32E+07	5.00E+03	1.22E+02	1.23E+04	4.42E+03	NA	NA	NA
Merphos	6.32E+07	3.33E+06	7.78E+04	1.85E+01	4.42E+03	NA	NA	NA
Methoxychlor	6.32E+07	2.00E+04	4.20E+02	3.09E+03	4.42E+03	NA	NA	NA
Methyl parathion	6.32E+07	4.00E+05	9.33E+03	1.54E+02	4.42E+03	NA	NA	NA
Mevinphos	6.32E+07	4.00E+06	9.88E+04	1.54E+01	4.42E+03	NA	NA	NA
Naled	6.32E+07	5.00E+04	1.17E+03	1.23E+03	4.42E+03	NA	NA	NA
Parathion	6.32E+07	1.67E+04	3.89E+02	3.70E+03	4.42E+03	NA	NA	NA
Phorate	6.32E+07	5.00E+05	1.05E+04	1.24E+02	4.42E+03	NA	NA	NA
Ronnel	6.32E+07	2.00E+03	4.67E+01	3.09E+04	4.42E+03	NA	NA	NA

Table 2-7

Soil - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
Stirophos	6.32E+07	3.33E+03	7.00E+01	1.86E+04	4.42E+03	NA	NA	NA
Sulfotep	6.32E+07	2.00E+05	4.67E+03	3.09E+02	4.42E+03	NA	NA	NA
Thionazin	6.32E+07	1.11E+06	2.59E+04	5.56E+01	4.42E+03	NA	NA	NA
Tokuthion	6.32E+07	2.00E+04	4.67E+02	3.09E+03	4.42E+03	NA	NA	NA
Toxaphene	6.32E+07	NA	NA	NA	4.42E+03	1.10E+02	2.57E+00	3.93E+01
Trichloronate	6.32E+07	2.00E+04	4.67E+02	3.09E+03	4.42E+03	NA	NA	NA
O,O,O-Triethyl phosphorothioate	6.32E+07	4.00E+07	9.33E+05	1.54E+00	4.42E+03	NA	NA	NA
Herbicides (using SVOC equations)								
2,4-D	6.32E+07	1.00E+04	2.10E+02	6.19E+03	4.42E+03	NA	NA	NA
2,4-DB	6.32E+07	1.25E+04	2.63E+02	4.95E+03	4.42E+03	NA	NA	NA
Dicamba	6.32E+07	3.33E+03	7.00E+01	1.86E+04	4.42E+03	NA	NA	NA
Dichloroprop	6.32E+07	1.25E+05	2.92E+03	4.94E+02	4.42E+03	NA	NA	NA
MCPA	6.32E+07	2.00E+05	4.52E+03	3.09E+02	4.42E+03	NA	NA	NA
MCPP	6.32E+07	1.00E+05	2.26E+03	6.18E+02	4.42E+03	NA	NA	NA
2,4,5-T	6.32E+07	1.00E+04	2.28E+02	6.18E+03	4.42E+03	NA	NA	NA
2,4,5-TP	6.32E+07	1.25E+04	2.92E+02	4.94E+03	4.42E+03	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)								
TCDD	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	6.32E+07	NA	NA	NA	4.42E+03	1.50E+07	3.50E+05	2.88E-04
TCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
1,2,3,4,6,7,8-Heptachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+05	3.50E+03	2.88E-02
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	6.32E+07	NA	NA	NA	4.42E+03	1.50E+05	3.50E+03	2.88E-02
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+05	3.50E+03	2.88E-02
1,2,3,4,7,8-Hexachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
1,2,3,6,7,8-Hexachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
2,3,4,6,7,8-Hexachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+06	3.50E+04	2.88E-03
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	6.32E+07	NA	NA	NA	4.42E+03	7.50E+06	1.75E+05	5.76E-04
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	7.50E+05	1.75E+04	5.76E-03
2,3,4,7,8-Pentachlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	7.50E+06	1.75E+05	5.76E-04
Octochlorodibenzofuran	6.32E+07	NA	NA	NA	4.42E+03	1.50E+04	3.50E+02	2.88E-01
Octochlorodibenzo-p-dioxin	6.32E+07	NA	NA	NA	4.42E+03	1.50E+04	3.50E+02	2.88E-01
Chemical Agent Breakdown (using SVOC equations)								
p-Chlorophenylmethylsulfone	6.32E+07	2.00E+05	4.67E+03	3.09E+02	4.42E+03	NA	NA	NA
p-Chlorophenylmethylsulfoxide	6.32E+07	2.00E+05	4.67E+03	3.09E+02	4.42E+03	NA	NA	NA
1,4-Dithiane	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
1,4-Oxathiane	6.32E+07	1.00E+05	2.33E+03	6.17E+02	4.42E+03	NA	NA	NA
Thiodiglycol	6.32E+07	2.50E+03	5.83E+01	2.47E+04	4.42E+03	NA	NA	NA
Diisopropylmethylphosphonic Acid	6.32E+07	1.25E+03	2.92E+01	4.94E+04	4.42E+03	NA	NA	NA
Dimethylmethylphosphonic Acid	6.32E+07	1.25E+03	2.92E+01	4.94E+04	4.42E+03	NA	NA	NA
Ethylmethylphosphonic Acid	6.32E+07	1.25E+03	2.92E+01	4.94E+04	4.42E+03	NA	NA	NA
Isopropylmethylphosphonic Acid	6.32E+07	1.00E+03	2.33E+01	6.17E+04	4.42E+03	NA	NA	NA
Methylphosphonic Acid	6.32E+07	1.25E+03	2.92E+01	4.94E+04	4.42E+03	NA	NA	NA
Explosives (using SVOC equations)								

Table 2-7

Soil - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/kg)	Numerator	Oral	Dermal	SSSL (mg/kg)
2-Amino-4,6-dinitrotoluene	6.32E+07	1.67E+06	5.83E+04	3.66E+01	4.42E+03	NA	NA	NA
4-Amino-2,6-dinitrotoluene	6.32E+07	1.67E+06	5.83E+04	3.66E+01	4.42E+03	NA	NA	NA
1,3-Dinitrobenzene	6.32E+07	1.00E+06	2.63E+04	6.16E+01	4.42E+03	NA	NA	NA
2,4-Dinitrotoluene	6.32E+07	5.00E+04	1.05E+03	1.24E+03	4.42E+03	6.80E+01	1.43E+00	6.37E+01
2,6-Dinitrotoluene	6.32E+07	1.00E+05	2.10E+03	6.19E+02	4.42E+03	6.80E+01	1.43E+00	6.37E+01
HMX	6.32E+07	2.00E+03	2.80E+02	2.77E+04	4.42E+03	NA	NA	NA
RDX	6.32E+07	3.33E+04	7.37E+02	1.85E+03	4.42E+03	1.00E+01	2.21E-01	4.33E+02
Tetryl	6.32E+07	1.00E+04	2.33E+02	6.17E+03	4.42E+03	NA	NA	NA
1,3,5-Trinitrobenzene	6.32E+07	3.33E+03	1.17E+02	1.83E+04	4.42E+03	NA	NA	NA
2,4,6-Trinitrotoluene	6.32E+07	2.00E+05	7.00E+03	3.05E+02	4.42E+03	3.00E+00	1.05E-01	1.42E+03

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 2-8

Soil - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Inorganics										
Aluminum	1.02E+07	2.00E+02	1.94E+00	2.86E+03	3.34E+03	7.15E+03	NA	NA	NA	NA
Antimony	1.02E+07	5.00E+05	1.31E+04	NA	1.99E+01	7.15E+03	NA	NA	NA	NA
Arsenic	1.02E+07	6.67E+05	1.84E+03	NA	1.53E+01	7.15E+03	3.00E+02	8.29E-01	6.00E+01	1.98E+01
Barium	1.02E+07	2.86E+03	8.24E+00	2.86E+04	3.25E+02	7.15E+03	NA	NA	NA	NA
Beryllium	1.02E+07	1.00E+05	2.63E+05	7.02E+05	9.60E+00	7.15E+03	NA	NA	3.36E+01	2.13E+02
Cadmium (solid media)	1.02E+07	2.00E+05	2.10E+05	7.02E+04	2.13E+01	7.15E+03	NA	NA	2.52E+01	2.84E+02
Cadmium (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.02E+07	1.33E+02	7.00E+00	NA	7.28E+04	7.15E+03	NA	NA	NA	NA
Chromium VI	1.02E+07	6.67E+04	3.50E+03	1.38E+05	4.91E+01	7.15E+03	NA	NA	1.68E+02	4.26E+01
Cobalt	1.02E+07	3.33E+03	4.86E+01	7.02E+05	1.45E+01	7.15E+03	NA	NA	NA	NA
Copper	1.02E+07	5.00E+03	2.19E+01	NA	2.04E+03	7.15E+03	NA	NA	NA	NA
Cyanide	1.02E+07	1.00E+04	NA	NA	1.02E+03	7.15E+03	NA	NA	NA	NA
Iron	1.02E+07	6.67E+02	1.75E+00	NA	1.53E+04	7.15E+03	NA	NA	NA	NA
Lead[b]	NA	NA	NA	NA	8.80E+02	NA	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.02E+07	4.26E+03	2.23E+02	2.86E+05	3.52E+01	7.15E+03	NA	NA	NA	NA
Mercury	1.02E+07	6.67E+05	2.50E+04	4.65E+04	1.38E+01	7.15E+03	NA	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	1.02E+07	4.00E+04	1.50E+02	NA	2.55E+02	7.15E+03	NA	NA	NA	NA
Nickel	1.02E+07	1.00E+04	6.56E+02	NA	9.59E+02	7.15E+03	NA	NA	3.36E+00	2.13E+03
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.02E+07	4.00E+04	1.31E+02	NA	2.55E+02	7.15E+03	NA	NA	NA	NA
Silver	1.02E+07	4.00E+04	NA	NA	2.56E+02	7.15E+03	NA	NA	NA	NA
Thallium	1.02E+07	3.08E+06	8.08E+03	NA	3.31E+00	7.15E+03	NA	NA	NA	NA
Vanadium	1.02E+07	2.86E+04	3.75E+03	NA	3.16E+02	7.15E+03	NA	NA	NA	NA
Zinc	1.02E+07	6.67E+02	7.00E+00	NA	1.52E+04	7.15E+03	NA	NA	NA	NA
Volatile Organic Compounds										
Acetone	1.02E+07	2.00E+03	6.33E+01	NA	4.95E+03	7.15E+03	NA	NA	NA	NA
Benzene	1.02E+07	6.67E+04	1.75E+03	2.35E+03	1.44E+02	7.15E+03	5.80E+00	1.52E-01	1.16E-01	1.18E+03
Bis(2-chloroethyl)ether	1.02E+07	NA	NA	NA	NA	7.15E+03	2.20E+02	5.78E+00	4.40E+00	3.11E+01
bis(2-Chloroisopropyl)ether	1.02E+07	5.00E+03	1.31E+02	NA	1.99E+03	7.15E+03	1.40E+01	3.68E-01	1.40E-01	4.93E+02
Bromobenzene	1.02E+07	1.00E+04	2.92E+02	1.40E+03	8.74E+02	7.15E+03	NA	NA	NA	NA
Bromochloromethane	1.02E+07	3.33E+03	8.75E+01	4.65E+00	2.98E+03	7.15E+03	NA	NA	NA	NA
Bromodichloromethane	1.02E+07	1.00E+04	2.92E+02	NA	9.93E+02	7.15E+03	1.24E+01	3.62E-01	NA	5.61E+02
Bromoform	1.02E+07	1.00E+04	2.92E+02	NA	9.93E+02	7.15E+03	1.58E+00	4.61E-02	1.56E-02	4.36E+03
Bromomethane	1.02E+07	1.43E+05	4.69E+03	2.86E+03	6.80E+01	7.15E+03	NA	NA	NA	NA
n-Butylbenzene	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
sec-Butylbenzene	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
tert-Butylbenzene	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
Carbon disulfide	1.02E+07	2.00E+03	5.83E+01	2.00E+01	4.92E+03	7.15E+03	NA	NA	NA	NA
Carbon tetrachloride	1.02E+07	2.86E+05	9.38E+03	7.02E+03	3.38E+01	7.15E+03	2.60E+01	8.53E-01	2.12E-01	2.64E+02
Chlorobenzene	1.02E+07	1.00E+04	2.63E+02	7.02E+02	9.32E+02	7.15E+03	NA	NA	NA	NA
Chloroethane	1.02E+07	5.00E+02	1.31E+01	1.38E+00	1.99E+04	7.15E+03	5.80E-01	1.52E-02	1.16E-02	1.18E+04
Chloroform	1.02E+07	2.00E+04	5.25E+02	4.65E+04	1.52E+02	7.15E+03	1.22E+00	3.20E-02	3.24E-01	4.54E+03
Chloromethane	1.02E+07	5.00E+04	1.31E+03	4.65E+01	1.99E+02	7.15E+03	2.60E+00	6.83E-02	2.52E-02	2.66E+03
2-Chloronaphthalene	1.02E+07	2.50E+03	6.56E+01	NA	3.98E+03	7.15E+03	NA	NA	NA	NA
m-Chlorotoluene	1.02E+07	1.00E+04	2.63E+02	NA	9.96E+02	7.15E+03	NA	NA	NA	NA
o-Chlorotoluene	1.02E+07	1.00E+04	2.63E+02	NA	9.96E+02	7.15E+03	NA	NA	NA	NA
p-Chlorotoluene	1.02E+07	1.00E+04	2.63E+02	NA	9.96E+02	7.15E+03	NA	NA	NA	NA
Cumene	1.02E+07	2.00E+03	5.83E+01	4.65E+02	4.05E+03	7.15E+03	NA	NA	NA	NA
Dibenzofuran	1.02E+07	5.00E+04	2.63E+03	NA	1.94E+02	7.15E+03	NA	NA	NA	NA
1,2-Dibromoethane	1.02E+07	NA	NA	NA	NA	7.15E+03	1.70E+04	6.11E+02	3.04E+00	4.06E-01
Dibromomethane	1.02E+07	2.00E+04	5.25E+02	1.74E+01	4.98E+02	7.15E+03	NA	NA	NA	NA
1,2-Dichlorobenzene	1.02E+07	2.22E+03	6.48E+01	4.65E+02	3.71E+03	7.15E+03	NA	NA	NA	NA
1,3-Dichlorobenzene	1.02E+07	2.22E+05	6.48E+03	NA	4.47E+01	7.15E+03	NA	NA	NA	NA
1,4-Dichlorobenzene	1.02E+07	6.67E+03	1.94E+02	1.74E+01	1.49E+03	7.15E+03	4.80E+00	1.40E-01	8.80E-02	1.42E+03
Dichlorodifluoromethane	1.02E+07	1.00E+03	3.28E+01	7.02E+01	9.27E+03	7.15E+03	NA	NA	NA	NA
1,1-Dichloroethane	1.02E+07	2.00E+03	5.25E+01	2.86E+01	4.91E+03	7.15E+03	NA	NA	NA	NA
1,2-Dichloroethane	1.02E+07	6.67E+03	1.75E+02	2.86E+03	1.05E+03	7.15E+03	1.82E+01	4.78E-01	3.64E-01	3.76E+02
1,1-Dichloroethene	1.02E+07	2.22E+04	5.83E+02	NA	4.48E+02	7.15E+03	1.20E+02	3.15E+00	7.20E-01	5.78E+01
2-Butanone	1.02E+07	3.33E+02	9.72E+00	1.38E+01	2.86E+04	7.15E+03	NA	NA	NA	NA
cis-1,2-Dichloroethene	1.02E+07	2.00E+04	5.25E+02	NA	4.98E+02	7.15E+03	NA	NA	NA	NA
trans-1,2-Dichloroethene	1.02E+07	1.00E+04	2.63E+02	NA	9.96E+02	7.15E+03	NA	NA	NA	NA
1,2-Dichloroethene	1.02E+07	2.22E+04	5.83E+02	NA	4.48E+02	7.15E+03	NA	NA	NA	NA
1,1-Dichloropropene	1.02E+07	6.67E+05	1.94E+04	7.02E+02	1.49E+01	7.15E+03	NA	NA	NA	NA

Table 2-8

Soil - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
cis-1,3-Dichloropropene	1.02E+07	6.67E+05	1.94E+04	7.02E+02	1.49E+01	7.15E+03	3.60E+01	1.05E+00	5.20E-01	1.90E+02
trans-1,3-Dichloropropene	1.02E+07	6.67E+05	1.94E+04	7.02E+02	1.49E+01	7.15E+03	3.60E+01	1.05E+00	5.20E-01	1.90E+02
1,2-Dichloropropane	1.02E+07	NA	NA	3.64E+03	2.81E+03	7.15E+03	1.36E+01	3.97E-01	NA	5.11E+02
1,3-Dichloropropane	1.02E+07	NA	NA	3.64E+03	2.81E+03	7.15E+03	NA	NA	NA	NA
2,2-Dichloropropane	1.02E+07	NA	NA	3.64E+03	2.81E+03	7.15E+03	NA	NA	NA	NA
Ethylbenzene	1.02E+07	2.00E+03	5.71E+01	1.38E+01	4.94E+03	7.15E+03	NA	NA	NA	NA
2-Hexanone	1.02E+07	5.00E+03	1.46E+02	2.86E+03	1.28E+03	7.15E+03	NA	NA	NA	NA
Isopropylbenzene	1.02E+07	2.00E+03	5.83E+01	3.64E+01	4.88E+03	7.15E+03	NA	NA	NA	NA
Methyl Chloride	1.02E+07	5.00E+04	1.31E+03	4.65E+01	1.99E+02	7.15E+03	2.60E+00	6.83E-02	2.52E-02	2.66E+03
Methylene Chloride	1.02E+07	3.33E+03	8.75E+01	4.65E+00	2.98E+03	7.15E+03	1.50E+00	3.94E-02	6.40E-03	4.63E+03
Methyl Isobutyl Ketone	1.02E+07	2.50E+03	7.29E+01	2.00E+02	3.69E+03	7.15E+03	NA	NA	NA	NA
4-Methyl-2-Pentanone	1.02E+07	2.50E+03	7.29E+01	2.00E+02	3.69E+03	7.15E+03	NA	NA	NA	NA
n-Propylbenzene	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
Naphthalene	1.02E+07	1.00E+04	2.63E+02	4.65E+03	6.85E+02	7.15E+03	NA	NA	NA	NA
Nitrobenzene	1.02E+07	4.00E+05	1.05E+04	6.67E+03	2.45E+01	7.15E+03	NA	NA	NA	NA
4-Nitrophenol	1.02E+07	2.50E+04	8.20E+02	NA	3.96E+02	7.15E+03	NA	NA	NA	NA
o-Nitrotoluene	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
p-Nitrotoluene	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
p-Cymene	1.02E+07	1.00E+03	2.92E+01	NA	9.93E+03	7.15E+03	NA	NA	NA	NA
Styrene	1.02E+07	1.00E+03	2.63E+01	1.38E+01	9.83E+03	7.15E+03	NA	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.02E+07	6.67E+03	2.50E+02	NA	1.48E+03	7.15E+03	5.20E+00	1.95E-01	1.04E-01	1.30E+03
1,1,2,2-Tetrachloroethane	1.02E+07	3.33E+03	1.25E+02	NA	2.96E+03	7.15E+03	4.00E+01	1.50E+00	8.00E-01	1.69E+02
Tetrachloroethene	1.02E+07	2.00E+04	5.25E+02	2.35E+01	4.97E+02	7.15E+03	1.04E+01	2.73E-01	8.00E-03	6.70E+02
Toluene	1.02E+07	1.00E+03	2.63E+01	3.64E+01	9.62E+03	7.15E+03	NA	NA	NA	NA
1,2,3-Trichlorobenzene	1.02E+07	2.00E+05	5.83E+03	NA	4.97E+01	7.15E+03	NA	NA	NA	NA
1,2,4-Trichlorobenzene	1.02E+07	2.00E+04	5.83E+02	7.02E+01	4.95E+02	7.15E+03	NA	NA	NA	NA
1,3,5-Trichlorobenzene	1.02E+07	2.00E+05	5.83E+03	NA	4.97E+01	7.15E+03	NA	NA	NA	NA
1,1,1-Trichloroethane	1.02E+07	1.00E+03	2.63E+01	1.38E+01	9.83E+03	7.15E+03	NA	NA	NA	NA
1,1,2-Trichloroethane	1.02E+07	5.00E+04	1.31E+03	NA	1.99E+02	7.15E+03	1.14E+01	2.99E-01	2.28E-01	6.00E+02
Trichloroethene	1.02E+07	3.33E+04	9.72E+02	NA	2.98E+02	7.15E+03	2.20E+00	6.42E-02	2.40E-02	3.13E+03
Trichlorofluoromethane	1.02E+07	6.67E+02	2.19E+01	2.00E+01	1.44E+04	7.15E+03	NA	NA	NA	NA
1,2,3-Trichloropropane	1.02E+07	3.33E+04	1.09E+03	NA	2.97E+02	7.15E+03	1.40E+03	4.59E+01	NA	4.95E+00
1,2,3-Trimethylbenzene	1.02E+07	4.00E+03	1.31E+02	2.35E+03	1.58E+03	7.15E+03	NA	NA	NA	NA
1,2,4-Trimethylbenzene	1.02E+07	4.00E+03	1.31E+02	2.35E+03	1.58E+03	7.15E+03	NA	NA	NA	NA
1,3,5-Trimethylbenzene	1.02E+07	4.00E+03	1.31E+02	2.35E+03	1.58E+03	7.15E+03	NA	NA	NA	NA
Vinyl Chloride	1.02E+07	NA	NA	NA	NA	7.15E+03	3.80E+02	9.98E+00	1.20E+00	1.83E+01
Xylenes	1.02E+07	1.00E+02	2.63E+00	NA	9.96E+04	7.15E+03	NA	NA	NA	NA
m,p-Xylenes	1.02E+07	1.00E+02	2.63E+00	NA	9.96E+04	7.15E+03	NA	NA	NA	NA
o-Xylene	1.02E+07	1.00E+02	2.63E+00	NA	9.96E+04	7.15E+03	NA	NA	NA	NA
1,2-Dimethylbenzene	1.02E+07	1.00E+02	2.63E+00	NA	9.96E+04	7.15E+03	NA	NA	NA	NA
Semi-Volatile Organic Compounds										
Acenaphthene	1.02E+07	3.33E+03	1.75E+02	NA	2.91E+03	7.15E+03	NA	NA	NA	NA
Acenaphthylene	1.02E+07	3.33E+03	1.75E+02	NA	2.91E+03	7.15E+03	NA	NA	NA	NA
Anthracene	1.02E+07	6.67E+02	2.50E+01	NA	1.48E+04	7.15E+03	NA	NA	NA	NA
Benzo(a)anthracene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+02	7.67E+00	1.24E+00	4.62E+01
Benzo(b)fluoranthene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+02	7.67E+00	1.24E+00	4.62E+01
Benzo(k)fluoranthene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+01	7.67E-01	1.24E-01	4.62E+02
Benzo(g,h,I)perylene	1.02E+07	6.67E+03	3.50E+02	NA	1.46E+03	7.15E+03	NA	NA	NA	NA
Benzo(a)pyrene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+03	7.67E+01	1.24E+01	4.62E+00
Benzoic Acid	1.02E+07	5.00E+01	1.31E+00	NA	1.99E+05	7.15E+03	NA	NA	NA	NA
bis(2-Chloroethoxy)methane	1.02E+07	6.67E+04	2.19E+03	NA	1.48E+02	7.15E+03	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	1.02E+07	1.00E+04	2.10E+02	NA	1.00E+03	7.15E+03	2.80E+00	5.88E-02	5.60E-02	2.45E+03
4-Bromodiphenyl ether	1.02E+07	3.45E+03	1.81E+02	NA	2.82E+03	7.15E+03	NA	NA	NA	NA
Butyl benzyl phthalate	1.02E+07	1.00E+03	2.10E+01	NA	1.00E+04	7.15E+03	NA	NA	NA	NA
Carbazole	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+00	2.10E-01	NA	1.70E+03
4-Chloroaniline	1.02E+07	5.00E+04	1.31E+03	NA	1.99E+02	7.15E+03	NA	NA	NA	NA
4-Chlorodiphenyl ether	1.02E+07	3.45E+03	1.81E+02	NA	2.82E+03	7.15E+03	NA	NA	NA	NA
4-Chloro-3-methylphenol	1.02E+07	4.00E+04	1.24E+03	NA	2.48E+02	7.15E+03	NA	NA	NA	NA
2-Chlorophenol	1.02E+07	4.00E+04	1.05E+03	NA	2.49E+02	7.15E+03	NA	NA	NA	NA
Chrysene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+00	4.79E-02	1.24E-02	4.71E+03
Dibenz(a,h)anthracene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+03	4.79E+01	1.24E+01	4.71E+00
Dibromochloromethane	1.02E+07	1.00E+04	2.92E+02	NA	9.93E+02	7.15E+03	1.68E+01	4.90E-01	NA	4.14E+02
3,3'-Dichlorobenzidine	1.02E+07	NA	NA	NA	NA	7.15E+03	9.00E+01	2.63E+00	NA	7.72E+01
2,4-Dichlorophenol	1.02E+07	6.67E+04	1.75E+03	NA	1.49E+02	7.15E+03	NA	NA	NA	NA
2,6-Dichlorophenol	1.02E+07	6.67E+04	1.75E+03	NA	1.49E+02	7.15E+03	NA	NA	NA	NA
Diethyl phthalate	1.02E+07	2.50E+02	5.25E+00	NA	4.00E+04	7.15E+03	NA	NA	NA	NA
2,4-Dimethylphenol	1.02E+07	1.00E+04	3.28E+02	NA	9.90E+02	7.15E+03	NA	NA	NA	NA
Dimethyl phthalate	1.02E+07	NA	NA	NA	NA	7.15E+03	NA	NA	NA	NA
4,6-Dintro-2-methylphenol	1.02E+07	2.00E+06	1.05E+05	NA	4.86E+00	7.15E+03	NA	NA	NA	NA

Table 2-8

Soil - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
2,4-Dinitrophenol	1.02E+07	1.00E+05	5.25E+03	NA	9.71E+01	7.15E+03	NA	NA	NA	NA
Di-n-butyl phthalate	1.02E+07	2.00E+03	2.33E+01	NA	5.05E+03	7.15E+03	NA	NA	NA	NA
Di-n-octyl phthalate	1.02E+07	1.00E+04	2.10E+02	NA	1.00E+03	7.15E+03	NA	NA	NA	NA
2,4-Dinitrotoluene	1.02E+07	1.00E+05	2.63E+03	NA	9.96E+01	7.15E+03	1.36E+02	3.57E+00	NA	5.13E+01
2,6-Dinitrotoluene	1.02E+07	2.00E+05	5.25E+03	NA	4.98E+01	7.15E+03	1.36E+02	3.57E+00	NA	5.13E+01
Fluoranthene	1.02E+07	5.00E+03	2.63E+02	NA	1.94E+03	7.15E+03	NA	NA	NA	NA
Fluorene	1.02E+07	5.00E+03	2.63E+02	NA	1.94E+03	7.15E+03	NA	NA	NA	NA
Hexachlorobenzene	1.02E+07	2.50E+05	7.29E+03	NA	3.97E+01	7.15E+03	3.20E+02	9.33E+00	6.40E+00	2.13E+01
Hexachlorobutadiene	1.02E+07	1.00E+06	2.92E+04	NA	9.93E+00	7.15E+03	1.56E+01	4.55E-01	3.12E-01	4.37E+02
Hexachlorocyclopentadiene	1.02E+07	2.86E+04	1.50E+03	2.00E+05	4.44E+01	7.15E+03	NA	NA	NA	NA
Hexachloroethane	1.02E+07	2.00E+05	5.83E+03	NA	4.97E+01	7.15E+03	2.80E+00	8.17E-02	5.60E-02	2.44E+03
Indeno(1,2,3-cd)pyrene	1.02E+07	NA	NA	NA	NA	7.15E+03	1.46E+02	7.67E+00	1.24E+00	4.62E+01
Isophorone	1.02E+07	1.00E+03	5.25E+01	NA	9.71E+03	7.15E+03	1.90E-01	9.98E-03	NA	3.58E+04
2-Methylnaphthalene	1.02E+07	1.00E+04	3.28E+02	4.65E+03	6.82E+02	7.15E+03	NA	NA	NA	NA
4-Methylnaphthalene	1.02E+07	1.00E+04	3.28E+02	4.65E+03	6.82E+02	7.15E+03	NA	NA	NA	NA
2-Methylphenol	1.02E+07	4.00E+03	1.24E+02	NA	2.48E+03	7.15E+03	NA	NA	NA	NA
4-Methylphenol	1.02E+07	4.00E+04	1.24E+03	NA	2.48E+02	7.15E+03	NA	NA	NA	NA
2-Nitroaniline	1.02E+07	6.67E+05	1.84E+04	7.02E+04	1.35E+01	7.15E+03	NA	NA	NA	NA
3-Nitroaniline	1.02E+07	6.67E+05	1.84E+04	NA	1.49E+01	7.15E+03	NA	NA	NA	NA
4-Nitroaniline	1.02E+07	6.67E+04	1.84E+03	NA	1.49E+02	7.15E+03	NA	NA	NA	NA
2-Nitrophenol	1.02E+07	2.50E+04	1.31E+03	NA	3.88E+02	7.15E+03	NA	NA	NA	NA
N-Nitrosodiphenylamine	1.02E+07	NA	NA	NA	NA	7.15E+03	9.80E-01	2.57E-02	NA	7.11E+03
N-Nitrosodi-n-propylamine	1.02E+07	NA	NA	NA	NA	7.15E+03	1.40E+03	3.68E+01	NA	4.98E+00
Pentachlorophenol	1.02E+07	6.67E+03	1.75E+02	NA	1.49E+03	7.15E+03	2.40E+01	6.30E-01	NA	2.90E+02
Phenanthrene	1.02E+07	6.67E+02	3.50E+01	NA	1.46E+04	7.15E+03	NA	NA	NA	NA
Phenol	1.02E+07	3.33E+02	9.21E+00	NA	2.98E+04	7.15E+03	NA	NA	NA	NA
Pyrene	1.02E+07	6.67E+03	2.19E+02	NA	1.48E+03	7.15E+03	NA	NA	NA	NA
2,4,5-Trichlorophenol	1.02E+07	2.00E+03	5.83E+01	NA	4.97E+03	7.15E+03	NA	NA	NA	NA
2,4,6-Trichlorophenol	1.02E+07	NA	NA	NA	NA	7.15E+03	2.20E+00	6.42E-02	4.40E-02	3.10E+03
Pesticides/PCBs (using SVOC equations)										
Aldrin	1.02E+07	6.67E+06	3.50E+05	NA	1.46E+00	7.15E+03	3.40E+03	1.79E+02	6.80E+01	1.96E+00
PCBs (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
PCBs (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	1.02E+07	2.86E+06	5.00E+05	NA	3.04E+00	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	1.02E+07	1.00E+07	1.75E+06	NA	8.70E-01	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	1.02E+07	NA	NA	NA	NA	7.15E+03	4.00E+02	6.30E+01	8.00E+00	1.52E+01
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Azinphos-methyl	1.02E+07	2.22E+06	7.29E+04	NA	4.45E+00	7.15E+03	NA	NA	NA	NA
alpha-BHC	1.02E+07	NA	NA	NA	NA	7.15E+03	1.26E+03	3.41E+01	2.52E+01	5.42E+00
beta-BHC	1.02E+07	NA	NA	NA	NA	7.15E+03	3.60E+02	1.04E+01	7.20E+00	1.89E+01
gamma-BHC (Lindane)	1.02E+07	6.67E+05	1.75E+04	NA	1.49E+01	7.15E+03	2.60E+02	6.83E+00	NA	2.68E+01
delta-BHC	1.02E+07	6.67E+05	1.90E+04	NA	1.49E+01	7.15E+03	NA	NA	NA	NA
Bolstar	1.02E+07	8.00E+06	2.33E+05	NA	1.24E+00	7.15E+03	NA	NA	NA	NA
Chlordane	1.02E+07	4.00E+05	5.51E+04	2.00E+04	2.15E+01	7.15E+03	7.00E+01	9.65E+00	1.40E+00	8.83E+01
Chlorpyrifos	1.02E+07	6.67E+04	1.94E+03	NA	1.49E+02	7.15E+03	NA	NA	NA	NA
Coumaphos	1.02E+07	8.00E+06	2.33E+05	NA	1.24E+00	7.15E+03	NA	NA	NA	NA
Dalapon	1.02E+07	6.67E+03	2.50E+02	NA	1.48E+03	7.15E+03	NA	NA	NA	NA
DDD	1.02E+07	NA	NA	NA	NA	7.15E+03	4.80E+01	4.20E+00	NA	1.37E+02
4,4'-DDD	1.02E+07	NA	NA	NA	NA	7.15E+03	4.80E+01	4.20E+00	NA	1.37E+02
DDE	1.02E+07	NA	NA	NA	NA	7.15E+03	6.80E+01	5.95E+00	NA	9.67E+01
4,4'-DDE	1.02E+07	NA	NA	NA	NA	7.15E+03	6.80E+01	5.95E+00	NA	9.67E+01
DDT	1.02E+07	4.00E+05	3.50E+04	NA	2.35E+01	7.15E+03	6.80E+01	5.95E+00	1.36E+00	9.50E+01
4,4'-DDT	1.02E+07	4.00E+05	3.50E+04	NA	2.35E+01	7.15E+03	6.80E+01	5.95E+00	1.36E+00	9.50E+01
Demeton	1.02E+07	5.00E+06	1.31E+05	NA	1.99E+00	7.15E+03	NA	NA	NA	NA
Diazinon	1.02E+07	2.22E+05	7.29E+03	NA	4.45E+01	7.15E+03	NA	NA	NA	NA

Table 2-8

Soil - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Dieldrin	1.02E+07	4.00E+06	2.10E+05	NA	2.43E+00	7.15E+03	3.20E+03	1.68E+02	6.40E+01	2.08E+00
1,2-Dibromo-3-chloropropane (DBCP)	1.02E+07	NA	NA	7.02E+04	1.46E+02	7.15E+03	2.80E+02	8.17E+00	9.60E-03	2.48E+01
Dichlorvos	1.02E+07	4.00E+05	1.05E+04	2.86E+04	2.33E+01	7.15E+03	5.80E+01	1.52E+00	NA	1.20E+02
Dimethoate	1.02E+07	1.00E+06	2.63E+04	NA	9.96E+00	7.15E+03	NA	NA	NA	NA
Dinoseb	1.02E+07	2.00E+03	5.25E+01	NA	4.98E+03	7.15E+03	NA	NA	NA	NA
Disulfoton	1.02E+07	5.00E+06	1.41E+05	NA	1.99E+00	7.15E+03	NA	NA	NA	NA
Endosulfan	1.02E+07	3.33E+04	1.09E+03	NA	2.97E+02	7.15E+03	NA	NA	NA	NA
Endosulfan II	1.02E+07	3.33E+04	1.09E+03	NA	2.97E+02	7.15E+03	NA	NA	NA	NA
Endodulfan sulfate	1.02E+07	3.33E+04	1.09E+03	NA	2.97E+02	7.15E+03	NA	NA	NA	NA
Endrin	1.02E+07	6.67E+05	3.50E+04	NA	1.46E+01	7.15E+03	NA	NA	NA	NA
Endrin aldehyde	1.02E+07	6.67E+06	3.50E+05	NA	1.46E+00	7.15E+03	NA	NA	NA	NA
Endrin Ketone	1.02E+07	6.67E+06	3.50E+05	NA	1.46E+00	7.15E+03	NA	NA	NA	NA
Ethoprop	1.02E+07	5.00E+07	1.41E+06	NA	1.99E-01	7.15E+03	NA	NA	NA	NA
Famphur	1.02E+07	8.00E+06	2.33E+05	NA	1.24E+00	7.15E+03	NA	NA	NA	NA
Fensulfothion	1.02E+07	8.00E+06	2.33E+05	NA	1.24E+00	7.15E+03	NA	NA	NA	NA
Fenthion	1.02E+07	8.00E+06	2.33E+05	NA	1.24E+00	7.15E+03	NA	NA	NA	NA
Heptachlor	1.02E+07	4.00E+05	1.27E+04	NA	2.48E+01	7.15E+03	9.00E+02	2.85E+01	1.80E+01	7.56E+00
Heptachlor Epoxide	1.02E+07	1.54E+07	4.87E+05	NA	6.44E-01	7.15E+03	1.82E+03	5.76E+01	3.64E+01	3.74E+00
Malathion	1.02E+07	1.00E+04	3.05E+02	NA	9.92E+02	7.15E+03	NA	NA	NA	NA
Merphos	1.02E+07	6.67E+06	1.94E+05	NA	1.49E+00	7.15E+03	NA	NA	NA	NA
Methoxychlor	1.02E+07	4.00E+04	1.05E+03	NA	2.49E+02	7.15E+03	NA	NA	NA	NA
Methyl parathion	1.02E+07	8.00E+05	2.33E+04	NA	1.24E+01	7.15E+03	NA	NA	NA	NA
Mevinphos	1.02E+07	8.00E+06	2.47E+05	NA	1.24E+00	7.15E+03	NA	NA	NA	NA
Naled	1.02E+07	1.00E+05	2.92E+03	NA	9.93E+01	7.15E+03	NA	NA	NA	NA
Parathion	1.02E+07	3.33E+04	9.72E+02	NA	2.98E+02	7.15E+03	NA	NA	NA	NA
Phorate	1.02E+07	1.00E+06	2.63E+04	NA	9.96E+00	7.15E+03	NA	NA	NA	NA
Ronnel	1.02E+07	4.00E+03	1.17E+02	NA	2.48E+03	7.15E+03	NA	NA	NA	NA
Stirophos	1.02E+07	6.67E+03	1.75E+02	NA	1.49E+03	7.15E+03	NA	NA	NA	NA
Sulfotep	1.02E+07	4.00E+05	1.17E+04	NA	2.48E+01	7.15E+03	NA	NA	NA	NA
Thionazin	1.02E+07	2.22E+06	6.48E+04	NA	4.47E+00	7.15E+03	NA	NA	NA	NA
Tokuthion	1.02E+07	4.00E+04	1.17E+03	NA	2.48E+02	7.15E+03	NA	NA	NA	NA
Toxaphene	1.02E+07	NA	NA	NA	NA	7.15E+03	2.20E+02	6.42E+00	4.40E+00	3.10E+01
Trichloronate	1.02E+07	4.00E+04	1.17E+03	NA	2.48E+02	7.15E+03	NA	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.02E+07	8.00E+07	2.33E+06	NA	1.24E-01	7.15E+03	NA	NA	NA	NA
Herbicides (using SVOC equations)										
2,4-D	1.02E+07	2.00E+04	5.25E+02	NA	4.98E+02	7.15E+03	NA	NA	NA	NA
2,4-DB	1.02E+07	2.50E+04	6.56E+02	NA	3.98E+02	7.15E+03	NA	NA	NA	NA
Dicamba	1.02E+07	6.67E+03	1.75E+02	NA	1.49E+03	7.15E+03	NA	NA	NA	NA
Dichloroprop	1.02E+07	2.50E+05	7.29E+03	NA	3.97E+01	7.15E+03	NA	NA	NA	NA
MCPA	1.02E+07	4.00E+05	1.13E+04	NA	2.48E+01	7.15E+03	NA	NA	NA	NA
MCPP	1.02E+07	2.00E+05	5.65E+03	NA	4.97E+01	7.15E+03	NA	NA	NA	NA
2,4,5-T	1.02E+07	2.00E+04	5.71E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
2,4,5-TP	1.02E+07	2.50E+04	7.29E+02	NA	3.97E+02	7.15E+03	NA	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)										
TCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+07	8.75E+05	4.40E+05	2.28E-04
TCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+05	8.75E+03	4.40E+03	2.28E-02
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+05	8.75E+03	4.40E+03	2.28E-02
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+05	8.75E+03	4.40E+03	2.28E-02
1,2,3,4,7,8-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
1,2,3,6,7,8-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
2,3,4,6,7,8-Hexachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+06	8.75E+04	4.40E+04	2.28E-03
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	7.15E+03	1.50E+07	4.38E+05	2.20E+05	4.57E-04
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	1.50E+06	4.38E+04	2.20E+04	4.57E-03
2,3,4,7,8-Pentachlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	1.50E+07	4.38E+05	2.20E+05	4.57E-04

Table 2-8

Soil - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer					Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/kg)
Octochlorodibenzofuran	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+04	8.75E+02	4.40E+02	2.28E-01
Octochlorodibenzo-p-dioxin	1.02E+07	NA	NA	NA	NA	7.15E+03	3.00E+04	8.75E+02	4.40E+02	2.28E-01
Chemical Agent Breakdown (using SVOC equations)										
p-Chlorophenylmethylsulfone	1.02E+07	4.00E+05	1.17E+04	NA	2.48E+01	7.15E+03	NA	NA	NA	NA
p-Chlorophenylmethylsulfoxide	1.02E+07	4.00E+05	1.17E+04	NA	2.48E+01	7.15E+03	NA	NA	NA	NA
1,4-Dithiane	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
1,4-Oxathiane	1.02E+07	2.00E+05	5.83E+03	NA	4.97E+01	7.15E+03	NA	NA	NA	NA
Thiodiglycol	1.02E+07	5.00E+03	1.46E+02	7.02E+02	1.75E+03	7.15E+03	NA	NA	NA	NA
Diisopropylmethylphosphonic Acid	1.02E+07	2.50E+03	7.29E+01	NA	3.97E+03	7.15E+03	NA	NA	NA	NA
Dimethylmethylphosphonic Acid	1.02E+07	2.50E+03	7.29E+01	NA	3.97E+03	7.15E+03	NA	NA	NA	NA
Ethylmethylphosphonic Acid	1.02E+07	2.50E+03	7.29E+01	NA	3.97E+03	7.15E+03	NA	NA	NA	NA
Isopropylmethylphosphonic Acid	1.02E+07	2.00E+03	5.83E+01	NA	4.97E+03	7.15E+03	NA	NA	NA	NA
Methylphosphonic Acid	1.02E+07	2.50E+03	7.29E+01	NA	3.97E+03	7.15E+03	NA	NA	NA	NA
Explosives (using SVOC equations)										
2-Amino-4,6-dinitrotoluene	1.02E+07	3.33E+06	1.46E+05	NA	2.94E+00	7.15E+03	NA	NA	NA	NA
4-Amino-2,6-dinitrotoluene	1.02E+07	3.33E+06	1.46E+05	NA	2.94E+00	7.15E+03	NA	NA	NA	NA
1,3-Dinitrobenzene	1.02E+07	2.00E+06	6.56E+04	NA	4.95E+00	7.15E+03	NA	NA	NA	NA
2,4-Dinitrotoluene	1.02E+07	1.00E+05	2.63E+03	NA	9.96E+01	7.15E+03	1.36E+02	3.57E+00	NA	5.13E+01
2,6-Dinitrotoluene	1.02E+07	2.00E+05	5.25E+03	NA	4.98E+01	7.15E+03	1.36E+02	3.57E+00	NA	5.13E+01
HMX	1.02E+07	4.00E+03	7.00E+02	NA	2.17E+03	7.15E+03	NA	NA	NA	NA
RDX	1.02E+07	6.67E+04	1.84E+03	NA	1.49E+02	7.15E+03	2.00E+01	5.53E-01	NA	3.48E+02
Tetryl	1.02E+07	2.00E+04	5.83E+02	NA	4.97E+02	7.15E+03	NA	NA	NA	NA
1,3,5-Trinitrobenzene	1.02E+07	6.67E+03	2.92E+02	NA	1.47E+03	7.15E+03	NA	NA	NA	NA
2,4,6-Trinitrotoluene	1.02E+07	4.00E+05	1.75E+04	NA	2.45E+01	7.15E+03	6.00E+00	2.63E-01	NA	1.14E+03

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Inorganics						
Aluminum	4.69E+06	3.13E-03	1.50E+09	3.29E+02	NA	NA
Antimony	4.69E+06	2.61E+02	1.80E+04	3.29E+02	NA	NA
Arsenic	4.69E+06	1.39E+02	3.37E+04	3.29E+02	6.26E-02	5.24E+03
Barium	4.69E+06	1.68E-01	2.80E+07	3.29E+02	NA	NA
Beryllium	4.69E+06	2.61E+00	1.80E+06	3.29E+02	NA	NA
Cadmium (solid media)	4.69E+06	1.58E+02	2.97E+04	3.29E+02	NA	NA
Cadmium (water)	NA	NA	NA	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA
Chromium III	4.69E+06	1.44E-02	3.27E+08	3.29E+02	NA	NA
Chromium VI	4.69E+06	7.18E+00	6.54E+05	3.29E+02	NA	NA
Cobalt	4.69E+06	3.48E+00	1.35E+06	3.29E+02	NA	NA
Copper	4.69E+06	5.22E+01	8.99E+04	3.29E+02	NA	NA
Cyanide	4.69E+06	NA	NA	3.29E+02	NA	NA
Iron	4.69E+06	1.39E-01	3.37E+07	3.29E+02	NA	NA
Lead[b]	NA	NA	4.00E+02	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA
Manganese	4.69E+06	1.11E+00	4.23E+06	3.29E+02	NA	NA
Mercury	4.69E+06	3.92E+05	1.20E+01	3.29E+02	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA
Molybdenum	4.69E+06	1.57E+02	3.00E+04	3.29E+02	NA	NA
Nickel	4.69E+06	9.40E+00	4.99E+05	3.29E+02	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA
Selenium	4.69E+06	3.92E+01	1.20E+05	3.29E+02	NA	NA
Silver	4.69E+06	1.25E+02	3.75E+04	3.29E+02	NA	NA
Thallium	4.69E+06	1.28E+03	3.65E+03	3.29E+02	NA	NA
Vanadium	4.69E+06	1.03E+00	4.58E+06	3.29E+02	NA	NA
Zinc	4.69E+06	2.61E+02	1.80E+04	3.29E+02	NA	NA
Volatile Organic Compounds						
Acetone	4.69E+06	NA	NA	3.29E+02	NA	NA
Benzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Bis(2-chloroethyl)ether	4.69E+06	NA	NA	3.29E+02	NA	NA
bis(2-Chloroisopropyl)ether	4.69E+06	NA	NA	3.29E+02	NA	NA
Bromobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Bromochloromethane	4.69E+06	NA	NA	3.29E+02	NA	NA
Bromodichloromethane	4.69E+06	NA	NA	3.29E+02	NA	NA
Bromoform	4.69E+06	NA	NA	3.29E+02	NA	NA
Bromomethane	4.69E+06	NA	NA	3.29E+02	NA	NA
n-Butylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
sec-Butylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
tert-Butylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Carbon disulfide	4.69E+06	NA	NA	3.29E+02	NA	NA
Carbon tetrachloride	4.69E+06	NA	NA	3.29E+02	NA	NA

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Chlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Chloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA
Chloroform	4.69E+06	NA	NA	3.29E+02	NA	NA
Chloromethane	4.69E+06	NA	NA	3.29E+02	NA	NA
2-Chloronaphthalene	4.69E+06	NA	NA	3.29E+02	NA	NA
m-Chlorotoluene	4.69E+06	NA	NA	3.29E+02	NA	NA
o-Chlorotoluene	4.69E+06	NA	NA	3.29E+02	NA	NA
p-Chlorotoluene	4.69E+06	NA	NA	3.29E+02	NA	NA
Cumene	4.69E+06	NA	NA	3.29E+02	NA	NA
Dibenzofuran	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2-Dibromoethane	4.69E+06	NA	NA	3.29E+02	NA	NA
Dibromomethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2-Dichlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,3-Dichlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,4-Dichlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Dichlorodifluoromethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1-Dichloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2-Dichloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1-Dichloroethene	4.69E+06	NA	NA	3.29E+02	NA	NA
2-Butanone	4.69E+06	NA	NA	3.29E+02	NA	NA
cis-1,2-Dichloroethene	4.69E+06	NA	NA	3.29E+02	NA	NA
trans-1,2-Dichloroethene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1-Dichloroethene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1-Dichloropropene	4.69E+06	NA	NA	3.29E+02	NA	NA
cis-1,3-Dichloropropene	4.69E+06	NA	NA	3.29E+02	NA	NA
trans-1,3-Dichloropropene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2-Dichloropropane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,3-Dichloropropane	4.69E+06	NA	NA	3.29E+02	NA	NA
2,2-Dichloropropane	4.69E+06	NA	NA	3.29E+02	NA	NA
Ethylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
2-Hexanone	4.69E+06	NA	NA	3.29E+02	NA	NA
Isopropylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Methyl Chloride	4.69E+06	NA	NA	3.29E+02	NA	NA
Methylene Chloride	4.69E+06	NA	NA	3.29E+02	NA	NA
Methyl Isobutyl Ketone	4.69E+06	NA	NA	3.29E+02	NA	NA
4-Methyl-2-Pentanone	4.69E+06	NA	NA	3.29E+02	NA	NA
n-Propylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Naphthalene	4.69E+06	NA	NA	3.29E+02	NA	NA
Nitrobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
4-Nitrophenol	4.69E+06	NA	NA	3.29E+02	NA	NA
o-Nitrotoluene	4.69E+06	NA	NA	3.29E+02	NA	NA
p-Nitrotoluene	4.69E+06	NA	NA	3.29E+02	NA	NA
p-Cymene	4.69E+06	NA	NA	3.29E+02	NA	NA
Styrene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1,1,2-Tetrachloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1,2,2-Tetrachloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Tetrachloroethene	4.69E+06	NA	NA	3.29E+02	NA	NA
Toluene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2,3-Trichlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2,4-Trichlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,3,5-Trichlorobenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1,1-Trichloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,1,2-Trichloroethane	4.69E+06	NA	NA	3.29E+02	NA	NA
Trichloroethene	4.69E+06	NA	NA	3.29E+02	NA	NA
Trichlorofluoromethane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2,3-Trichloropropane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2,3-Trimethylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2,4-Trimethylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,3,5-Trimethylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Vinyl Chloride	4.69E+06	NA	NA	3.29E+02	NA	NA
Xylenes	4.69E+06	NA	NA	3.29E+02	NA	NA
m,p-Xylenes	4.69E+06	NA	NA	3.29E+02	NA	NA
o-Xylene	4.69E+06	NA	NA	3.29E+02	NA	NA
1,2-Dimethylbenzene	4.69E+06	NA	NA	3.29E+02	NA	NA
Semi-Volatile Organic Compounds						
Acenaphthene	4.69E+06	4.05E-01	1.16E+07	3.29E+02	NA	NA
Acenaphthylene	4.69E+06	4.42E-01	1.06E+07	3.29E+02	NA	NA
Anthracene	4.69E+06	1.28E-01	3.67E+07	3.29E+02	NA	NA
Benzo(a)anthracene	4.69E+06	NA	NA	3.29E+02	9.07E-02	3.62E+03
Benzo(b)fluoranthene	4.69E+06	NA	NA	3.29E+02	1.42E-01	2.32E+03
Benzo(k)fluoranthene	4.69E+06	NA	NA	3.29E+02	1.34E-02	2.46E+04
Benzo(g,h,I)perylene	4.69E+06	9.37E+00	5.01E+05	3.29E+02	NA	NA
Benzo(a)pyrene	4.69E+06	NA	NA	3.29E+02	1.47E+00	2.23E+02
Benzoic Acid	4.69E+06	7.81E-04	6.01E+09	3.29E+02	NA	NA
bis(2-Chloroethoxy)methane	4.69E+06	3.51E-01	1.34E+07	3.29E+02	NA	NA
bis (2-ethylhexyl) phthalate	4.69E+06	3.64E+00	1.29E+06	3.29E+02	1.02E-03	3.22E+05
4-Bromodiphenyl ether	4.69E+06	1.42E+00	3.30E+06	3.29E+02	NA	NA
Butyl benzyl phthalate	4.69E+06	1.84E-01	2.55E+07	3.29E+02	NA	NA
Carbazole	4.69E+06	NA	NA	3.29E+02	3.26E-04	1.01E+06
4-Chloroaniline	4.69E+06	7.81E-01	6.01E+06	3.29E+02	NA	NA
4-Chlorodiphenyl ether	4.69E+06	4.61E-01	1.02E+07	3.29E+02	NA	NA
4-Chloro-3-methylphenol	4.69E+06	2.06E+00	2.27E+06	3.29E+02	NA	NA
2-Chlorophenol	4.69E+06	8.28E-01	5.67E+06	3.29E+02	NA	NA
Chrysene	4.69E+06	NA	NA	3.29E+02	9.07E-04	3.62E+05
Dibenz(a,h)anthracene	4.69E+06	NA	NA	3.29E+02	2.85E+00	1.15E+02
Dibromochloromethane	4.69E+06	2.22E-01	2.12E+07	3.29E+02	3.72E-04	8.82E+05
3,3'-Dichlorobenzidine	4.69E+06	NA	NA	3.29E+02	6.92E-03	4.75E+04
2,4-Dichlorophenol	4.69E+06	2.89E+00	1.62E+06	3.29E+02	NA	NA
2,6-Dichlorophenol	4.69E+06	2.45E+00	1.92E+06	3.29E+02	NA	NA
Diethyl phthalate	4.69E+06	7.00E-03	6.71E+08	3.29E+02	NA	NA
2,4-Dimethylphenol	4.69E+06	2.37E-01	1.98E+07	3.29E+02	NA	NA

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Dimethyl phthalate	4.69E+06	NA	NA	3.29E+02	NA	NA
4,6-Dintro-2-methylphenol	4.69E+06	6.11E+01	7.68E+04	3.29E+02	NA	NA
2,4-Dinitrophenol	4.69E+06	1.13E+00	4.14E+06	3.29E+02	NA	NA
Di-n-butyl phthalate	4.69E+06	2.81E-01	1.67E+07	3.29E+02	NA	NA
Di-n-octyl phthalate	4.69E+06	2.20E+02	2.14E+04	3.29E+02	NA	NA
2,4-Dinitrotoluene	4.69E+06	1.74E+00	2.70E+06	3.29E+02	2.36E-03	1.39E+05
2,6-Dinitrotoluene	4.69E+06	2.70E+00	1.74E+06	3.29E+02	1.84E-03	1.79E+05
Fluoranthene	4.69E+06	1.56E+00	3.01E+06	3.29E+02	NA	NA
Fluorene	4.69E+06	7.37E-01	6.37E+06	3.29E+02	NA	NA
Hexachlorobenzene	4.69E+06	1.11E+02	4.25E+04	3.29E+02	1.41E-01	2.32E+03
Hexachlorobutadiene	4.69E+06	2.64E+02	1.78E+04	3.29E+02	4.12E-03	7.97E+04
Hexachlorocyclopentadiene	4.69E+06	8.56E+00	5.48E+05	3.29E+02	NA	NA
Hexachloroethane	4.69E+06	2.31E+01	2.03E+05	3.29E+02	3.24E-04	1.01E+06
Indeno(1,2,3-cd)pyrene	4.69E+06	NA	NA	3.29E+02	2.22E-01	1.48E+03
Isophorone	4.69E+06	1.32E-02	3.54E+08	3.29E+02	2.52E-06	1.31E+08
2-Methylnaphthalene	4.69E+06	1.08E+00	4.34E+06	3.29E+02	NA	NA
4-Methylnaphthalene	4.69E+06	1.09E+00	4.30E+06	3.29E+02	NA	NA
2-Methylphenol	4.69E+06	6.75E-02	6.95E+07	3.29E+02	NA	NA
4-Methylphenol	4.69E+06	6.69E-01	7.02E+06	3.29E+02	NA	NA
2-Nitroaniline	4.69E+06	1.02E+01	4.59E+05	3.29E+02	NA	NA
3-Nitroaniline	4.69E+06	6.41E+00	7.32E+05	3.29E+02	NA	NA
4-Nitroaniline	4.69E+06	6.53E-01	7.18E+06	3.29E+02	NA	NA
2-Nitrophenol	4.69E+06	4.06E-01	1.16E+07	3.29E+02	NA	NA
N-Nitrosodiphenylamine	4.69E+06	NA	NA	3.29E+02	5.21E-05	6.31E+06
N-Nitrosodi-n-propylamine	4.69E+06	NA	NA	3.29E+02	1.36E-02	2.42E+04
Pentachlorophenol	4.69E+06	5.03E+00	9.33E+05	3.29E+02	1.81E-02	1.81E+04
Phenanthrene	4.69E+06	1.44E-01	3.27E+07	3.29E+02	NA	NA
Phenol	4.69E+06	3.50E-03	1.34E+09	3.29E+02	NA	NA
Pyrene	4.69E+06	1.94E+00	2.42E+06	3.29E+02	NA	NA
2,4,5-Trichlorophenol	4.69E+06	2.18E-01	2.15E+07	3.29E+02	NA	NA
2,4,6-Trichlorophenol	4.69E+06	NA	NA	3.29E+02	2.01E-04	1.63E+06
Pesticides/PCBs (using SVOC equations)						
Aldrin	4.69E+06	3.15E+02	1.49E+04	3.29E+02	1.61E-01	2.04E+03
PCBs (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	6.96E-01	4.72E+02
PCBs (water)	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	4.69E+06	1.67E+03	2.80E+03	3.29E+02	2.34E-01	1.40E+03
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	9.77E-02	3.36E+03
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	1.44E-01	2.28E+03
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	2.34E-01	1.40E+03
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	4.20E-01	7.82E+02
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Aroclor 1254 (solid media, food chain)	4.69E+06	1.40E+04	3.34E+02	3.29E+02	5.62E-01	5.85E+02
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	7.52E-01	4.37E+02
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	NA	NA
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	4.69E+06	NA	NA	3.29E+02	NA	NA
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA
Azinphos-methyl	4.69E+06	7.93E+01	5.92E+04	3.29E+02	NA	NA
alpha-BHC	4.69E+06	NA	NA	3.29E+02	1.28E-01	2.56E+03
beta-BHC	4.69E+06	NA	NA	3.29E+02	3.78E-02	8.70E+03
gamma-BHC (Lindane)	4.69E+06	6.29E+01	7.47E+04	3.29E+02	2.45E-02	1.34E+04
delta-BHC	4.69E+06	9.45E+01	4.96E+04	3.29E+02	NA	NA
Bolstar	4.69E+06	4.17E+03	1.12E+03	3.29E+02	NA	NA
Chlordane	4.69E+06	2.21E+02	2.12E+04	3.29E+02	3.87E-02	8.49E+03
Chlorpyrifos	4.69E+06	2.10E+01	2.24E+05	3.29E+02	NA	NA
Coumaphos	4.69E+06	1.12E+03	4.18E+03	3.29E+02	NA	NA
Dalapon	4.69E+06	3.54E-02	1.32E+08	3.29E+02	NA	NA
DDD	4.69E+06	NA	NA	3.29E+02	3.42E-02	9.62E+03
4,4'-DDD	4.69E+06	NA	NA	3.29E+02	3.42E-02	9.62E+03
DDE	4.69E+06	NA	NA	3.29E+02	4.35E-02	7.55E+03
4,4'-DDE	4.69E+06	NA	NA	3.29E+02	4.35E-02	7.55E+03
DDT	4.69E+06	4.90E+02	9.57E+03	3.29E+02	8.34E-02	3.94E+03
4,4'-DDT	4.69E+06	4.90E+02	9.57E+03	3.29E+02	8.34E-02	3.94E+03
Demeton	4.69E+06	NA	NA	3.29E+02	NA	NA
Diazinon	4.69E+06	1.57E+01	3.00E+05	3.29E+02	NA	NA
Dieldrin	4.69E+06	8.53E+02	5.50E+03	3.29E+02	6.83E-01	4.81E+02
1,2-Dibromo-3-chloropropane (DBCP)	4.69E+06	NA	NA	3.29E+02	1.26E-02	2.60E+04
Dichlorvos	4.69E+06	4.24E+00	1.11E+06	3.29E+02	6.14E-04	5.35E+05
Dimethoate	4.69E+06	5.42E+00	8.66E+05	3.29E+02	NA	NA
Dinoseb	4.69E+06	4.70E-02	9.99E+07	3.29E+02	NA	NA
Disulfoton	4.69E+06	6.31E+02	7.44E+03	3.29E+02	NA	NA
Endosulfan	4.69E+06	2.49E+00	1.89E+06	3.29E+02	NA	NA
Endosulfan II	4.69E+06	2.49E+00	1.89E+06	3.29E+02	NA	NA
Endodulfan sulfate	4.69E+06	2.49E+00	1.89E+06	3.29E+02	NA	NA
Endrin	4.69E+06	1.42E+02	3.30E+04	3.29E+02	NA	NA
Endrin aldehyde	4.69E+06	3.91E+03	1.20E+03	3.29E+02	NA	NA
Endrin ketone	4.69E+06	NA	NA	3.29E+02	NA	NA
Ethoprop	4.69E+06	4.16E+03	1.13E+03	3.29E+02	NA	NA
Famphur	4.69E+06	1.86E+02	2.52E+04	3.29E+02	NA	NA
Fensulfothion	4.69E+06	1.77E+02	2.65E+04	3.29E+02	NA	NA
Fenthion	4.69E+06	1.08E+03	4.34E+03	3.29E+02	NA	NA
Heptachlor	4.69E+06	6.44E+01	7.29E+04	3.29E+02	1.45E-01	2.27E+03
Heptachlor Epoxide	4.69E+06	7.42E+03	6.32E+02	3.29E+02	8.78E-01	3.74E+02
Malathion	4.69E+06	2.52E-01	1.87E+07	3.29E+02	NA	NA
Merphos	4.69E+06	2.92E+04	1.61E+02	3.29E+02	NA	NA

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Methoxychlor	4.69E+06	8.29E+00	5.66E+05	3.29E+02	NA	NA
Methyl parathion	4.69E+06	3.27E+01	1.43E+05	3.29E+02	NA	NA
Mevinphos	4.69E+06	NA	NA	3.29E+02	NA	NA
Naled	4.69E+06	9.71E-01	4.84E+06	3.29E+02	NA	NA
Parathion	4.69E+06	3.50E+00	1.34E+06	3.29E+02	NA	NA
Phorate	4.69E+06	1.15E+02	4.10E+04	3.29E+02	NA	NA
Ronnel	4.69E+06	1.28E+00	3.66E+06	3.29E+02	NA	NA
Stirophos	4.69E+06	5.23E-01	8.98E+06	3.29E+02	NA	NA
Sulfotep	4.69E+06	4.90E+01	9.57E+04	3.29E+02	NA	NA
Thionazin	4.69E+06	NA	NA	3.29E+02	NA	NA
Tokuthion	4.69E+06	NA	NA	3.29E+02	NA	NA
Toxaphene	4.69E+06	NA	NA	3.29E+02	6.04E-02	5.44E+03
Trichloronate	4.69E+06	1.64E+01	2.87E+05	3.29E+02	NA	NA
O,O,O-Triethyl phosphorothioate	4.69E+06	NA	NA	3.29E+02	NA	NA
Herbicides (using SVOC equations)						
2,4-D	4.69E+06	7.79E-01	6.02E+06	3.29E+02	NA	NA
2,4-DB	4.69E+06	1.96E+00	2.39E+06	3.29E+02	NA	NA
Dicamba	4.69E+06	1.45E-01	3.24E+07	3.29E+02	NA	NA
Dichloroprop	4.69E+06	NA	NA	3.29E+02	NA	NA
MCPA	4.69E+06	7.59E+00	6.18E+05	3.29E+02	NA	NA
MCPP	4.69E+06	1.06E+01	4.41E+05	3.29E+02	NA	NA
2,4,5-T	4.69E+06	1.33E+00	3.53E+06	3.29E+02	NA	NA
2,4,5-TP	4.69E+06	2.55E+00	1.84E+06	3.29E+02	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)						
TCDD	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	4.69E+06	NA	NA	3.29E+02	6.99E+04	4.70E-03
TCDF	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	4.69E+06	NA	NA	3.29E+02	4.21E+03	7.79E-02
1,2,3,4,6,7,8-Heptachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	1.81E+03	1.81E-01
HpCDD	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	4.69E+06	NA	NA	3.29E+02	2.20E+03	1.49E-01
HpCDF	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	1.81E+03	1.81E-01
1,2,3,4,7,8-Hexachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	1.11E+04	2.95E-02
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	4.69E+06	NA	NA	3.29E+02	1.49E+04	2.20E-02
1,2,3,6,7,8-Hexachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	1.11E+04	2.95E-02
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	4.69E+06	NA	NA	3.29E+02	1.49E+04	2.20E-02
HxCDF	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	1.11E+04	2.95E-02
HxCDD	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	4.69E+06	NA	NA	3.29E+02	1.49E+04	2.20E-02
2,3,4,6,7,8-Hexachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	1.11E+04	2.95E-02
PeCDD	NA	NA	NA	NA	NA	NA

Table 2-9

Soil - Recreational Site User
Venison SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	4.69E+06	NA	NA	3.29E+02	5.57E+04	5.90E-03
PeCDF	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	3.43E+03	9.59E-02
2,3,4,7,8-Pentachlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	3.43E+04	9.59E-03
Octochlorodibenzofuran	4.69E+06	NA	NA	3.29E+02	3.94E+02	8.34E-01
Octochlorodibenzo-p-dioxin	4.69E+06	NA	NA	3.29E+02	3.24E+02	1.01E+00
Chemical Agent Breakdown (using SVOC equations)						
p-Chlorophenylmethylsulfone	4.69E+06	NA	NA	3.29E+02	NA	NA
p-Chlorophenylmethylsulfoxide	4.69E+06	NA	NA	3.29E+02	NA	NA
1,4-Dithiane	4.69E+06	NA	NA	3.29E+02	NA	NA
1,4-Oxathiane	4.69E+06	NA	NA	3.29E+02	NA	NA
Thiodiglycol	4.69E+06	NA	NA	3.29E+02	NA	NA
Diisopropylmethylphosphonic Acid	4.69E+06	1.73E-02	2.72E+08	3.29E+02	NA	NA
Dimethylmethylphosphonic Acid	4.69E+06	1.73E-02	2.72E+08	3.29E+02	NA	NA
Ethylmethylphosphonic Acid	4.69E+06	1.73E-02	2.72E+08	3.29E+02	NA	NA
Isopropylmethylphosphonic Acid	4.69E+06	1.38E-02	3.40E+08	3.29E+02	NA	NA
Methylphosphonic Acid	4.69E+06	1.73E-02	2.72E+08	3.29E+02	NA	NA
Explosives (using SVOC equations)						
2-Amino-4,6-dinitrotoluene	4.69E+06	4.01E+01	1.17E+05	3.29E+02	NA	NA
4-Amino-2,6-dinitrotoluene	4.69E+06	4.01E+01	1.17E+05	3.29E+02	NA	NA
1,3-Dinitrobenzene	4.69E+06	2.16E+01	2.17E+05	3.29E+02	NA	NA
2,4-Dinitrotoluene	4.69E+06	1.74E+00	2.70E+06	3.29E+02	2.36E-03	1.39E+05
2,6-Dinitrotoluene	4.69E+06	2.70E+00	1.74E+06	3.29E+02	1.84E-03	1.79E+05
HMX	4.69E+06	1.19E-02	3.96E+08	3.29E+02	NA	NA
RDX	4.69E+06	3.94E-01	1.19E+07	3.29E+02	1.18E-04	2.78E+06
Tetryl	4.69E+06	3.69E-01	1.27E+07	3.29E+02	NA	NA
1,3,5-Trinitrobenzene	4.69E+06	5.33E-02	8.81E+07	3.29E+02	NA	NA
2,4,6-Trinitrotoluene	4.69E+06	4.81E+00	9.76E+05	3.29E+02	7.21E-05	4.56E+06

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 2-10

Groundwater - Residential SSSLs
Fort McClellan, Calhoun County, Alabama

(Page 1 of 4)

Chemical	Noncancer Child Numerator	Noncancer Child Oral	Noncancer Child Dermal	Noncancer Child Inhalation	Noncancer Child SSSL (mg/L)	Noncancer Adult Numerator	Noncancer Adult Oral	Noncancer Adult Inhalation	Noncancer Adult SSSL (mg/L)	Final Noncancer SSSL (mg/L)	Cancer Numerator	Cancer Oral	Cancer Dermal	Cancer Inhalation	Cancer SSSL (mg/L)
Inorganics															
Aluminum	1.56E+00	1.00E+00	—	—	1.56E+00	—	—	—	—	1.56E+00	7.30E-05	NA	—	—	NA
Antimony	1.56E+00	2.50E+03	—	—	6.26E-04	—	—	—	—	6.26E-04	7.30E-05	NA	—	—	NA
Arsenic	1.56E+00	3.33E+03	—	—	4.69E-04	—	—	—	—	4.69E-04	7.30E-05	1.64E+00	—	—	4.46E-05
Barium	1.56E+00	1.43E+01	—	—	1.10E-01	—	—	—	—	1.10E-01	7.30E-05	NA	—	—	NA
Beryllium	1.56E+00	5.00E+02	—	—	3.13E-03	—	—	—	—	3.13E-03	7.30E-05	NA	—	—	NA
Cadmium (solid media)	NA	NA	—	—	NA	—	—	—	—	NA	NA	NA	—	—	NA
Cadmium (water)	1.56E+00	2.00E+03	—	—	7.82E-04	—	—	—	—	7.82E-04	7.30E-05	NA	—	—	NA
Calcium[a]	NA	NA	—	—	NA	—	—	—	—	NA	NA	NA	—	—	NA
Chromium III	1.56E+00	6.67E-01	—	—	2.35E+00	—	—	—	—	2.35E+00	7.30E-05	NA	—	—	NA
Chromium VI	1.56E+00	3.33E+02	—	—	4.69E-03	—	—	—	—	4.69E-03	7.30E-05	NA	—	—	NA
Cobalt	1.56E+00	1.67E+01	—	—	9.39E-02	—	—	—	—	9.39E-02	7.30E-05	NA	—	—	NA
Copper	1.56E+00	2.50E+01	—	—	6.26E-02	—	—	—	—	6.26E-02	7.30E-05	NA	—	—	NA
Cyanide	1.56E+00	5.00E+01	—	—	3.13E-02	—	—	—	—	3.13E-02	7.30E-05	NA	—	—	NA
Iron	1.56E+00	3.33E+00	—	—	4.69E-01	—	—	—	—	4.69E-01	7.30E-05	NA	—	—	NA
Lead[b]	NA	NA	—	—	1.50E-02	—	—	—	—	1.50E-02	NA	NA	—	—	NA
Magnesium[a]	NA	NA	—	—	NA	—	—	—	—	NA	NA	NA	—	—	NA
Manganese	1.56E+00	2.13E+01	—	—	7.35E-02	—	—	—	—	7.35E-02	7.30E-05	NA	—	—	NA
Mercury	1.56E+00	3.33E+03	—	—	4.69E-04	—	—	—	—	4.69E-04	7.30E-05	NA	—	—	NA
Methyl mercury	NA	NA	—	—	NA	—	—	—	—	NA	NA	NA	—	—	NA
Molybdenum	1.56E+00	2.00E+02	—	—	7.82E-03	—	—	—	—	7.82E-03	7.30E-05	NA	—	—	NA
Nickel	1.56E+00	5.00E+01	—	—	3.13E-02	—	—	—	—	3.13E-02	7.30E-05	NA	—	—	NA
Potassium[a]	NA	NA	—	—	NA	—	—	—	—	NA	NA	NA	—	—	NA
Sodium[a]	NA	NA	—	—	NA	—	—	—	—	NA	NA	NA	—	—	NA
Selenium	1.56E+00	2.00E+02	—	—	7.82E-03	—	—	—	—	7.82E-03	7.30E-05	NA	—	—	NA
Silver	1.56E+00	2.00E+02	—	—	7.82E-03	—	—	—	—	7.82E-03	7.30E-05	NA	—	—	NA
Thallium	1.56E+00	1.54E+04	—	—	1.02E-04	—	—	—	—	1.02E-04	7.30E-05	NA	—	—	NA
Vanadium	1.56E+00	1.43E+02	—	—	1.10E-02	—	—	—	—	1.10E-02	7.30E-05	NA	—	—	NA
Zinc	1.56E+00	3.33E+00	—	—	4.69E-01	—	—	—	—	4.69E-01	7.30E-05	NA	—	—	NA
Volatile Organic Compounds															
Acetone	1.56E+00	1.00E+01	1.03E-02	—	1.56E-01	7.30E+00	2.00E+01	NA	3.65E-01	1.56E-01	7.30E-05	NA	—	NA	NA
Benzene	1.56E+00	3.33E+02	1.02E+01	—	4.55E-03	7.30E+00	6.67E+02	1.18E+03	3.96E-03	3.96E-03	7.30E-05	3.16E-02	—	2.03E-02	1.41E-03
Bis(2-chloroethyl)ether	1.56E+00	NA	NA	—	NA	7.30E+00	NA	NA	NA	NA	7.30E-05	1.20E+00	—	7.70E-01	3.71E-05
bis(2-Chloroisopropyl)ether	1.56E+00	2.50E+01	4.27E-01	—	6.15E-02	7.30E+00	5.00E+01	NA	1.46E-01	6.15E-02	7.30E-05	7.63E-02	—	2.45E-02	7.24E-04
Bromobenzene	1.56E+00	5.00E+01	2.26E+00	—	2.99E-02	7.30E+00	1.00E+02	6.99E+02	9.13E-03	9.13E-03	7.30E-05	NA	—	NA	NA
Bromochloromethane	1.56E+00	1.67E+01	7.54E-02	—	9.34E-02	7.30E+00	3.33E+01	2.33E+00	2.05E-01	9.34E-02	7.30E-05	NA	—	NA	NA
Bromodichloromethane	1.56E+00	5.00E+01	4.70E-01	—	3.10E-02	7.30E+00	1.00E+02	NA	7.30E-02	3.10E-02	7.30E-05	6.76E-02	—	NA	1.08E-03
Bromoform	1.56E+00	5.00E+01	2.11E-01	—	3.12E-02	7.30E+00	1.00E+02	NA	7.30E-02	3.12E-02	7.30E-05	8.61E-03	—	2.73E-03	6.44E-03
Bromomethane	1.56E+00	7.14E+02	4.56E+00	—	2.18E-03	7.30E+00	1.43E+03	1.43E+03	2.56E-03	2.18E-03	7.30E-05	NA	—	NA	NA
n-Butylbenzene	1.56E+00	1.00E+02	6.34E+01	—	9.57E-03	7.30E+00	2.00E+02	NA	3.65E-02	9.57E-03	7.30E-05	NA	—	NA	NA
sec-Butylbenzene	1.56E+00	1.00E+02	4.80E+01	—	1.06E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.06E-02	7.30E-05	NA	—	NA	NA
tert-Butylbenzene	1.56E+00	1.00E+02	3.76E+01	—	1.14E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.14E-02	7.30E-05	NA	—	NA	NA
Carbon disulfide	1.56E+00	1.00E+01	3.89E-01	—	1.51E-01	7.30E+00	2.00E+01	1.00E+01	2.43E-01	1.51E-01	7.30E-05	NA	—	NA	NA
Carbon tetrachloride	1.56E+00	1.43E+03	5.74E+01	—	1.05E-03	7.30E+00	2.86E+03	3.51E+03	1.15E-03	1.05E-03	7.30E-05	1.42E-01	—	3.71E-02	4.08E-04
Chlorobenzene	1.56E+00	5.00E+01	2.99E+00	—	2.95E-02	7.30E+00	1.00E+02	3.51E+02	1.62E-02	1.62E-02	7.30E-05	NA	—	NA	NA
Chloroethane	1.56E+00	2.50E+00	2.92E-02	—	6.18E-01	7.30E+00	5.00E+00	6.90E-01	1.28E+00	6.18E-01	7.30E-05	3.16E-03	—	2.03E-03	1.41E-02
Chloroform	1.56E+00	1.00E+02	1.30E+00	—	1.54E-02	7.30E+00	2.00E+02	2.33E+04	3.11E-04	3.11E-04	7.30E-05	6.65E-03	—	5.67E-02	1.15E-03
Chloromethane	1.56E+00	2.50E+02	1.53E+00	—	6.22E-03	7.30E+00	5.00E+02	2.33E+01	1.40E-02	6.22E-03	7.30E-05	1.42E-02	—	4.41E-03	3.93E-03
2-Chloronaphthalene	1.56E+00	1.25E+01	2.74E-01	—	1.22E-01	7.30E+00	2.50E+01	NA	2.92E-01	1.22E-01	7.30E-05	NA	—	NA	NA
m-Chlorotoluene	1.56E+00	5.00E+01	5.44E+00	—	2.82E-02	7.30E+00	1.00E+02	NA	7.30E-02	2.82E-02	7.30E-05	NA	—	NA	NA
o-Chlorotoluene	1.56E+00	5.00E+01	5.44E+00	—	2.82E-02	7.30E+00	1.00E+02	NA	7.30E-02	2.82E-02	7.30E-05	NA	—	NA	NA
p-Chlorotoluene	1.56E+00	5.00E+01	5.44E+00	—	2.82E-02	7.30E+00	1.00E+02	NA	7.30E-02	2.82E-02	7.30E-05	NA	—	NA	NA
Cumene	1.56E+00	1.00E+01	2.27E+00	—	1.27E-01	7.30E+00	2.00E+01	1.82E+01	1.91E-01	1.27E-01	7.30E-05	NA	—	NA	NA
Dibenzofuran	1.56E+00	2.50E+02	1.10E+02	—	4.34E-03	7.30E+00	5.00E+02	NA	1.46E-02	4.34E-03	7.30E-05	NA	—	NA	NA
1,2-Dibromoethane	1.56E+00	NA	NA	—	NA	7.30E+00	NA	3.51E+04	2.08E-04	2.08E-04	7.30E-05	9.27E+01	—	5.32E-01	7.83E-07
Dibromomethane	1.56E+00	1.00E+02	1.78E-01	—	1.56E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.56E-02	7.30E-05	NA	—	NA	NA
1,2-Dichlorobenzene	1.56E+00	1.11E+01	1.10E+00	—	1.28E-01	7.30E+00	2.22E+01	2.33E+02	2.87E-02	2.87E-02	7.30E-05	NA	—	NA	NA
1,3-Dichlorobenzene	1.56E+00	1.11E+03	1.57E+02	—	1.23E-03	7.30E+00	2.22E+03	NA	3.29E-03	1.23E-03	7.30E-05	NA	—	NA	NA
1,4-Dichlorobenzene	1.56E+00	3.33E+01	3.35E+00	—	4.26E-02	7.30E+00	6.67E+01	8.70E+00	9.69E-02	4.26E-02	7.30E-05	2.62E-02	—	1.54E-02	1.76E-03
Dichlorodifluoromethane	1.56E+00	5.00E+00	1.10E-01	—	3.06E-01	7.30E+00	1.00E+01	3.51E+01	1.62E-01	1.62E-01	7.30E-05	NA	—	NA	NA
1,1-Dichloroethane	1.56E+00	1.00E+01	1.30E-01	—	1.54E-01	7.30E+00	2.00E+01	1.43E+01	2.13E-01	1.54E-01	7.30E-05	NA	—	NA	NA
1,2-Dichloroethane	1.56E+00	3.33E+01	2.58E-01	—	4.66E-02	7.30E+00	6.67E+01	1.43E+03	4.88E-03	4.88E-03	7.30E-05	9.92E-02	—	6.37E-02	4.48E-04
1,1-Dichloroethene	1.56E+00	1.11E+02	2.60E+00	—	1.38E-02	7.30E+00	2.22E+02	NA	3.29E-02	1.38E-02	7.30E-05	6.54E-01	—	1.26E-01	9.36E-05
2-Butanone	1.56E+00	1.67E+00	2.97E-03	—	9.37E-01	7.30E+00	3.33E+00	6.90E+00	7.14E-01	7.14E-01	7.30E-05	NA	—	NA	NA
cis-1,2-Dichloroethene	1.56E+00	1.00E+02	1.11E+00	—	1.55E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.55E-02	7.30E-05	NA	—	NA	NA
trans-1,2-Dichloroethene	1.56E+00	5.00E+01	9.05E-01	—	3.07E-02	7.30E+00	1.00E+02	NA	7.30E-02	3.07E-02	7.30E-05	NA	—	NA	NA
1,2-Dichloroethene	1.56E+00	1.11E+02	1.24E+00	—	1.39E-02	7.30E+00	2.22E+02	NA	3.29E-02	1.39E-02	7.30E-05	NA	—	NA	NA
1,1-Dichloropropene	1.56E+00	3.33E+03	6.11E+01	—	4.61E-04	7.30E+00	6.67E+03	3.51E+02	1.04E-03	4.61E-04	7.30E-05	NA	—	NA	NA
cis-1,3-Dichloropropene	1.56E+00	3.33E+03	2.97E+01	—	4.65E-04	7.30E+00	6.67E+03	3.51E+02	1.04E-03	4.65E-04	7.30E-05	1.96E-01	—	9.10E-02	2.54E-04
trans-1,3-Dichloropropene	1.56E+00	3.33E+03	2.97E+01	—	4.65E-04	7.30E+00	6.67E+03	3.51E+02	1.04E-03	4.65E-04	7.30E-05	1.96E-01	—	9.10E-02	2.54E-04
1,2-Dichloropropane	1.56E+00	NA	NA	—	NA	7.30E+00	NA	1.82E+03	4.02E-03	4.02E-03	7.30E-05	7.41E-02	—	NA	9.85E-04
1,3-Dichloropropane	1.56E+00	NA	NA	—	NA	7.30E+00	NA	1.82E+03	4.02E-03	4.02E-03	7.30E-05	NA	—	NA	NA
2,2-Dichloropropane	1.56E+00	NA	NA	—	NA	7.30E+00	NA	1.82E+03	4.02E-03	4.02E-03	7.30E-05	NA	—	NA	NA
Ethylbenzene	1.56E+00	1.00E+01	1.17E+00	—	1.40E-01	7.30E+00	2.00E+01	6.90E+00	2.71E-01	1.40E-01	7.30E-05	NA	—	NA	NA
2-Hexanone	1.56E+00	2.50E+01	1.81E-01	—	6.21E-02	7.30E+00	5.00E+01	1.43E+03	4.94E-03	4.94E-03	7.30E-05	NA	—	NA	NA
Isopropylbenzene	1.56E+00	1.00E+01	2.27E+00	—	1.27E-01	7.30E+00	2.00E+01	1.82E+01	1.91E-01	1.27E-01	7.30E-05	NA	—	NA	NA
Methyl Chloride	1.56E+00	2.50E+02	1.53E+00	—	6.22E-03	7.30E+00	5.00E+02	2.33E+01	1.40E-02	6.22E-03	7.30E-05	1.42E-02	—	4.41E-03	3.93E-03
Methylene Chloride	1.56E+00	1.67E+01	1.10E-01	—	9.32E-02	7.30E+00	3.33E+01	2.33E+00	2.05E-01	9.32E-02	7.30E-05	8.18E-03	—	1.12E-03	7.85E-03
Methyl Isobutyl Ketone	1.56E+00	1.25E+01	6.73E-02	—	1.24E-01	7.30E+00	2.50E+01	1.00E+02	5.84E-02	5.84E-02	7.30E-05	NA	—	NA	NA
4-Methyl-2-Pentanone	1.56E+00	1.25E+01	6.73E-02	—	1.24E-01	7.30E+00	2.50E+01	1.00E+02	5.84E-02	5.84E-02	7.30E-05	NA	—	NA	NA
n-Propylbenzene	1.56E+00	1.00E+02	2.03E+01	—	1.30E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.30E-02	7.30E-05	NA	—	NA	NA
Naphthalene	1.56E+00	5.00E+01	5.04E+00	—	2.84E-02	7.30E+00	1.00E+02	2.33E+03	3.01E-03	3.01E-03	7.30E-05	NA	—	NA	NA
Nitrobenzene	1.56E+00	2.00E+03	1.97E+02	—	7.12E-04	7.30E+00	4.00E+03	3.33E+03	9.95E-04	7.12E-04	7.30E-05	NA	—	NA	NA
4-Nitrophenol	1.56E+00	1.25E+02	1.39E+00	—	1.24E-02	7.30E+00	2.50E+02	NA	2.92E-02	1.24E-02	7.30E-05	NA	—	NA	NA
o-Nitrotoluene	1.56E+00	1.00E+02	1.93E+00	—	1.53E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.53E-02	7.30E-05	NA	—	NA	NA
p-Nitrotoluene	1.56E+00	1.00E+02	2.17E+00	—	1.53E-02	7.30E+00	2.00E+02	NA	3.65E-02	1.53E-02	7.30E-05	NA	—	NA	NA
p-Cymene	1.56E+00	5.00E+00	1.91E+00	—	2.26E-01	7.30E+00	1.00E+01	NA	7.30E-01	2.26E-01	7.30E-05	NA	—	NA	NA
Styrene	1.56E+00	5.00E+00	4.02E-01	—	2.90E-01	7.30E+00	1.00E+01	6.90E+00	4.32E-01	2.90E-01	7.30E-05	NA	—	NA	NA

Table 2-10

Groundwater - Residential SSSLs
Fort McClellan, Calhoun County, Alabama

(Page 2 of 4)

	Noncancer Child					Noncancer Adult				Final Noncancer	Cancer				
Chemical	Numerator	Oral	Dermal	Inhalation	SSSL (mg/L)	Numerator	Oral	Inhalation	SSSL (mg/L)	SSSL (mg/L)	Numerator	Oral	Dermal	Inhalation	SSSL (mg/L)
1,1,1,2-Tetrachloroethane	1.56E+00	3.33E+01	9.73E-01	---	4.56E-02	7.30E+00	6.67E+01	NA	1.10E-01	4.56E-02	7.30E-05	2.83E-02	---	1.82E-02	1.57E-03
1,1,2,2-Tetrachloroethane	1.56E+00	1.67E+01	3.13E-01	---	9.21E-02	7.30E+00	3.33E+01	NA	2.19E-01	9.21E-02	7.30E-05	2.18E-01	---	1.40E-01	2.04E-04
Tetrachloroethene	1.56E+00	1.00E+02	7.01E+00	---	1.46E-02	7.30E+00	2.00E+02	1.18E+01	3.45E-02	1.46E-02	7.30E-05	5.67E-02	---	1.40E-03	1.26E-03
Toluene	1.56E+00	5.00E+00	3.29E-01	---	2.94E-01	7.30E+00	1.00E+01	1.82E+01	2.59E-01	2.59E-01	7.30E-05	NA	---	NA	NA
1,2,3-Trichlorobenzene	1.56E+00	1.00E+03	1.82E+02	---	1.32E-03	7.30E+00	2.00E+03	NA	3.65E-03	1.32E-03	7.30E-05	NA	---	NA	NA
1,2,4-Trichlorobenzene	1.56E+00	1.00E+02	1.62E+01	---	1.35E-02	7.30E+00	2.00E+02	3.51E+01	3.11E-02	1.35E-02	7.30E-05	NA	---	NA	NA
1,3,5-Trichlorobenzene	1.56E+00	1.00E+03	2.29E+02	---	1.27E-03	7.30E+00	2.00E+03	NA	3.65E-03	1.27E-03	7.30E-05	NA	---	NA	NA
1,1,1-Trichloroethane	1.56E+00	5.00E+00	1.24E-01	---	3.05E-01	7.30E+00	1.00E+01	6.90E+00	4.32E-01	3.05E-01	7.30E-05	NA	---	NA	NA
1,1,2-Trichloroethane	1.56E+00	2.50E+02	3.07E+00	---	6.18E-03	7.30E+00	5.00E+02	NA	1.46E-02	6.18E-03	7.30E-05	6.21E-02	---	3.99E-02	7.15E-04
Trichloroethene	1.56E+00	1.67E+02	4.33E+00	---	9.15E-03	7.30E+00	3.33E+02	NA	2.19E-02	9.15E-03	7.30E-05	1.20E-02	---	4.20E-03	4.51E-03
Trichlorofluoromethane	1.56E+00	3.33E+00	1.03E-01	---	4.55E-01	7.30E+00	6.67E+00	1.00E+01	4.38E-01	4.38E-01	7.30E-05	NA	---	NA	NA
1,2,3-Trichloropropane	1.56E+00	1.67E+02	2.99E+00	---	9.22E-03	7.30E+00	3.33E+02	NA	2.19E-02	9.22E-03	7.30E-05	7.63E+00	---	NA	9.57E-06
1,2,3-Trimethylbenzene	1.56E+00	2.00E+01	4.71E+00	---	6.33E-02	7.30E+00	4.00E+01	1.18E+03	6.00E-03	6.00E-03	7.30E-05	NA	---	NA	NA
1,2,4-Trimethylbenzene	1.56E+00	2.00E+01	5.62E+00	---	6.11E-02	7.30E+00	4.00E+01	1.18E+03	6.00E-03	6.00E-03	7.30E-05	NA	---	NA	NA
1,3,5-Trimethylbenzene	1.56E+00	2.00E+01	4.20E+00	---	6.46E-02	7.30E+00	4.00E+01	1.18E+03	6.00E-03	6.00E-03	7.30E-05	NA	---	NA	NA
Vinyl Chloride	1.56E+00	NA	NA	---	NA	7.30E+00	NA	NA	NA	NA	7.30E-05	2.07E+00	---	2.10E-01	3.20E-05
Xylenes	1.56E+00	5.00E-01	5.84E-02	---	2.80E+00	7.30E+00	1.00E+00	NA	7.30E+00	2.80E+00	7.30E-05	NA	---	NA	NA
m,p-Xylenes	1.56E+00	5.00E-01	5.84E-02	---	2.80E+00	7.30E+00	1.00E+00	NA	7.30E+00	2.80E+00	7.30E-05	NA	---	NA	NA
o-Xylene	1.56E+00	5.00E-01	5.84E-02	---	2.80E+00	7.30E+00	1.00E+00	NA	7.30E+00	2.80E+00	7.30E-05	NA	---	NA	NA
1,2-Dimethylbenzene	1.56E+00	5.00E-01	5.84E-02	---	2.80E+00	7.30E+00	1.00E+00	NA	7.30E+00	2.80E+00	7.30E-05	NA	---	NA	NA
Semi-Volatile Organic Compounds															
Acenaphthene	1.56E+00	1.67E+01	7.11E+00	---	6.58E-02	---	---	---	---	6.58E-02	7.30E-05	NA	NA	---	NA
Acenaphthylene	1.56E+00	1.67E+01	8.22E+00	---	6.28E-02	---	---	---	---	6.28E-02	7.30E-05	NA	NA	---	NA
Anthracene	1.56E+00	3.33E+00	1.56E+00	---	3.19E-01	---	---	---	---	3.19E-01	7.30E-05	NA	NA	---	NA
Benzo(a)anthracene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E-01	2.16E+00	---	2.47E-05
Benzo(b)fluoranthene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E-01	3.20E+00	---	1.83E-05
Benzo(k)fluoranthene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E-02	2.96E-01	---	1.94E-04
Benzo(g,h,i)perylene	1.56E+00	3.33E+01	1.58E+02	---	8.19E-03	---	---	---	---	8.19E-03	7.30E-05	NA	NA	---	NA
Benzo(a)pyrene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E+00	3.20E+01	---	1.83E-06
Benzoic Acid	1.56E+00	2.50E-01	2.66E-03	---	6.19E+00	---	---	---	---	6.19E+00	7.30E-05	NA	NA	---	NA
bis(2-Chloroethoxy)methane	1.56E+00	3.33E+02	3.47E-01	---	4.69E-03	---	---	---	---	4.69E-03	7.30E-05	NA	NA	---	NA
bis(2-Ethylhexyl)phthalate	1.56E+00	5.00E+01	4.82E+00	---	2.85E-02	---	---	---	---	2.85E-02	7.30E-05	1.53E-02	1.69E-03	---	4.31E-03
4-Bromodiphenyl ether	1.56E+00	1.72E+01	1.53E+01	---	4.81E-02	---	---	---	---	4.81E-02	7.30E-05	NA	NA	---	NA
Butyl benzyl phthalate	1.56E+00	5.00E+00	7.53E-01	---	2.72E-01	---	---	---	---	2.72E-01	7.30E-05	NA	NA	---	NA
Carbazole	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E-02	4.56E-03	---	2.77E-03
4-Chloroaniline	1.56E+00	2.50E+02	2.46E+00	---	6.20E-03	---	---	---	---	6.20E-03	7.30E-05	NA	NA	---	NA
4-Chlorodiphenyl ether	1.56E+00	1.72E+01	4.27E+00	---	7.27E-02	---	---	---	---	7.27E-02	7.30E-05	NA	NA	---	N
4-Chloro-3-methylphenol	1.56E+00	2.00E+02	1.72E+01	---	7.20E-03	---	---	---	---	7.20E-03	7.30E-05	NA	NA	---	N
2-Chlorophenol	1.56E+00	2.00E+02	3.21E+00	---	7.70E-03	---	---	---	---	7.70E-03	7.30E-05	NA	NA	---	N
Chrysene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E-03	1.35E-02	---	3.40E-05
Dibenz(a,h)anthracene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E+00	4.50E+01	---	1.38E-06
Dibromochloromethane	1.56E+00	5.00E+01	3.16E-01	---	3.11E-02	---	---	---	---	3.11E-02	7.30E-05	9.16E-02	6.65E-04	---	7.92E-04
3,3'-Dichlorobenzidine	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	4.91E-01	1.55E-02	---	1.44E-04
2,4-Dichlorophenol	1.56E+00	3.33E+02	1.12E+01	---	4.54E-03	---	---	---	---	4.54E-03	7.30E-05	NA	NA	---	NA
2,6-Dichlorophenol	1.56E+00	3.33E+02	8.42E+00	---	4.58E-03	---	---	---	---	4.58E-03	7.30E-05	NA	NA	---	NA
Diethyl phthalate	1.56E+00	1.25E+00	1.75E-02	---	1.23E+00	---	---	---	---	1.23E+00	7.30E-05	NA	NA	---	NA
2,4-Dimethylphenol	1.56E+00	5.00E+01	1.37E+00	---	3.05E-02	---	---	---	---	3.05E-02	7.30E-05	NA	NA	---	NA
Dimethyl phthalate	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	NA	NA	---	NA
4,6-Dintro-2-methylphenol	1.56E+00	1.00E+04	2.26E+02	---	1.53E-04	---	---	---	---	1.53E-04	7.30E-05	NA	NA	---	NA
2,4-Dinitrophenol	1.56E+00	5.00E+02	2.63E+00	---	3.11E-03	---	---	---	---	3.11E-03	7.30E-05	NA	NA	---	NA
Di-n-butyl phthalate	1.56E+00	1.00E+01	5.35E-01	---	1.48E-01	---	---	---	---	1.48E-01	7.30E-05	NA	NA	---	NA
Di-n-octyl phthalate	1.56E+00	5.00E+01	4.86E+03	---	3.18E-04	---	---	---	---	3.18E-04	7.30E-05	NA	NA	---	NA
2,4-Dinitrotoluene	1.56E+00	5.00E+02	2.77E+00	---	3.11E-03	---	---	---	---	3.11E-03	7.30E-05	7.41E-01	4.72E-03	---	9.79E-05
2,6-Dinitrotoluene	1.56E+00	1.00E+03	3.65E+00	---	1.56E-03	---	---	---	---	1.56E-03	7.30E-05	7.41E-01	3.11E-03	---	9.81E-05
Fluoranthene	1.56E+00	2.50E+01	2.63E+01	---	3.05E-02	---	---	---	---	3.05E-02	7.30E-05	NA	NA	---	NA
Fluorene	1.56E+00	2.50E+01	8.54E+00	---	4.66E-02	---	---	---	---	4.66E-02	7.30E-05	NA	NA	---	NA
Hexachlorobenzene	1.56E+00	1.25E+03	4.26E+02	---	9.33E-04	---	---	---	---	9.33E-04	7.30E-05	1.74E+00	6.82E-01	---	3.01E-05
Hexachlorobutadiene	1.56E+00	5.00E+03	9.73E+01	---	3.07E-04	---	---	---	---	3.07E-04	7.30E-05	8.50E-02	1.90E-03	---	8.40E-04
Hexachlorocyclopentadiene	1.56E+00	1.43E+02	5.30E+01	---	7.99E-03	---	---	---	---	7.99E-03	7.30E-05	NA	NA	---	NA
Hexachloroethane	1.56E+00	1.00E+03	6.81E+01	---	1.46E-03	---	---	---	---	1.46E-03	7.30E-05	1.53E-02	1.19E-03	---	4.44E-03
Indeno(1,2,3-cd)pyrene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.96E-01	5.07E+00	---	1.24E-05
Isophorone	1.56E+00	5.00E+00	6.13E-02	---	3.09E-01	---	---	---	---	3.09E-01	7.30E-05	1.04E-03	1.46E-05	---	6.95E-02
2-Methylnaphthalene	1.56E+00	5.00E+01	1.30E+01	---	2.48E-02	---	---	---	---	2.48E-02	7.30E-05	NA	NA	---	NA
4-Methylnaphthalene	1.56E+00	5.00E+01	1.32E+01	---	2.47E-02	---	---	---	---	2.47E-02	7.30E-05	NA	NA	---	NA
2-Methylphenol	1.56E+00	2.00E+01	3.44E-01	---	7.69E-02	---	---	---	---	7.69E-02	7.30E-05	NA	NA	---	NA
4-Methylphenol	1.56E+00	2.00E+02	3.44E+00	---	7.69E-03	---	---	---	---	7.69E-03	7.30E-05	NA	NA	---	NA
2-Nitroaniline	1.56E+00	3.33E+03	2.89E+01	---	4.65E-04	---	---	---	---	4.65E-04	7.30E-05	NA	NA	---	NA
3-Nitroaniline	1.56E+00	3.33E+03	1.32E+01	---	4.67E-04	---	---	---	---	4.67E-04	7.30E-05	NA	NA	---	NA
4-Nitroaniline	1.56E+00	3.33E+02	1.36E+00	---	4.67E-03	---	---	---	---	4.67E-03	7.30E-05	NA	NA	---	NA
2-Nitrophenol	1.56E+00	1.25E+02	1.83E+00	---	1.23E-02	---	---	---	---	1.23E-02	7.30E-05	NA	NA	---	NA
N-Nitrosodiphenylamine	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	5.34E-03	1.76E-04	---	1.32E-02
N-Nitrosodi-n-propylamine	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	7.63E+00	3.74E-01	---	9.12E-06
Pentachlorophenol	1.56E+00	3.33E+01	3.18E+01	---	2.40E-02	---	---	---	---	2.40E-02	7.30E-05	1.31E-01	1.43E-01	---	2.66E-04
Phenanthrene	1.56E+00	3.33E+00	2.24E+00	---	2.81E-01	---	---	---	---	2.81E-01	7.30E-05	NA	NA	---	NA
Phenol	1.56E+00	1.67E+00	1.41E-02	---	9.31E-01	---	---	---	---	9.31E-01	7.30E-05	NA	NA	---	NA
Pyrene	1.56E+00	3.33E+01	1.97E+01	---	2.95E-02	---	---	---	---	2.95E-02	7.30E-05	NA	NA	---	NA
2,4,5-Trichlorophenol	1.56E+00	1.00E+01	1.08E+00	---	1.41E-01	---	---	---	---	1.41E-01	7.30E-05	NA	NA	---	NA
2,4,6-Trichlorophenol	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.20E-02	1.12E-03	---	5.57E-03
Pesticides/PCBs (using SVOC equations)															
Aldrin	1.56E+00	3.33E+04	1.56E+02	---	4.67E-05	---	---	---	---	4.67E-05	7.30E-05	1.85E+01	9.94E-02	---	3.92E-06
PCBs (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	N
PCBs (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53
Aroclor 1016 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	N
Aroclor 1016 (water)	1.56E+00	1.43E+04	1.65E+04	---	5.09E-05	---	---	---	---	5.09E-05	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1221 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1221 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1232 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1232 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1242 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA

Table 2-10

Groundwater - Residential SSSLs
Fort McClellan, Calhoun County, Alabama

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Chemical	Noncancer Child Numerator	Noncancer Child Oral	Noncancer Child Dermal	Noncancer Child Inhalation	Noncancer Child SSSL (mg/L)	Noncancer Adult Numerator	Noncancer Adult Oral	Noncancer Adult Inhalation	Noncancer Adult SSSL (mg/L)	Final Noncancer SSSL (mg/L)	Cancer Numerator	Cancer Oral	Cancer Dermal	Cancer Inhalation	Cancer SSSL (mg/L)
Aroclor 1242 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1248 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1248 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1254 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1254 (water)	1.56E+00	5.00E+04	5.76E+04	---	1.45E-05	---	---	---	---	1.45E-05	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1260 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1260 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1262 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1262 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Aroclor 1268 (solid media, food chain)	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
Aroclor 1268 (water)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.18E+00	2.60E+00	---	1.53E-05
Azinphos-methyl	1.56E+00	1.11E+04	3.83E+01	---	1.40E-04	---	---	---	---	1.40E-04	7.30E-05	NA	NA	---	NA
alpha-BHC	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	6.87E+00	1.90E-01	---	1.03E-05
beta-BHC	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.96E+00	6.07E-02	---	3.61E-05
gamma-BHC (Lindane)	1.56E+00	3.33E+03	6.81E+01	---	4.60E-04	---	---	---	---	4.60E-04	7.30E-05	1.42E+00	3.33E-02	---	5.03E-05
delta-BHC	1.56E+00	3.33E+03	1.48E+02	---	4.49E-04	---	---	---	---	4.49E-04	7.30E-05	NA	NA	---	NA
Bolstar	1.56E+00	4.00E+04	1.04E+04	---	3.10E-05	---	---	---	---	3.10E-05	7.30E-05	NA	NA	---	NA
Chlordane	1.56E+00	2.00E+03	1.68E+02	---	7.22E-04	---	---	---	---	7.22E-04	7.30E-05	3.82E-01	3.68E-02	---	1.75E-04
Chlorpyrifos	1.56E+00	3.33E+02	2.49E+01	---	4.37E-03	---	---	---	---	4.37E-03	7.30E-05	NA	NA	---	NA
Coumaphos	1.56E+00	4.00E+04	6.48E+02	---	3.85E-05	---	---	---	---	3.85E-05	7.30E-05	NA	NA	---	NA
Dalapon	1.56E+00	3.33E+01	6.16E-02	---	4.68E-02	---	---	---	---	4.68E-02	7.30E-05	NA	NA	---	NA
DDD	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.62E-01	1.36E-01	---	1.83E-04
4,4'-DDD	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	2.62E-01	1.36E-01	---	1.83E-04
DDE	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	3.71E-01	1.66E-01	---	1.36E-04
4,4'-DDE	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	3.71E-01	1.66E-01	---	1.36E-04
DDT	1.56E+00	2.00E+03	1.40E+03	---	4.61E-04	---	---	---	---	4.61E-04	7.30E-05	3.71E-01	2.97E-01	---	1.09E-04
4,4'-DDT	1.56E+00	2.00E+03	1.40E+03	---	4.61E-04	---	---	---	---	4.61E-04	7.30E-05	3.71E-01	2.97E-01	---	1.09E-04
Demeton	1.56E+00	2.50E+04	NA	---	6.26E-05	---	---	---	---	6.26E-05	7.30E-05	NA	NA	---	NA
Diazinon	1.56E+00	1.11E+03	1.44E+01	---	1.39E-03	---	---	---	---	1.39E-03	7.30E-05	NA	NA	---	NA
Dieldrin	1.56E+00	2.00E+04	9.34E+02	---	7.47E-05	---	---	---	---	7.47E-05	7.30E-05	1.74E+01	9.36E-01	---	3.97E-06
1,2-Dibromo-3-chloropropane (DBCP)	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.53E+00	2.48E-02	---	4.71E-05
Dichlorvos	1.56E+00	2.00E+03	2.77E+00	---	7.81E-04	---	---	---	---	7.81E-04	7.30E-05	3.16E-01	5.04E-04	---	2.31E-04
Dimethoate	1.56E+00	5.00E+03	1.99E+00	---	3.13E-04	---	---	---	---	3.13E-04	7.30E-05	NA	NA	---	NA
Dinoseb	1.56E+00	1.00E+01	5.33E-02	---	1.56E-01	---	---	---	---	1.56E-01	7.30E-05	NA	NA	---	NA
Disulfoton	1.56E+00	2.50E+04	1.13E+03	---	5.99E-05	---	---	---	---	5.99E-05	7.30E-05	NA	NA	---	NA
Endosulfan	1.56E+00	1.67E+02	5.66E-01	---	9.35E-03	---	---	---	---	9.35E-03	7.30E-05	NA	NA	---	NA
Endosulfan II	1.56E+00	1.67E+02	5.66E-01	---	9.35E-03	---	---	---	---	9.35E-03	7.30E-05	NA	NA	---	NA
Endosulfan sulfate	1.56E+00	1.67E+02	5.66E-01	---	9.35E-03	---	---	---	---	9.35E-03	7.30E-05	NA	NA	---	NA
Endrin	1.56E+00	3.33E+03	1.58E+02	---	4.48E-04	---	---	---	---	4.48E-04	7.30E-05	NA	NA	---	NA
Endrin aldehyde	1.56E+00	3.33E+04	8.33E+03	---	3.75E-05	---	---	---	---	3.75E-05	7.30E-05	NA	NA	---	NA
Endrin ketone	1.56E+00	3.33E+04	NA	---	4.69E-05	---	---	---	---	4.69E-05	7.30E-05	NA	NA	---	NA
Ethoprop	1.56E+00	2.50E+05	8.79E+03	---	6.04E-06	---	---	---	---	6.04E-06	7.30E-05	NA	NA	---	NA
Famphur	1.56E+00	4.00E+04	5.33E+01	---	3.91E-05	---	---	---	---	3.91E-05	7.30E-05	NA	NA	---	NA
Fensulfothion	1.56E+00	4.00E+04	6.23E+01	---	3.90E-05	---	---	---	---	3.90E-05	7.30E-05	NA	NA	---	NA
Fenthion	1.56E+00	4.00E+04	1.99E+03	---	3.73E-05	---	---	---	---	3.73E-05	7.30E-05	NA	NA	---	NA
Heptachlor	1.56E+00	2.00E+03	3.87E+01	---	7.67E-04	---	---	---	---	7.67E-04	7.30E-05	4.91E+00	1.09E-01	---	1.46E-05
Heptachlor Epoxide	1.56E+00	7.69E+04	7.42E+03	---	1.85E-05	---	---	---	---	1.85E-05	7.30E-05	9.92E+00	1.10E+00	---	6.63E-06
Malathion	1.56E+00	5.00E+01	7.40E-02	---	3.12E-02	---	---	---	---	3.12E-02	7.30E-05	NA	NA	---	NA
Merphos	1.56E+00	3.33E+04	4.34E+05	---	3.35E-06	---	---	---	---	3.35E-06	7.30E-05	NA	NA	---	NA
Methoxychlor	1.56E+00	2.00E+02	7.12E+00	---	7.55E-03	---	---	---	---	7.55E-03	7.30E-05	NA	NA	---	NA
Methyl parathion	1.56E+00	4.00E+03	3.29E+01	---	3.88E-04	---	---	---	---	3.88E-04	7.30E-05	NA	NA	---	NA
Mevinphos	1.56E+00	4.00E+04	NA	---	3.91E-05	---	---	---	---	3.91E-05	7.30E-05	NA	NA	---	NA
Naled	1.56E+00	5.00E+02	7.02E-02	---	3.13E-03	---	---	---	---	3.13E-03	7.30E-05	NA	NA	---	NA
Parathion	1.56E+00	1.67E+02	4.52E+00	---	9.14E-03	---	---	---	---	9.14E-03	7.30E-05	NA	NA	---	NA
Phorate	1.56E+00	5.00E+03	2.18E+02	---	3.00E-04	---	---	---	---	3.00E-04	7.30E-05	NA	NA	---	NA
Ronnel	1.56E+00	2.00E+01	2.32E+00	---	7.01E-02	---	---	---	---	7.01E-02	7.30E-05	NA	NA	---	NA
Stirophos	1.56E+00	3.33E+01	1.74E-01	---	4.67E-02	---	---	---	---	4.67E-02	7.30E-05	NA	NA	---	NA
Sulfotep	1.56E+00	2.00E+03	4.54E+01	---	7.65E-04	---	---	---	---	7.65E-04	7.30E-05	NA	NA	---	NA
Thionazin	1.56E+00	1.11E+04	NA	---	1.41E-04	---	---	---	---	1.41E-04	7.30E-05	NA	NA	---	NA
Tokuthion	1.56E+00	2.00E+02	NA	---	7.82E-03	---	---	---	---	7.82E-03	7.30E-05	NA	NA	---	NA
Toxaphene	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.20E+00	3.35E-02	---	5.92E-05
Trichloronate	1.56E+00	2.00E+02	2.95E+01	---	6.82E-03	---	---	---	---	6.82E-03	7.30E-05	NA	NA	---	NA
O,O,O-Triethyl phosphorothioate	1.56E+00	4.00E+05	NA	---	3.91E-06	---	---	---	---	3.91E-06	7.30E-05	NA	NA	---	NA
Herbicides (using SVOC equations)															
2,4-D	1.56E+00	1.00E+02	1.23E+00	---	1.55E-02	---	---	---	---	1.55E-02	7.30E-05	NA	NA	---	NA
2,4-DB	1.56E+00	1.25E+02	8.29E-01	---	1.24E-02	---	---	---	---	1.24E-02	7.30E-05	NA	NA	---	NA
Dicamba	1.56E+00	3.33E+01	1.54E-01	---	4.67E-02	---	---	---	---	4.67E-02	7.30E-05	NA	NA	---	NA
Dichloroprop	1.56E+00	1.25E+03	1.71E+01	---	1.23E-03	---	---	---	---	1.23E-03	7.30E-05	NA	NA	---	NA
MCPA	1.56E+00	2.00E+03	1.05E+01	---	7.78E-04	---	---	---	---	7.78E-04	7.30E-05	NA	NA	---	NA
MCPP	1.56E+00	1.00E+03	2.45E+01	---	1.53E-03	---	---	---	---	1.53E-03	7.30E-05	NA	NA	---	NA
2,4,5-T	1.56E+00	1.00E+02	2.03E+00	---	1.53E-02	---	---	---	---	1.53E-02	7.30E-05	NA	NA	---	NA
2,4,5-TP	1.56E+00	1.25E+02	4.38E+00	---	1.21E-02	---	---	---	---	1.21E-02	7.30E-05	NA	NA	---	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)															
TCDD	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
2,3,7,8-TCDD	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+05	4.27E+05	---	1.24E-10
TCDF	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
2,3,7,8-TCDF	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+04	4.27E+04	---	1.24E-09
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+03	4.27E+03	---	1.24E-08
HpCDD	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+03	4.27E+03	---	1.24E-08
HpCDF	NA	NA	NA	---	NA	---	---	---	---	NA	NA	NA	NA	---	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+03	4.27E+03	---	1.24E-08
1,2,3,4,7,8-Hexachlorodibenzofuran	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+04	4.27E+04	---	1.24E-09
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+04	4.27E+04	---	1.24E-09
1,2,3,6,7,8-Hexachlorodibenzofuran	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+04	4.27E+04	---	1.24E-09
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.56E+00	NA	NA	---	NA	---	---	---	---	NA	7.30E-05	1.64E+04	4.27E+04	---	1.24E-09

Table 2-10

Groundwater - Residential SSSLs
Fort McClellan, Calhoun County, Alabama

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Chemical	Noncancer Child Numerator	Noncancer Child Oral	Noncancer Child Dermal	Noncancer Child Inhalation	Noncancer Child SSSL (mg/L)	Noncancer Adult Numerator	Noncancer Adult Oral	Noncancer Adult Inhalation	Noncancer Adult SSSL (mg/L)	Final Noncancer SSSL (mg/L)	Cancer Numerator	Cancer Oral	Cancer Dermal	Cancer Inhalation	Cancer SSSL (mg/L)
HxCDF	NA	NA	NA	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	1.64E+04	4.27E+04	—	1.24E-09
HxCDD	NA	NA	NA	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	1.64E+04	4.27E+04	—	1.24E-09
2,3,4,6,7,8-Hexachlorodibenzofuran	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	1.64E+04	4.27E+04	—	1.24E-09
PeCDD	NA	NA	NA	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	8.18E+04	2.13E+05	—	2.47E-10
PeCDF	NA	NA	NA	—	NA	—	—	—	—	NA	NA	NA	NA	—	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	8.18E+03	2.13E+04	—	2.47E-09
2,3,4,7,8-Pentachlorodibenzofuran	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	8.18E+04	2.13E+05	—	2.47E-10
Octochlorodibenzofuran	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	1.64E+02	4.27E+02	—	1.24E-07
Octochlorodibenzo-p-dioxin	1.56E+00	NA	NA	—	NA	—	—	—	—	NA	7.30E-05	1.64E+02	4.27E+02	—	1.24E-07
Chemical Agent Breakdown (using SVOC equations)															
p-Chlorophenylmethylsulfone	1.56E+00	2.00E+03	NA	—	7.82E-04	—	—	—	—	7.82E-04	7.30E-05	NA	NA	—	NA
p-Chlorophenylmethylsulfoxide	1.56E+00	2.00E+03	NA	—	7.82E-04	—	—	—	—	7.82E-04	7.30E-05	NA	NA	—	NA
1,4-Dithiane	1.56E+00	1.00E+02	5.84E-02	—	1.56E-02	—	—	—	—	1.56E-02	7.30E-05	NA	NA	—	NA
1,4-Oxathiane	1.56E+00	1.00E+03	5.84E-01	—	1.56E-03	—	—	—	—	1.56E-03	7.30E-05	NA	NA	—	NA
Thiodiglycol	1.56E+00	2.50E+01	6.49E-03	—	6.26E-02	—	—	—	—	6.26E-02	7.30E-05	NA	NA	—	NA
Diisopropylmethylphosphonic Acid	1.56E+00	1.25E+01	1.66E-02	—	1.25E-01	—	—	—	—	1.25E-01	7.30E-05	NA	NA	—	NA
Dimethylmethylphosphonic Acid	1.56E+00	1.25E+01	3.65E-02	—	1.25E-01	—	—	—	—	1.25E-01	7.30E-05	NA	NA	—	NA
Ethylmethylphosphonic Acid	1.56E+00	1.25E+01	3.65E-02	—	1.25E-01	—	—	—	—	1.25E-01	7.30E-05	NA	NA	—	NA
Isopropylmethylphosphonic Acid	1.56E+00	1.00E+01	2.40E-02	—	1.56E-01	—	—	—	—	1.56E-01	7.30E-05	NA	NA	—	NA
Methylphosphonic Acid	1.56E+00	1.25E+01	5.39E-02	—	1.25E-01	—	—	—	—	1.25E-01	7.30E-05	NA	NA	—	NA
Explosives (using SVOC equations)															
2-Amino-4,6-dinitrotoluene	1.56E+00	1.67E+04	4.34E+01	—	9.36E-05	—	—	—	—	9.36E-05	7.30E-05	NA	NA	—	NA
4-Amino-2,6-dinitrotoluene	1.56E+00	1.67E+04	4.34E+01	—	9.36E-05	—	—	—	—	9.36E-05	7.30E-05	NA	NA	—	NA
1,3-Dinitrobenzene	1.56E+00	1.00E+04	3.74E+01	—	1.56E-04	—	—	—	—	1.56E-04	7.30E-05	NA	NA	—	NA
2,4-Dinitrotoluene	1.56E+00	5.00E+02	2.77E+00	—	3.11E-03	—	—	—	—	3.11E-03	7.30E-05	7.41E-01	4.72E-03	—	9.79E-05
2,6-Dinitrotoluene	1.56E+00	1.00E+03	3.65E+00	—	1.56E-03	—	—	—	—	1.56E-03	7.30E-05	7.41E-01	3.11E-03	—	9.81E-05
HMX	1.56E+00	2.00E+01	7.51E-03	—	7.82E-02	—	—	—	—	7.82E-02	7.30E-05	NA	NA	—	NA
RDX	1.56E+00	3.33E+02	1.78E-01	—	4.69E-03	—	—	—	—	4.69E-03	7.30E-05	1.09E-01	6.70E-05	—	6.69E-04
Tetryl	1.56E+00	1.00E+02	1.54E-01	—	1.56E-02	—	—	—	—	1.56E-02	7.30E-05	NA	NA	—	NA
1,3,5-Trinitrobenzene	1.56E+00	3.33E+01	5.33E-02	—	4.69E-02	—	—	—	—	4.69E-02	7.30E-05	NA	NA	—	NA
2,4,6-Trinitrotoluene	1.56E+00	2.00E+03	5.21E+00	—	7.80E-04	—	—	—	—	7.80E-04	7.30E-05	3.27E-02	9.78E-05	—	2.23E-03

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/L = Milligrams per liter
NA = Not applicable

Table 2-11

Groundwater - Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Inorganics								
Aluminum	1.02E+01	1.00E+00	1.52E-02	1.01E+01	2.86E-04	NA	NA	NA
Antimony	1.02E+01	2.50E+03	1.03E+02	3.93E-03	2.86E-04	NA	NA	NA
Arsenic	1.02E+01	3.33E+03	1.44E+01	3.05E-03	2.86E-04	1.50E+00	6.47E-03	1.90E-04
Barium	1.02E+01	1.43E+01	6.44E-02	7.12E-01	2.86E-04	NA	NA	NA
Beryllium	1.02E+01	5.00E+02	2.05E+02	1.45E-02	2.86E-04	NA	NA	NA
Cadmium (solid media)	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (water)	1.02E+01	2.00E+03	1.64E+02	4.72E-03	2.86E-04	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.02E+01	6.67E-01	5.47E-02	1.42E+01	2.86E-04	NA	NA	NA
Chromium VI	1.02E+01	3.33E+02	2.73E+01	2.83E-02	2.86E-04	NA	NA	NA
Cobalt	1.02E+01	1.67E+01	1.52E-01	6.08E-01	2.86E-04	NA	NA	NA
Copper	1.02E+01	2.50E+01	1.71E-01	4.06E-01	2.86E-04	NA	NA	NA
Cyanide	1.02E+01	5.00E+01	NA	2.04E-01	2.86E-04	NA	NA	NA
Iron	1.02E+01	3.33E+00	1.37E-02	3.05E+00	2.86E-04	NA	NA	NA
Lead[b]	NA	NA	NA	1.50E-02	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.02E+01	2.13E+01	1.74E+00	4.44E-01	2.86E-04	NA	NA	NA
Mercury	1.02E+01	3.33E+03	1.95E+02	2.90E-03	2.86E-04	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	1.02E+01	2.00E+02	1.17E+00	5.08E-02	2.86E-04	NA	NA	NA
Nickel	1.02E+01	5.00E+01	5.13E-01	2.02E-01	2.86E-04	NA	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.02E+01	2.00E+02	1.03E+00	5.08E-02	2.86E-04	NA	NA	NA
Silver	1.02E+01	2.00E+02	NA	5.11E-02	2.86E-04	NA	NA	NA
Thallium	1.02E+01	1.54E+04	6.31E+01	6.62E-04	2.86E-04	NA	NA	NA
Vanadium	1.02E+01	1.43E+02	2.93E+01	5.94E-02	2.86E-04	NA	NA	NA
Zinc	1.02E+01	3.33E+00	3.28E-02	3.04E+00	2.86E-04	NA	NA	NA
Volatile Organic Compounds								
Acetone	1.02E+01	1.00E+01	2.90E-02	1.02E+00	2.86E-04	NA	NA	NA
Benzene	1.02E+01	3.33E+02	2.87E+01	2.82E-02	2.86E-04	2.90E-02	2.50E-03	9.09E-03
Bis(2-chloroethyl)ether	1.02E+01	NA	NA	NA	2.86E-04	1.10E+00	9.47E-03	2.58E-04
bis(2-Chloroisopropyl)ether	1.02E+01	2.50E+01	1.20E+00	3.90E-01	2.86E-04	7.00E-02	3.36E-03	3.90E-03
Bromobenzene	1.02E+01	5.00E+01	6.36E+00	1.81E-01	2.86E-04	NA	NA	NA
Bromochloromethane	1.02E+01	1.67E+01	2.12E-01	6.06E-01	2.86E-04	NA	NA	NA
Bromodichloromethane	1.02E+01	5.00E+01	1.32E+00	1.99E-01	2.86E-04	6.20E-02	1.64E-03	4.50E-03
Bromoform	1.02E+01	5.00E+01	5.92E-01	2.02E-01	2.86E-04	7.90E-03	9.36E-05	3.58E-02
Bromomethane	1.02E+01	7.14E+02	1.28E+01	1.41E-02	2.86E-04	NA	NA	NA
n-Butylbenzene	1.02E+01	1.00E+02	1.78E+02	3.67E-02	2.86E-04	NA	NA	NA
sec-Butylbenzene	1.02E+01	1.00E+02	1.35E+02	4.35E-02	2.86E-04	NA	NA	NA
tert-Butylbenzene	1.02E+01	1.00E+02	1.06E+02	4.97E-02	2.86E-04	NA	NA	NA
Carbon disulfide	1.02E+01	1.00E+01	1.09E+00	9.21E-01	2.86E-04	NA	NA	NA
Carbon tetrachloride	1.02E+01	1.43E+03	1.61E+02	6.43E-03	2.86E-04	1.30E-01	1.47E-02	1.98E-03
Chlorobenzene	1.02E+01	5.00E+01	8.41E+00	1.75E-01	2.86E-04	NA	NA	NA
Chloroethane	1.02E+01	2.50E+00	8.20E-02	3.96E+00	2.86E-04	2.90E-03	9.51E-05	9.55E-02
Chloroform	1.02E+01	1.00E+02	3.65E+00	9.86E-02	2.86E-04	6.10E-03	2.23E-04	4.53E-02
Chloromethane	1.02E+01	2.50E+02	4.31E+00	4.02E-02	2.86E-04	1.30E-02	2.24E-04	2.16E-02
2-Chloronaphthalene	1.02E+01	1.25E+01	7.69E-01	7.70E-01	2.86E-04	NA	NA	NA
o-Chlorotoluene	1.02E+01	5.00E+01	1.53E+01	1.57E-01	2.86E-04	NA	NA	NA
m-Chlorotoluene	1.02E+01	5.00E+01	1.53E+01	1.57E-01	2.86E-04	NA	NA	NA
p-Chlorotoluene	1.02E+01	5.00E+01	1.53E+01	1.57E-01	2.86E-04	NA	NA	NA
Cumene	1.02E+01	1.00E+01	6.38E+00	6.24E-01	2.86E-04	NA	NA	NA
Dibenzofuran	1.02E+01	2.50E+02	3.10E+02	1.83E-02	2.86E-04	NA	NA	NA

Table 2-11

Groundwater - Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
1,2-Dibromoethane	1.02E+01	NA	NA	NA	2.86E-04	8.50E+01	1.58E+00	3.31E-06
Dibromomethane	1.02E+01	1.00E+02	5.00E-01	1.02E-01	2.86E-04	NA	NA	NA
1,2-Dichlorobenzene	1.02E+01	1.11E+01	3.10E+00	7.19E-01	2.86E-04	NA	NA	NA
1,3-Dichlorobenzene	1.02E+01	1.11E+03	4.40E+02	6.59E-03	2.86E-04	NA	NA	NA
1,4-Dichlorobenzene	1.02E+01	3.33E+01	9.41E+00	2.39E-01	2.86E-04	2.40E-02	6.78E-03	9.30E-03
Dichlorodifluoromethane	1.02E+01	5.00E+00	3.08E-01	1.93E+00	2.86E-04	NA	NA	NA
1,1-Dichloroethane	1.02E+01	1.00E+01	3.65E-01	9.86E-01	2.86E-04	NA	NA	NA
1,2-Dichloroethane	1.02E+01	3.33E+01	7.24E-01	3.00E-01	2.86E-04	9.10E-02	1.98E-03	3.08E-03
1,1-Dichloroethene	1.02E+01	1.11E+02	7.29E+00	8.63E-02	2.86E-04	6.00E-01	3.94E-02	4.48E-04
2-Butanone	1.02E+01	1.67E+00	8.35E-03	6.10E+00	2.86E-04	NA	NA	NA
cis-1,2-Dichloroethene	1.02E+01	1.00E+02	3.12E+00	9.91E-02	2.86E-04	NA	NA	NA
trans-1,2-Dichloroethene	1.02E+01	5.00E+01	2.54E+00	1.95E-01	2.86E-04	NA	NA	NA
1;2-Dichloroethene	1.02E+01	1.11E+02	3.47E+00	8.92E-02	2.86E-04	NA	NA	NA
1,1-Dichloropropene	1.02E+01	3.33E+03	1.72E+02	2.92E-03	2.86E-04	NA	NA	NA
cis-1,3-Dichloropropene	1.02E+01	3.33E+03	8.35E+01	2.99E-03	2.86E-04	1.80E-01	4.51E-03	1.55E-03
trans-1,3-Dichloropropene	1.02E+01	3.33E+03	8.35E+01	2.99E-03	2.86E-04	1.80E-01	4.51E-03	1.55E-03
1,2-Dichloropropane	1.02E+01	NA	NA	NA	2.86E-04	6.80E-02	3.10E-03	4.02E-03
1,3-Dichloropropane	1.02E+01	NA	NA	NA	2.86E-04	NA	NA	NA
2,2-Dichloropropane	1.02E+01	NA	NA	NA	2.86E-04	NA	NA	NA
Ethylbenzene	1.02E+01	1.00E+01	3.30E+00	7.69E-01	2.86E-04	NA	NA	NA
2-Hexanone	1.02E+01	2.50E+01	5.08E-01	4.01E-01	2.86E-04	NA	NA	NA
Isopropylbenzene	1.02E+01	1.00E+01	6.38E+00	6.24E-01	2.86E-04	NA	NA	NA
Methyl Chloride	1.02E+01	2.50E+02	4.31E+00	4.02E-02	2.86E-04	1.30E-02	2.24E-04	2.16E
Methylene Chloride	1.02E+01	1.67E+01	3.08E-01	6.02E-01	2.86E-04	7.50E-03	1.38E-04	3.75E-0
Methyl Isobutyl Ketone	1.02E+01	1.25E+01	1.89E-01	8.05E-01	2.86E-04	NA	NA	NA
4-Methyl-2-Pentanone	1.02E+01	1.25E+01	1.89E-01	8.05E-01	2.86E-04	NA	NA	NA
n-Propylbenzene	1.02E+01	1.00E+02	5.69E+01	6.51E-02	2.86E-04	NA	NA	NA
Naphthalene	1.02E+01	5.00E+01	1.41E+01	1.59E-01	2.86E-04	NA	NA	NA
Nitrobenzene	1.02E+01	2.00E+03	5.53E+02	4.00E-03	2.86E-04	NA	NA	NA
4-Nitrophenol	1.02E+01	1.25E+02	3.91E+00	7.93E-02	2.86E-04	NA	NA	NA
o-Nitrotoluene	1.02E+01	1.00E+02	5.42E+00	9.69E-02	2.86E-04	NA	NA	NA
p-Nitrotoluene	1.02E+01	1.00E+02	6.10E+00	9.63E-02	2.86E-04	NA	NA	NA
p-Cymene	1.02E+01	5.00E+00	5.38E+00	9.85E-01	2.86E-04	NA	NA	NA
Styrene	1.02E+01	5.00E+00	1.13E+00	1.67E+00	2.86E-04	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.02E+01	3.33E+01	2.73E+00	2.83E-01	2.86E-04	2.60E-02	2.13E-03	1.02E-02
1,1,2,2-Tetrachloroethane	1.02E+01	1.67E+01	8.79E-01	5.82E-01	2.86E-04	2.00E-01	1.05E-02	1.36E-03
Tetrachloroethene	1.02E+01	1.00E+02	1.97E+01	8.54E-02	2.86E-04	5.20E-02	1.02E-02	4.60E-03
Toluene	1.02E+01	5.00E+00	9.23E-01	1.73E+00	2.86E-04	NA	NA	NA
1,2,3-Trichlorobenzene	1.02E+01	1.00E+03	5.10E+02	6.77E-03	2.86E-04	NA	NA	NA
1,2,4-Trichlorobenzene	1.02E+01	1.00E+02	4.55E+01	7.03E-02	2.86E-04	NA	NA	NA
1,3,5-Trichlorobenzene	1.02E+01	1.00E+03	6.42E+02	6.22E-03	2.86E-04	NA	NA	NA
1,1,1-Trichloroethane	1.02E+01	5.00E+00	3.49E-01	1.91E+00	2.86E-04	NA	NA	NA
1,1,2-Trichloroethane	1.02E+01	2.50E+02	8.61E+00	3.95E-02	2.86E-04	5.70E-02	1.96E-03	4.85E-03
Trichloroethene	1.02E+01	1.67E+02	1.21E+01	5.72E-02	2.86E-04	1.10E-02	8.02E-04	2.42E-02
Trichlorofluoromethane	1.02E+01	3.33E+00	2.90E-01	2.82E+00	2.86E-04	NA	NA	NA
1,2,3-Trichloropropane	1.02E+01	1.67E+02	8.40E+00	5.84E-02	2.86E-04	7.00E+00	3.53E-01	3.89E-05
1,2,3-Trimethylbenzene	1.02E+01	2.00E+01	1.32E+01	3.08E-01	2.86E-04	NA	NA	NA
1,2,4-Trimethylbenzene	1.02E+01	2.00E+01	1.58E+01	2.86E-01	2.86E-04	NA	NA	NA
1,3,5-Trimethylbenzene	1.02E+01	2.00E+01	1.18E+01	3.22E-01	2.86E-04	NA	NA	NA
Vinyl Chloride	1.02E+01	NA	NA	NA	2.86E-04	1.90E+00	5.69E-02	1.46E-04
Xylenes	1.02E+01	5.00E-01	1.64E-01	1.54E+01	2.86E-04	NA	NA	NA
m,p-Xylenes	1.02E+01	5.00E-01	1.64E-01	1.54E+01	2.86E-04	NA	NA	NA
o-Xylene	1.02E+01	5.00E-01	1.64E-01	1.54E+01	2.86E-04	NA	NA	NA
1,2-Dimethylbenzene	1.02E+01	5.00E-01	1.64E-01	1.54E+01	2.86E-04	NA	NA	NA

Semi-Volatile Organic Compounds

Table 2-11

Groundwater - Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Acenaphthene	1.02E+01	1.67E+01	2.00E+01	2.79E-01	2.86E-04	NA	NA	NA
Acenaphthylene	1.02E+01	1.67E+01	2.31E+01	2.57E-01	2.86E-04	NA	NA	NA
Anthracene	1.02E+01	3.33E+00	4.39E+00	1.32E+00	2.86E-04	NA	NA	NA
Benzo(a)anthracene	1.02E+01	NA	NA	NA	2.86E-04	7.30E-01	4.85E+00	5.13E-05
Benzo(b)fluoranthene	1.02E+01	NA	NA	NA	2.86E-04	7.30E-01	7.18E+00	3.62E-05
Benzo(k)fluoranthene	1.02E+01	NA	NA	NA	2.86E-04	7.30E-02	6.64E-01	3.88E-04
Benzo(g,h,I)perylene	1.02E+01	3.33E+01	4.43E+02	2.15E-02	2.86E-04	NA	NA	NA
Benzo(a)pyrene	1.02E+01	NA	NA	NA	2.86E-04	7.30E+00	7.18E+01	3.62E-06
Benzoic Acid	1.02E+01	2.50E-01	7.48E-03	3.97E+01	2.86E-04	NA	NA	NA
bis(2-Chloroethoxy)methane	1.02E+01	3.33E+02	9.75E-01	3.06E-02	2.86E-04	NA	NA	NA
bis(2-ethylhexyl)phthalate	1.02E+01	5.00E+01	1.35E+01	1.61E-01	2.86E-04	1.40E-02	3.79E-03	1.61E-02
4-Bromodiphenyl ether	1.02E+01	1.72E+01	4.28E+01	1.70E-01	2.86E-04	NA	NA	NA
Butyl benzyl phthalate	1.02E+01	5.00E+00	2.12E+00	1.44E+00	2.86E-04	NA	NA	NA
Carbazole	1.02E+01	NA	NA	NA	2.86E-04	2.00E-02	1.02E-02	9.47E-03
4-Chloroaniline	1.02E+01	2.50E+02	6.92E+00	3.98E-02	2.86E-04	NA	NA	NA
4-Chlorodiphenyl ether	1.02E+01	1.72E+01	1.20E+01	3.50E-01	2.86E-04	NA	NA	NA
4-Chloro-3-methylphenol	1.02E+01	2.00E+02	4.82E+01	4.12E-02	2.86E-04	NA	NA	NA
2-Chlorophenol	1.02E+01	2.00E+02	9.02E+00	4.89E-02	2.86E-04	NA	NA	NA
Chrysene	1.02E+01	NA	NA	NA	2.86E-04	7.30E-03	3.03E-02	7.61E-03
Dibenz(a,h)anthracene	1.02E+01	NA	NA	NA	2.86E-04	7.30E+00	1.01E+02	2.64E-06
Dibromochloromethane	1.02E+01	5.00E+01	8.88E-01	2.01E-01	2.86E-04	8.40E-02	1.49E-03	3.35E-03
3'-Dichlorobenzidine	1.02E+01	NA	NA	NA	2.86E-04	4.50E-01	3.49E-02	5.90E-04
-Dichlorophenol	1.02E+01	3.33E+02	3.14E+01	2.80E-02	2.86E-04	NA	NA	NA
2,6-Dichlorophenol	1.02E+01	3.33E+02	2.36E+01	2.86E-02	2.86E-04	NA	NA	NA
Diethyl phthalate	1.02E+01	1.25E+00	4.92E-02	7.87E+00	2.86E-04	NA	NA	NA
2,4-Dimethylphenol	1.02E+01	5.00E+01	3.84E+00	1.90E-01	2.86E-04	NA	NA	NA
Dimethyl phthalate	1.02E+01	NA	NA	NA	2.86E-04	NA	NA	NA
4,6-Dintro-2-methylphenol	1.02E+01	1.00E+04	6.36E+02	9.61E-04	2.86E-04	NA	NA	NA
2,4-Dinitrophenol	1.02E+01	5.00E+02	7.38E+00	2.01E-02	2.86E-04	NA	NA	NA
Di-n-butyl phthalate	1.02E+01	1.00E+01	1.50E+00	8.88E-01	2.86E-04	NA	NA	NA
Di-n-octyl phthalate	1.02E+01	5.00E+01	1.37E+04	7.46E-04	2.86E-04	NA	NA	NA
2,4-Dinitrotoluene	1.02E+01	5.00E+02	7.79E+00	2.01E-02	2.86E-04	6.80E-01	1.06E-02	4.14E-04
2,6-Dinitrotoluene	1.02E+01	1.00E+03	1.03E+01	1.01E-02	2.86E-04	6.80E-01	6.97E-03	4.17E-04
Fluoranthene	1.02E+01	2.50E+01	7.38E+01	1.03E-01	2.86E-04	NA	NA	NA
Fluorene	1.02E+01	2.50E+01	2.40E+01	2.09E-01	2.86E-04	NA	NA	NA
Hexachlorobenzene	1.02E+01	1.25E+03	1.20E+03	4.18E-03	2.86E-04	1.60E+00	1.53E+00	9.14E-05
Hexachlorobutadiene	1.02E+01	5.00E+03	2.73E+02	1.94E-03	2.86E-04	7.80E-02	4.26E-03	3.48E-03
Hexachlorocyclopentadiene	1.02E+01	1.43E+02	1.49E+02	3.50E-02	2.86E-04	NA	NA	NA
Hexachloroethane	1.02E+01	1.00E+03	1.91E+02	8.58E-03	2.86E-04	1.40E-02	2.68E-03	1.72E-02
Indeno(1,2,3-cd)pyrene	1.02E+01	NA	NA	NA	2.86E-04	7.30E-01	1.14E+01	2.36E-05
Isophorone	1.02E+01	5.00E+00	1.72E-01	1.98E+00	2.86E-04	9.50E-04	3.27E-05	2.91E-01
2-Methylnaphthalene	1.02E+01	5.00E+01	3.64E+01	1.18E-01	2.86E-04	NA	NA	NA
4-Methylnaphthalene	1.02E+01	5.00E+01	3.72E+01	1.17E-01	2.86E-04	NA	NA	NA
2-Methylphenol	1.02E+01	2.00E+01	9.65E-01	4.87E-01	2.86E-04	NA	NA	NA
4-Methylphenol	1.02E+01	2.00E+02	9.65E+00	4.87E-02	2.86E-04	NA	NA	NA
2-Nitroaniline	1.02E+01	3.33E+03	8.11E+01	2.99E-03	2.86E-04	NA	NA	NA
3-Nitroaniline	1.02E+01	3.33E+03	3.70E+01	3.03E-03	2.86E-04	NA	NA	NA
4-Nitroaniline	1.02E+01	3.33E+02	3.83E+00	3.03E-02	2.86E-04	NA	NA	NA
2-Nitrophenol	1.02E+01	1.25E+02	5.13E+00	7.85E-02	2.86E-04	NA	NA	NA
N-Nitrosodiphenylamine	1.02E+01	NA	NA	NA	2.86E-04	4.90E-03	3.94E-04	5.41E-02
-Nitrosodi-n-propylamine	1.02E+01	NA	NA	NA	2.86E-04	7.00E+00	8.38E-01	3.65E-05
ntachlorophenol	1.02E+01	3.33E+01	8.94E+01	8.33E-02	2.86E-04	1.20E-01	3.22E-01	6.48E-04
Phenanthrene	1.02E+01	3.33E+00	6.29E+00	1.06E+00	2.86E-04	NA	NA	NA
Phenol	1.02E+01	1.67E+00	3.96E-02	5.99E+00	2.86E-04	NA	NA	NA
Pyrene	1.02E+01	3.33E+01	5.54E+01	1.15E-01	2.86E-04	NA	NA	NA
2,4,5-Trichlorophenol	1.02E+01	1.00E+01	3.03E+00	7.84E-01	2.86E-04	NA	NA	NA

Table 2-11

Groundwater - Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
2,4,6-Trichlorophenol	1.02E+01	NA	NA	NA	2.86E-04	1.10E-02	2.51E-03	2.12E-02
Pesticides/PCBs (using SVOC equations)								
Aldrin	1.02E+01	3.33E+04	4.37E+02	3.03E-04	2.86E-04	1.70E+01	2.23E-01	1.66E-05
PCBs (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1016 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (water)	1.02E+01	1.43E+04	4.62E+04	1.69E-04	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1221 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1232 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1242 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1248 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1254 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (water)	1.02E+01	5.00E+04	1.62E+05	4.83E-05	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1260 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Aroclor 1262 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-
Aroclor 1268 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (water)	1.02E+01	NA	NA	NA	2.86E-04	2.00E+00	5.82E+00	3.66E-05
Azinphos-methyl	1.02E+01	1.11E+04	1.08E+02	9.11E-04	2.86E-04	NA	NA	NA
alpha-BHC	1.02E+01	NA	NA	NA	2.86E-04	6.30E+00	4.26E-01	4.25E-05
beta-BHC	1.02E+01	NA	NA	NA	2.86E-04	1.80E+00	1.36E-01	1.48E-04
gamma-BHC (Lindane)	1.02E+01	3.33E+03	1.91E+02	2.90E-03	2.86E-04	1.30E+00	7.46E-02	2.08E-04
delta-BHC	1.02E+01	3.33E+03	4.14E+02	2.73E-03	2.86E-04	NA	NA	NA
Bolstar	1.02E+01	4.00E+04	2.92E+04	1.48E-04	2.86E-04	NA	NA	NA
Chlordane	1.02E+01	2.00E+03	4.72E+02	4.14E-03	2.86E-04	3.50E-01	8.25E-02	6.62E-04
Chlorpyrifos	1.02E+01	3.33E+02	6.99E+01	2.53E-02	2.86E-04	NA	NA	NA
Coumaphos	1.02E+01	4.00E+04	1.82E+03	2.44E-04	2.86E-04	NA	NA	NA
Dalapon	1.02E+01	3.33E+01	1.73E-01	3.05E-01	2.86E-04	NA	NA	NA
DDD	1.02E+01	NA	NA	NA	2.86E-04	2.40E-01	3.06E-01	5.24E-04
4,4'-DDD	1.02E+01	NA	NA	NA	2.86E-04	2.40E-01	3.06E-01	5.24E-04
DDE	1.02E+01	NA	NA	NA	2.86E-04	3.40E-01	3.72E-01	4.02E-04
4,4'-DDE	1.02E+01	NA	NA	NA	2.86E-04	3.40E-01	3.72E-01	4.02E-04
DDT	1.02E+01	2.00E+03	3.92E+03	1.73E-03	2.86E-04	3.40E-01	6.66E-01	2.84E-04
4,4'-DDT	1.02E+01	2.00E+03	3.92E+03	1.73E-03	2.86E-04	3.40E-01	6.66E-01	2.84E-04
Demeton	1.02E+01	2.50E+04	NA	4.09E-04	2.86E-04	NA	NA	NA
Diazinon	1.02E+01	1.11E+03	4.05E+01	8.87E-03	2.86E-04	NA	NA	NA
Dieldrin	1.02E+01	2.00E+04	2.62E+03	4.52E-04	2.86E-04	1.60E+01	2.10E+00	1.58E-05
1,2-Dibromo-3-chloropropane (DBCP)	1.02E+01	NA	NA	NA	2.86E-04	1.40E+00	5.56E-02	1.97E-04
Dichlorvos	1.02E+01	2.00E+03	7.79E+00	5.09E-03	2.86E-04	2.90E-01	1.13E-03	9.83E-04
Dimethoate	1.02E+01	5.00E+03	5.58E+00	2.04E-03	2.86E-04	NA	NA	NA
Dinoseb	1.02E+01	1.00E+01	1.50E-01	1.01E+00	2.86E-04	NA	NA	NA
Disulfoton	1.02E+01	2.50E+04	3.19E+03	3.63E-04	2.86E-04	NA	NA	NA
Endosulfan	1.02E+01	1.67E+02	1.59E+00	6.07E-02	2.86E-04	NA	NA	NA
Endosulfan II	1.02E+01	1.67E+02	1.59E+00	6.07E-02	2.86E-04	NA	NA	NA
Endodulfan sulfate	1.02E+01	1.67E+02	1.59E+00	6.07E-02	2.86E-04	NA	NA	NA
Endrin	1.02E+01	3.33E+03	4.43E+02	2.71E-03	2.86E-04	NA	NA	NA
Endrin aldehyde	1.02E+01	3.33E+04	2.34E+04	1.80E-04	2.86E-04	NA	NA	NA
Endrin ketone	1.02E+01	3.33E+04	NA	3.07E-04	2.86E-04	NA	NA	NA
Ethoprop	1.02E+01	2.50E+05	2.47E+04	3.72E-05	2.86E-04	NA	NA	NA
Famphur	1.02E+01	4.00E+04	1.50E+02	2.55E-04	2.86E-04	NA	NA	NA

Table 2-11

Groundwater - Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Fensulfothion	1.02E+01	4.00E+04	1.75E+02	2.54E-04	2.86E-04	NA	NA	NA
Fenthion	1.02E+01	4.00E+04	5.58E+03	2.24E-04	2.86E-04	NA	NA	NA
Heptachlor	1.02E+01	2.00E+03	1.09E+02	4.85E-03	2.86E-04	4.50E+00	2.45E-01	6.03E-05
Heptachlor Epoxide	1.02E+01	7.69E+04	2.08E+04	1.05E-04	2.86E-04	9.10E+00	2.46E+00	2.47E-05
Malathion	1.02E+01	5.00E+01	2.08E-01	2.04E-01	2.86E-04	NA	NA	NA
Merphos	1.02E+01	3.33E+04	1.22E+06	8.16E-06	2.86E-04	NA	NA	NA
Methoxychlor	1.02E+01	2.00E+02	2.00E+01	4.65E-02	2.86E-04	NA	NA	NA
Methyl parathion	1.02E+01	4.00E+03	9.24E+01	2.50E-03	2.86E-04	NA	NA	NA
Mevinphos	1.02E+01	4.00E+04	NA	2.56E-04	2.86E-04	NA	NA	NA
Naled	1.02E+01	5.00E+02	1.97E-01	2.04E-02	2.86E-04	NA	NA	NA
Parathion	1.02E+01	1.67E+02	1.27E+01	5.70E-02	2.86E-04	NA	NA	NA
Phorate	1.02E+01	5.00E+03	6.11E+02	1.82E-03	2.86E-04	NA	NA	NA
Ronnel	1.02E+01	2.00E+01	6.51E+00	3.85E-01	2.86E-04	NA	NA	NA
Stirophos	1.02E+01	3.33E+01	4.89E-01	3.02E-01	2.86E-04	NA	NA	NA
Sulfotep	1.02E+01	2.00E+03	1.28E+02	4.80E-03	2.86E-04	NA	NA	NA
Thionazin	1.02E+01	1.11E+04	NA	9.20E-04	2.86E-04	NA	NA	NA
Tokuthion	1.02E+01	2.00E+02	NA	5.11E-02	2.86E-04	NA	NA	NA
Toxaphene	1.02E+01	NA	NA	NA	2.86E-04	1.10E+00	7.52E-02	2.44E-04
Trichloronate	1.02E+01	2.00E+02	8.28E+01	3.61E-02	2.86E-04	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.02E+01	4.00E+05	NA	2.56E-05	2.86E-04	NA	NA	NA
'erbicides (using SVOC equations)								
;-D	1.02E+01	1.00E+02	3.46E+00	9.88E-02	2.86E-04	NA	NA	NA
2,4-DB	1.02E+01	1.25E+02	2.33E+00	8.03E-02	2.86E-04	NA	NA	NA
Dicamba	1.02E+01	3.33E+01	4.33E-01	3.03E-01	2.86E-04	NA	NA	NA
Dichloroprop	1.02E+01	1.25E+03	4.81E+01	7.87E-03	2.86E-04	NA	NA	NA
MCPA	1.02E+01	2.00E+03	2.96E+01	5.04E-03	2.86E-04	NA	NA	NA
MCPP	1.02E+01	1.00E+03	6.88E+01	9.56E-03	2.86E-04	NA	NA	NA
2,4,5-T	1.02E+01	1.00E+02	5.70E+00	9.67E-02	2.86E-04	NA	NA	NA
2,4,5-TP	1.02E+01	1.25E+02	1.23E+01	7.44E-02	2.86E-04	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)								
TCDD	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.02E+01	NA	NA	NA	2.86E-04	1.50E+05	9.57E+05	2.59E-10
TCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+03	9.57E+03	2.59E-08
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	2.86E-04	1.50E+03	9.57E+03	2.59E-08
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+03	9.57E+03	2.59E-08
1,2,3,4,7,8-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
1,2,3,6,7,8-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
3,4,6,7,8-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+04	9.57E+04	2.59E-09
;CDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	2.86E-04	7.50E+04	4.78E+05	5.17E-10
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	7.50E+03	4.78E+04	5.17E-09
2,3,4,7,8-Pentachlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	7.50E+04	4.78E+05	5.17E-10

Table 2-11

Groundwater - Groundskeeper SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Octochlorodibenzofuran	1.02E+01	NA	NA	NA	2.86E-04	1.50E+02	9.57E+02	2.59E-07
Octochlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	2.86E-04	1.50E+02	9.57E+02	2.59E-07
Chemical Agent Breakdown (using SVOC equations)								
p-Chlorophenylmethylsulfone	1.02E+01	2.00E+03	NA	5.11E-03	2.86E-04	NA	NA	NA
p-Chlorophenylmethylsulfoxide	1.02E+01	2.00E+03	NA	5.11E-03	2.86E-04	NA	NA	NA
1,4-Dithiane	1.02E+01	1.00E+02	1.64E-01	1.02E-01	2.86E-04	NA	NA	NA
1,4-Oxathiane	1.02E+01	1.00E+03	1.64E+00	1.02E-02	2.86E-04	NA	NA	NA
Thiodiglycol	1.02E+01	2.50E+01	1.82E-02	4.09E-01	2.86E-04	NA	NA	NA
Diisopropylmethylphosphonic Acid	1.02E+01	1.25E+01	4.65E-02	8.15E-01	2.86E-04	NA	NA	NA
Dimethylmethylphosphonic Acid	1.02E+01	1.25E+01	1.03E-01	8.11E-01	2.86E-04	NA	NA	NA
Ethylmethylphosphonic Acid	1.02E+01	1.25E+01	1.03E-01	8.11E-01	2.86E-04	NA	NA	NA
Isopropylmethylphosphonic Acid	1.02E+01	1.00E+01	6.74E-02	1.02E+00	2.86E-04	NA	NA	NA
Methylphosphonic Acid	1.02E+01	1.25E+01	1.51E-01	8.08E-01	2.86E-04	NA	NA	NA
Explosives (using SVOC equations)								
2-Amino-4,6-dinitrotoluene	1.02E+01	1.67E+04	1.22E+02	6.09E-04	2.86E-04	NA	NA	NA
4-Amino-2,6-dinitrotoluene	1.02E+01	1.67E+04	1.22E+02	6.09E-04	2.86E-04	NA	NA	NA
1,3-Dinitrobenzene	1.02E+01	1.00E+04	1.05E+02	1.01E-03	2.86E-04	NA	NA	NA
2,4-Dinitrotoluene	1.02E+01	5.00E+02	7.79E+00	2.01E-02	2.86E-04	6.80E-01	1.06E-02	4.14E-04
2,6-Dinitrotoluene	1.02E+01	1.00E+03	1.03E+01	1.01E-02	2.86E-04	6.80E-01	6.97E-03	4.17E-04
HMX	1.02E+01	2.00E+01	2.11E-02	5.10E-01	2.86E-04	NA	NA	NA
RDX	1.02E+01	3.33E+02	5.01E-01	3.06E-02	2.86E-04	1.00E-01	1.50E-04	2.86E
Tetryl	1.02E+01	1.00E+02	4.32E-01	1.02E-01	2.86E-04	NA	NA	NA
1,3,5-Trinitrobenzene	1.02E+01	3.33E+01	1.50E-01	3.05E-01	2.86E-04	NA	NA	NA
2,4,6-Trinitrotoluene	1.02E+01	2.00E+03	1.46E+01	5.07E-03	2.86E-04	3.00E-02	2.19E-04	9.47E-03

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/L = Milligrams per liter
NA = Not applicable

Table 2-12

Groundwater - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Inorganics								
Aluminum	1.02E+01	1.00E+00	1.52E-02	1.01E+01	7.15E-03	NA	NA	NA
Antimony	1.02E+01	2.50E+03	1.03E+02	3.93E-03	7.15E-03	NA	NA	NA
Arsenic	1.02E+01	3.33E+03	1.44E+01	3.05E-03	7.15E-03	1.50E+00	6.47E-03	4.75E-03
Barium	1.02E+01	1.43E+01	6.44E-02	7.12E-01	7.15E-03	NA	NA	NA
Beryllium	1.02E+01	5.00E+02	2.05E+02	1.45E-02	7.15E-03	NA	NA	NA
Cadmium (solid media)	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (water)	1.02E+01	2.00E+03	1.64E+02	4.72E-03	7.15E-03	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.02E+01	6.67E-01	5.47E-02	1.42E+01	7.15E-03	NA	NA	NA
Chromium VI	1.02E+01	3.33E+02	2.73E+01	2.83E-02	7.15E-03	NA	NA	NA
Cobalt	1.02E+01	1.67E+01	1.52E-01	6.08E-01	7.15E-03	NA	NA	NA
Copper	1.02E+01	2.50E+01	1.71E-01	4.06E-01	7.15E-03	NA	NA	NA
Cyanide	1.02E+01	5.00E+01	NA	2.04E-01	7.15E-03	NA	NA	NA
Iron	1.02E+01	3.33E+00	1.37E-02	3.05E+00	7.15E-03	NA	NA	NA
Lead[b]	NA	NA	NA	1.50E-02	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.02E+01	2.13E+01	1.74E+00	4.44E-01	7.15E-03	NA	NA	NA
Mercury	1.02E+01	3.33E+03	1.95E+02	2.90E-03	7.15E-03	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	1.02E+01	2.00E+02	1.17E+00	5.08E-02	7.15E-03	NA	NA	NA
Nickel	1.02E+01	5.00E+01	5.13E-01	2.02E-01	7.15E-03	NA	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.02E+01	2.00E+02	1.03E+00	5.08E-02	7.15E-03	NA	NA	NA
Silver	1.02E+01	2.00E+02	NA	5.11E-02	7.15E-03	NA	NA	NA
Thallium	1.02E+01	1.54E+04	6.31E+01	6.62E-04	7.15E-03	NA	NA	NA
Vanadium	1.02E+01	1.43E+02	2.93E+01	5.94E-02	7.15E-03	NA	NA	NA
Zinc	1.02E+01	3.33E+00	3.28E-02	3.04E+00	7.15E-03	NA	NA	NA
Volatile Organic Compounds								
Acetone	1.02E+01	1.00E+01	2.90E-02	1.02E+00	7.15E-03	NA	NA	NA
Benzene	1.02E+01	3.33E+02	2.87E+01	2.82E-02	7.15E-03	2.90E-02	2.50E-03	2.27E-01
Bis(2-chloroethyl)ether	1.02E+01	NA	NA	NA	7.15E-03	1.10E+00	9.47E-03	6.45E-03
bis(2-Chloroisopropyl)ether	1.02E+01	2.50E+01	1.20E+00	3.90E-01	7.15E-03	7.00E-02	3.36E-03	9.75E-02
Bromobenzene	1.02E+01	5.00E+01	6.36E+00	1.81E-01	7.15E-03	NA	NA	NA
Bromochloromethane	1.02E+01	1.67E+01	2.12E-01	6.06E-01	7.15E-03	NA	NA	NA
Bromodichloromethane	1.02E+01	5.00E+01	1.32E+00	1.99E-01	7.15E-03	6.20E-02	1.64E-03	1.12E-01
Bromoform	1.02E+01	5.00E+01	5.92E-01	2.02E-01	7.15E-03	7.90E-03	9.36E-05	8.95E-01
Bromomethane	1.02E+01	7.14E+02	1.28E+01	1.41E-02	7.15E-03	NA	NA	NA
n-Butylbenzene	1.02E+01	1.00E+02	1.78E+02	3.67E-02	7.15E-03	NA	NA	NA
sec-Butylbenzene	1.02E+01	1.00E+02	1.35E+02	4.35E-02	7.15E-03	NA	NA	NA
tert-Butylbenzene	1.02E+01	1.00E+02	1.06E+02	4.97E-02	7.15E-03	NA	NA	NA
Carbon disulfide	1.02E+01	1.00E+01	1.09E+00	9.21E-01	7.15E-03	NA	NA	NA
Carbon tetrachloride	1.02E+01	1.43E+03	1.61E+02	6.43E-03	7.15E-03	1.30E-01	1.47E-02	4.95E-02
Chlorobenzene	1.02E+01	5.00E+01	8.41E+00	1.75E-01	7.15E-03	NA	NA	NA
Chloroethane	1.02E+01	2.50E+00	8.20E-02	3.96E+00	7.15E-03	2.90E-03	9.51E-05	2.39E+00
Chloroform	1.02E+01	1.00E+02	3.65E+00	9.86E-02	7.15E-03	6.10E-03	2.23E-04	1.13E+00
Chloromethane	1.02E+01	2.50E+02	4.31E+00	4.02E-02	7.15E-03	1.30E-02	2.24E-04	5.41E-01
2-Chloronaphthalene	1.02E+01	1.25E+01	7.69E-01	7.70E-01	7.15E-03	NA	NA	NA
m-Chlorotoluene	1.02E+01	5.00E+01	1.53E+01	1.57E-01	7.15E-03	NA	NA	NA
o-Chlorotoluene	1.02E+01	5.00E+01	1.53E+01	1.57E-01	7.15E-03	NA	NA	NA
p-Chlorotoluene	1.02E+01	5.00E+01	1.53E+01	1.57E-01	7.15E-03	NA	NA	NA
Cumene	1.02E+01	1.00E+01	6.38E+00	6.24E-01	7.15E-03	NA	NA	NA
Dibenzofuran	1.02E+01	2.50E+02	3.10E+02	1.83E-02	7.15E-03	NA	NA	NA
1,2-Dibromoethane	1.02E+01	NA	NA	NA	7.15E-03	8.50E+01	1.58E+00	8.26E-05
Dibromomethane	1.02E+01	1.00E+02	5.00E-01	1.02E-01	7.15E-03	NA	NA	NA
1,2-Dichlorobenzene	1.02E+01	1.11E+01	3.10E+00	7.19E-01	7.15E-03	NA	NA	NA
1,3-Dichlorobenzene	1.02E+01	1.11E+03	4.40E+02	6.59E-03	7.15E-03	NA	NA	NA
1,4-Dichlorobenzene	1.02E+01	3.33E+01	9.41E+00	2.39E-01	7.15E-03	2.40E-02	6.78E-03	2.32E-01
Dichlorodifluoromethane	1.02E+01	5.00E+00	3.08E-01	1.93E+00	7.15E-03	NA	NA	NA
1,1-Dichloroethane	1.02E+01	1.00E+01	3.65E-01	9.86E-01	7.15E-03	NA	NA	NA
1,2-Dichloroethane	1.02E+01	3.33E+01	7.24E-01	3.00E-01	7.15E-03	9.10E-02	1.98E-03	7.69E-02
1,1-Dichloroethene	1.02E+01	1.11E+02	7.29E+00	8.63E-02	7.15E-03	6.00E-01	3.94E-02	1.12E-02
2-Butanone	1.02E+01	1.67E+00	8.35E-03	6.10E+00	7.15E-03	NA	NA	NA
cis-1,2-Dichloroethene	1.02E+01	1.00E+02	3.12E+00	9.91E-02	7.15E-03	NA	NA	NA
trans-1,2-Dichloroethene	1.02E+01	5.00E+01	2.54E+00	1.95E-01	7.15E-03	NA	NA	NA
1,2-Dichloroethene	1.02E+01	1.11E+02	3.47E+00	8.92E-02	7.15E-03	NA	NA	NA
1,1-Dichloropropene	1.02E+01	3.33E+03	1.72E+02	2.92E-03	7.15E-03	NA	NA	NA

Table 2-12

Groundwater - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
cis-1,3-Dichloropropene	1.02E+01	3.33E+03	8.35E+01	2.99E-03	7.15E-03	1.80E-01	4.51E-03	3.88E-02
trans-1,3-Dichloropropene	1.02E+01	3.33E+03	8.35E+01	2.99E-03	7.15E-03	1.80E-01	4.51E-03	3.88E-02
1,2-Dichloropropane	1.02E+01	NA	NA	NA	7.15E-03	6.80E-02	3.10E-03	1.01E-01
1,3-Dichloropropane	1.02E+01	NA	NA	NA	7.15E-03	NA	NA	NA
2,2-Dichloropropane	1.02E+01	NA	NA	NA	7.15E-03	NA	NA	NA
Ethylbenzene	1.02E+01	1.00E+01	3.30E+00	7.69E-01	7.15E-03	NA	NA	NA
2-Hexanone	1.02E+01	2.50E+01	5.08E-01	4.01E-01	7.15E-03	NA	NA	NA
Isopropylbenzene	1.02E+01	1.00E+01	6.38E+00	6.24E-01	7.15E-03	NA	NA	NA
Methyl Chloride	1.02E+01	2.50E+02	4.31E+00	4.02E-02	7.15E-03	1.30E-02	2.24E-04	5.41E-01
Methylene Chloride	1.02E+01	1.67E+01	3.08E-01	6.02E-01	7.15E-03	7.50E-03	1.38E-04	9.37E-01
Methyl Isobutyl Ketone	1.02E+01	1.25E+01	1.89E-01	8.05E-01	7.15E-03	NA	NA	NA
4-Methyl-2-Pentanone	1.02E+01	1.25E+01	1.89E-01	8.05E-01	7.15E-03	NA	NA	NA
n-Propylbenzene	1.02E+01	1.00E+02	5.69E+01	6.51E-02	7.15E-03	NA	NA	NA
Naphthalene	1.02E+01	5.00E+01	1.41E+01	1.59E-01	7.15E-03	NA	NA	NA
Nitrobenzene	1.02E+01	2.00E+03	5.53E+02	4.00E-03	7.15E-03	NA	NA	NA
4-Nitrophenol	1.02E+01	1.25E+02	3.91E+00	7.93E-02	7.15E-03	NA	NA	NA
o-Nitrotoluene	1.02E+01	1.00E+02	5.42E+00	9.69E-02	7.15E-03	NA	NA	NA
p-Nitrotoluene	1.02E+01	1.00E+02	6.10E+00	9.63E-02	7.15E-03	NA	NA	NA
p-Cymene	1.02E+01	5.00E+00	5.38E+00	9.85E-01	7.15E-03	NA	NA	NA
Styrene	1.02E+01	5.00E+00	1.13E+00	1.67E+00	7.15E-03	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.02E+01	3.33E+01	2.73E+00	2.83E-01	7.15E-03	2.60E-02	2.13E-03	2.54E-01
1,1,2,2-Tetrachloroethane	1.02E+01	1.67E+01	8.79E-01	5.82E-01	7.15E-03	2.00E-01	1.05E-02	3.40E-02
Tetrachloroethene	1.02E+01	1.00E+02	1.97E+01	8.54E-02	7.15E-03	5.20E-02	1.02E-02	1.15E-01
Toluene	1.02E+01	5.00E+00	9.23E-01	1.73E+00	7.15E-03	NA	NA	NA
1,2,3-Trichlorobenzene	1.02E+01	1.00E+03	5.10E+02	6.77E-03	7.15E-03	NA	NA	NA
1,2,4-Trichlorobenzene	1.02E+01	1.00E+02	4.55E+01	7.03E-02	7.15E-03	NA	NA	NA
1,3,5-Trichlorobenzene	1.02E+01	1.00E+03	6.42E+02	6.22E-03	7.15E-03	NA	NA	NA
1,1,1-Trichloroethane	1.02E+01	5.00E+00	3.49E-01	1.91E+00	7.15E-03	NA	NA	NA
1,1,2-Trichloroethane	1.02E+01	2.50E+02	8.61E+00	3.95E-02	7.15E-03	5.70E-02	1.96E-03	1.21E-01
Trichloroethene	1.02E+01	1.67E+02	1.21E+01	5.72E-02	7.15E-03	1.10E-02	8.02E-04	6.06E-01
Trichlorofluoromethane	1.02E+01	3.33E+00	2.90E-01	2.82E+00	7.15E-03	NA	NA	NA
1,2,3-Trichloropropane	1.02E+01	1.67E+02	8.40E+00	5.84E-02	7.15E-03	7.00E+00	3.53E-01	9.73E-04
1,2,3-Trimethylbenzene	1.02E+01	2.00E+01	1.32E+01	3.08E-01	7.15E-03	NA	NA	NA
1,2,4-Trimethylbenzene	1.02E+01	2.00E+01	1.58E+01	2.86E-01	7.15E-03	NA	NA	NA
1,3,5-Trimethylbenzene	1.02E+01	2.00E+01	1.18E+01	3.22E-01	7.15E-03	NA	NA	NA
Vinyl Chloride	1.02E+01	NA	NA	NA	7.15E-03	1.90E+00	5.69E-02	3.66E-03
Xylenes	1.02E+01	5.00E-01	1.64E-01	1.54E+01	7.15E-03	NA	NA	NA
m,p-Xylenes	1.02E+01	5.00E-01	1.64E-01	1.54E+01	7.15E-03	NA	NA	NA
o-Xylene	1.02E+01	5.00E-01	1.64E-01	1.54E+01	7.15E-03	NA	NA	NA
1,2-Dimethylbenzene	1.02E+01	5.00E-01	1.64E-01	1.54E+01	7.15E-03	NA	NA	NA
Semi-Volatile Organic Compounds								
Acenaphthene	1.02E+01	1.67E+01	2.00E+01	2.79E-01	7.15E-03	NA	NA	NA
Acenaphthylene	1.02E+01	1.67E+01	2.31E+01	2.57E-01	7.15E-03	NA	NA	NA
Anthracene	1.02E+01	3.33E+00	4.39E+00	1.32E+00	7.15E-03	NA	NA	NA
Benzo(a)anthracene	1.02E+01	NA	NA	NA	7.15E-03	7.30E-01	4.85E+00	1.28E-03
Benzo(b)fluoranthene	1.02E+01	NA	NA	NA	7.15E-03	7.30E-01	7.18E+00	9.04E-04
Benzo(k)fluoranthene	1.02E+01	NA	NA	NA	7.15E-03	7.30E-02	6.64E-01	9.70E-03
Benzo(g,h,i)perylene	1.02E+01	3.33E+01	4.43E+02	2.15E-02	7.15E-03	NA	NA	NA
Benzo(a)pyrene	1.02E+01	NA	NA	NA	7.15E-03	7.30E+00	7.18E+01	9.04E-05
Benzoic Acid	1.02E+01	2.50E-01	7.48E-03	3.97E+01	7.15E-03	NA	NA	NA
bis(2-Chloroethoxy)methane	1.02E+01	3.33E+02	9.75E-01	3.06E-02	7.15E-03	NA	NA	NA
bis(2-ethylhexyl)phthalate	1.02E+01	5.00E+01	1.35E+01	1.61E-01	7.15E-03	1.40E-02	3.79E-03	4.02E-01
4-Bromodiphenyl ether	1.02E+01	1.72E+01	4.28E+01	1.70E-01	7.15E-03	NA	NA	NA
Butyl benzyl phthalate	1.02E+01	5.00E+00	2.12E+00	1.44E+00	7.15E-03	NA	NA	NA
Carbazole	1.02E+01	NA	NA	NA	7.15E-03	2.00E-02	1.02E-02	2.37E-01
4-Chloroaniline	1.02E+01	2.50E+02	6.92E+00	3.98E-02	7.15E-03	NA	NA	NA
4-Chlorodiphenyl ether	1.02E+01	1.72E+01	1.20E+01	3.50E-01	7.15E-03	NA	NA	NA
4-Chloro-3-methylphenol	1.02E+01	2.00E+02	4.82E+01	4.12E-02	7.15E-03	NA	NA	NA
2-Chlorophenol	1.02E+01	2.00E+02	9.02E+00	4.89E-02	7.15E-03	NA	NA	NA
Chrysene	1.02E+01	NA	NA	NA	7.15E-03	7.30E-03	3.03E-02	1.90E-01
Dibenz(a,h)anthracene	1.02E+01	NA	NA	NA	7.15E-03	7.30E+00	1.01E+02	6.60E-05
Dibromochloromethane	1.02E+01	5.00E+01	8.88E-01	2.01E-01	7.15E-03	8.40E-02	1.49E-03	8.37E-02
3,3'-Dichlorobenzidine	1.02E+01	NA	NA	NA	7.15E-03	4.50E-01	3.49E-02	1.48E-02
2,4-Dichlorophenol	1.02E+01	3.33E+02	3.14E+01	2.80E-02	7.15E-03	NA	NA	NA
2,6-Dichlorophenol	1.02E+01	3.33E+02	2.36E+01	2.86E-02	7.15E-03	NA	NA	NA
Diethyl phthalate	1.02E+01	1.25E+00	4.92E-02	7.87E+00	7.15E-03	NA	NA	NA
2,4-Dimethylphenol	1.02E+01	5.00E+01	3.84E+00	1.90E-01	7.15E-03	NA	NA	NA
Dimethyl phthalate	1.02E+01	NA	NA	NA	7.15E-03	NA	NA	NA

Table 2-12

Groundwater - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
4,6-Dintro-2-methylphenol	1.02E+01	1.00E+04	6.36E+02	9.61E-04	7.15E-03	NA	NA	NA
2,4-Dinitrophenol	1.02E+01	5.00E+02	7.38E+00	2.01E-02	7.15E-03	NA	NA	NA
Di-n-butyl phthalate	1.02E+01	1.00E+01	1.50E+00	8.88E-01	7.15E-03	NA	NA	NA
Di-n-octyl phthalate	1.02E+01	5.00E+01	1.37E+04	7.46E-04	7.15E-03	NA	NA	NA
2,4-Dinitrotoluene	1.02E+01	5.00E+02	7.79E+00	2.01E-02	7.15E-03	6.80E-01	1.06E-02	1.04E-02
2,6-Dinitrotoluene	1.02E+01	1.00E+03	1.03E+01	1.01E-02	7.15E-03	6.80E-01	6.97E-03	1.04E-02
Fluoranthene	1.02E+01	2.50E+01	7.38E+01	1.03E-01	7.15E-03	NA	NA	NA
Fluorene	1.02E+01	2.50E+01	2.40E+01	2.09E-01	7.15E-03	NA	NA	NA
Hexachlorobenzene	1.02E+01	1.25E+03	1.20E+03	4.18E-03	7.15E-03	1.60E+00	1.53E+00	2.29E-03
Hexachlorobutadiene	1.02E+01	5.00E+03	2.73E+02	1.94E-03	7.15E-03	7.80E-02	4.26E-03	8.70E-02
Hexachlorocyclopentadiene	1.02E+01	1.43E+02	1.49E+02	3.50E-02	7.15E-03	NA	NA	NA
Hexachloroethane	1.02E+01	1.00E+03	1.91E+02	8.58E-03	7.15E-03	1.40E-02	2.68E-03	4.29E-01
Indeno(1,2,3-cd)pyrene	1.02E+01	NA	NA	NA	7.15E-03	7.30E-01	1.14E+01	5.91E-04
Isophorone	1.02E+01	5.00E+00	1.72E-01	1.98E+00	7.15E-03	9.50E-04	3.27E-05	7.28E+00
2-Methylnaphthalene	1.02E+01	5.00E+01	3.64E+01	1.18E-01	7.15E-03	NA	NA	NA
4-Methylnaphthalene	1.02E+01	5.00E+01	3.72E+01	1.17E-01	7.15E-03	NA	NA	NA
2-Methylphenol	1.02E+01	2.00E+01	9.65E-01	4.87E-01	7.15E-03	NA	NA	NA
4-Methylphenol	1.02E+01	2.00E+02	9.65E+00	4.87E-02	7.15E-03	NA	NA	NA
2-Nitroaniline	1.02E+01	3.33E+03	8.11E+01	2.99E-03	7.15E-03	NA	NA	NA
3-Nitroaniline	1.02E+01	3.33E+03	3.70E+01	3.03E-03	7.15E-03	NA	NA	NA
4-Nitroaniline	1.02E+01	3.33E+02	3.83E+00	3.03E-02	7.15E-03	NA	NA	NA
2-Nitrophenol	1.02E+01	1.25E+02	5.13E+00	7.85E-02	7.15E-03	NA	NA	NA
N-Nitrosodiphenylamine	1.02E+01	NA	NA	NA	7.15E-03	4.90E-03	3.94E-04	1.35E+00
N-Nitrosodi-n-propylamine	1.02E+01	NA	NA	NA	7.15E-03	7.00E+00	8.38E-01	9.13E-04
Pentachlorophenol	1.02E+01	3.33E+01	8.94E+01	8.33E-02	7.15E-03	1.20E-01	3.22E-01	1.62E-02
Phenanthrene	1.02E+01	3.33E+00	6.29E+00	1.06E+00	7.15E-03	NA	NA	NA
Phenol	1.02E+01	1.67E+00	3.96E-02	5.99E+00	7.15E-03	NA	NA	NA
Pyrene	1.02E+01	3.33E+01	5.54E+01	1.15E-01	7.15E-03	NA	NA	NA
2,4,5-Trichlorophenol	1.02E+01	1.00E+01	3.03E+00	7.84E-01	7.15E-03	NA	NA	NA
2,4,6-Trichlorophenol	1.02E+01	NA	NA	NA	7.15E-03	1.10E-02	2.51E-03	5.30E-01
Pesticides/PCBs (using SVOC equations)								
Aldrin	1.02E+01	3.33E+04	4.37E+02	3.03E-04	7.15E-03	1.70E+01	2.23E-01	4.15E-04
PCBs (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1016 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (water)	1.02E+01	1.43E+04	4.62E+04	1.69E-04	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1221 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1232 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1242 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1248 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1254 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (water)	1.02E+01	5.00E+04	1.62E+05	4.83E-05	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1260 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1262 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Aroclor 1268 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (water)	1.02E+01	NA	NA	NA	7.15E-03	2.00E+00	5.82E+00	9.15E-04
Azinphos-methyl	1.02E+01	1.11E+04	1.08E+02	9.11E-04	7.15E-03	NA	NA	NA
alpha-BHC	1.02E+01	NA	NA	NA	7.15E-03	6.30E+00	4.26E-01	1.06E-03
beta-BHC	1.02E+01	NA	NA	NA	7.15E-03	1.80E+00	1.36E-01	3.69E-03
gamma-BHC (Lindane)	1.02E+01	3.33E+03	1.91E+02	2.90E-03	7.15E-03	1.30E+00	7.46E-02	5.20E-03
delta-BHC	1.02E+01	3.33E+03	4.14E+02	2.73E-03	7.15E-03	NA	NA	NA
Bolstar	1.02E+01	4.00E+04	2.92E+04	1.48E-04	7.15E-03	NA	NA	NA
Chlordane	1.02E+01	2.00E+03	4.72E+02	4.14E-03	7.15E-03	3.50E-01	8.25E-02	1.65E-02
Chlorpyrifos	1.02E+01	3.33E+02	6.99E+01	2.53E-02	7.15E-03	NA	NA	NA
Coumaphos	1.02E+01	4.00E+04	1.82E+03	2.44E-04	7.15E-03	NA	NA	NA
Dalapon	1.02E+01	3.33E+01	1.73E-01	3.05E-01	7.15E-03	NA	NA	NA
DDD	1.02E+01	NA	NA	NA	7.15E-03	2.40E-01	3.06E-01	1.31E-02
4,4'-DDD	1.02E+01	NA	NA	NA	7.15E-03	2.40E-01	3.06E-01	1.31E-02
DDE	1.02E+01	NA	NA	NA	7.15E-03	3.40E-01	3.72E-01	1.01E-02
4,4'-DDE	1.02E+01	NA	NA	NA	7.15E-03	3.40E-01	3.72E-01	1.01E-02
DDT	1.02E+01	2.00E+03	3.92E+03	1.73E-03	7.15E-03	3.40E-01	6.66E-01	7.11E-03
4,4'-DDT	1.02E+01	2.00E+03	3.92E+03	1.73E-03	7.15E-03	3.40E-01	6.66E-01	7.11E-03

Table 2-12

Groundwater - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Demeton	1.02E+01	2.50E+04	NA	4.09E-04	7.15E-03	NA	NA	NA
Diazinon	1.02E+01	1.11E+03	4.05E+01	8.87E-03	7.15E-03	NA	NA	NA
Dieldrin	1.02E+01	2.00E+04	2.62E+03	4.52E-04	7.15E-03	1.60E+01	2.10E+00	3.95E-04
1,2-Dibromo-3-chloropropane (DBCP)	1.02E+01	NA	NA	NA	7.15E-03	1.40E+00	5.56E-02	4.91E-03
Dichlorvos	1.02E+01	2.00E+03	7.79E+00	5.09E-03	7.15E-03	2.90E-01	1.13E-03	2.46E-02
Dimethoate	1.02E+01	5.00E+03	5.58E+00	2.04E-03	7.15E-03	NA	NA	NA
Dinoseb	1.02E+01	1.00E+01	1.50E-01	1.01E+00	7.15E-03	NA	NA	NA
Disulfoton	1.02E+01	2.50E+04	3.19E+03	3.63E-04	7.15E-03	NA	NA	NA
Endosulfan	1.02E+01	1.67E+02	1.59E+00	6.07E-02	7.15E-03	NA	NA	NA
Endosulfan II	1.02E+01	1.67E+02	1.59E+00	6.07E-02	7.15E-03	NA	NA	NA
Endodulfan sulfate	1.02E+01	1.67E+02	1.59E+00	6.07E-02	7.15E-03	NA	NA	NA
Endrin	1.02E+01	3.33E+03	4.43E+02	2.71E-03	7.15E-03	NA	NA	NA
Endrin aldehyde	1.02E+01	3.33E+04	2.34E+04	1.80E-04	7.15E-03	NA	NA	NA
Endrin ketone	1.02E+01	3.33E+04	NA	3.07E-04	7.15E-03	NA	NA	NA
Ethoprop	1.02E+01	2.50E+05	2.47E+04	3.72E-05	7.15E-03	NA	NA	NA
Famphur	1.02E+01	4.00E+04	1.50E+02	2.55E-04	7.15E-03	NA	NA	NA
Fensulfothion	1.02E+01	4.00E+04	1.75E+02	2.54E-04	7.15E-03	NA	NA	NA
Fenthion	1.02E+01	4.00E+04	5.58E+03	2.24E-04	7.15E-03	NA	NA	NA
Heptachlor	1.02E+01	2.00E+03	1.09E+02	4.85E-03	7.15E-03	4.50E+00	2.45E-01	1.51E-03
Heptachlor Epoxide	1.02E+01	7.69E+04	2.08E+04	1.05E-04	7.15E-03	9.10E+00	2.46E+00	6.19E-04
Malathion	1.02E+01	5.00E+01	2.08E-01	2.04E-01	7.15E-03	NA	NA	NA
Merphos	1.02E+01	3.33E+04	1.22E+06	8.16E-06	7.15E-03	NA	NA	NA
Methoxychlor	1.02E+01	2.00E+02	2.00E+01	4.65E-02	7.15E-03	NA	NA	NA
Methyl parathion	1.02E+01	4.00E+03	9.24E+01	2.50E-03	7.15E-03	NA	NA	NA
Mevinphos	1.02E+01	4.00E+04	NA	2.56E-04	7.15E-03	NA	NA	NA
Naled	1.02E+01	5.00E+02	1.97E-01	2.04E-02	7.15E-03	NA	NA	NA
Parathion	1.02E+01	1.67E+02	1.27E+01	5.70E-02	7.15E-03	NA	NA	NA
Phorate	1.02E+01	5.00E+03	6.11E+02	1.82E-03	7.15E-03	NA	NA	NA
Ronnel	1.02E+01	2.00E+01	6.51E+00	3.85E-01	7.15E-03	NA	NA	NA
Stirophos	1.02E+01	3.33E+01	4.89E-01	3.02E-01	7.15E-03	NA	NA	NA
Sulfotep	1.02E+01	2.00E+03	1.28E+02	4.80E-03	7.15E-03	NA	NA	NA
Thionazin	1.02E+01	1.11E+04	NA	9.20E-04	7.15E-03	NA	NA	NA
Tokuthion	1.02E+01	2.00E+02	NA	5.11E-02	7.15E-03	NA	NA	NA
Toxaphene	1.02E+01	NA	NA	NA	7.15E-03	1.10E+00	7.52E-02	6.09E-03
Trichloronate	1.02E+01	2.00E+02	8.28E+01	3.61E-02	7.15E-03	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.02E+01	4.00E+05	NA	2.56E-05	7.15E-03	NA	NA	NA
Herbicides (using SVOC equations)								
2,4-D	1.02E+01	1.00E+02	3.46E+00	9.88E-02	7.15E-03	NA	NA	NA
2,4-DB	1.02E+01	1.25E+02	2.33E+00	8.03E-02	7.15E-03	NA	NA	NA
Dicamba	1.02E+01	3.33E+01	4.33E-01	3.03E-01	7.15E-03	NA	NA	NA
Dichloroprop	1.02E+01	1.25E+03	4.81E+01	7.87E-03	7.15E-03	NA	NA	NA
MCPA	1.02E+01	2.00E+03	2.96E+01	5.04E-03	7.15E-03	NA	NA	NA
MCPP	1.02E+01	1.00E+03	6.88E+01	9.56E-03	7.15E-03	NA	NA	NA
2,4,5-T	1.02E+01	1.00E+02	5.70E+00	9.67E-02	7.15E-03	NA	NA	NA
2,4,5-TP	1.02E+01	1.25E+02	1.23E+01	7.44E-02	7.15E-03	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)								
TCDD	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.02E+01	NA	NA	NA	7.15E-03	1.50E+05	9.57E+05	6.46E-09
TCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+03	9.57E+03	6.46E-07
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	7.15E-03	1.50E+03	9.57E+03	6.46E-07
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+03	9.57E+03	6.46E-07
1,2,3,4,7,8-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
1,2,3,6,7,8-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
2,3,4,6,7,8-Hexachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+04	9.57E+04	6.46E-08
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	7.15E-03	7.50E+04	4.78E+05	1.29E-08

Table 2-12

Groundwater - Construction Worker SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	7.50E+03	4.78E+04	1.29E-07
2,3,4,7,8-Pentachlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	7.50E+04	4.78E+05	1.29E-08
Octochlorodibenzofuran	1.02E+01	NA	NA	NA	7.15E-03	1.50E+02	9.57E+02	6.46E-06
Octochlorodibenzo-p-dioxin	1.02E+01	NA	NA	NA	7.15E-03	1.50E+02	9.57E+02	6.46E-06

Table 2-13

Surface Water- Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Inorganics								
Aluminum	1.58E+01	1.00E+00	2.96E-02	1.53E+01	1.11E-03	NA	NA	NA
Antimony	1.58E+01	2.50E+03	2.00E+02	5.85E-03	1.11E-03	NA	NA	NA
Arsenic	1.58E+01	3.33E+03	2.81E+01	4.70E-03	1.11E-03	1.50E+00	1.26E-02	7.31E-04
Barium	1.58E+01	1.43E+01	1.26E-01	1.10E+00	1.11E-03	NA	NA	NA
Beryllium	1.58E+01	5.00E+02	4.00E+02	1.75E-02	1.11E-03	NA	NA	NA
Cadmium (solid media)	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium (water)	1.58E+01	2.00E+03	3.20E+02	6.81E-03	1.11E-03	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.58E+01	6.67E-01	1.07E-01	2.04E+01	1.11E-03	NA	NA	NA
Chromium VI	1.58E+01	3.33E+02	5.33E+01	4.08E-02	1.11E-03	NA	NA	NA
Cobalt	1.58E+01	1.67E+01	2.96E-01	9.31E-01	1.11E-03	NA	NA	NA
Copper	1.58E+01	2.50E+01	3.33E-01	6.23E-01	1.11E-03	NA	NA	NA
Cyanide	1.58E+01	5.00E+01	NA	3.16E-01	1.11E-03	NA	NA	NA
Iron	1.58E+01	3.33E+00	2.67E-02	4.70E+00	1.11E-03	NA	NA	NA
Lead[b]	NA	NA	NA	1.50E-02	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.58E+01	2.13E+01	3.40E+00	6.40E-01	1.11E-03	NA	NA	NA
Mercury	1.58E+01	3.33E+03	3.81E+02	4.25E-03	1.11E-03	NA	NA	NA
Methyl mercury	NA	NA	NA	NA	NA	NA	NA	NA
Molybdenum	1.58E+01	2.00E+02	2.29E+00	7.81E-02	1.11E-03	NA	NA	NA
Nickel	1.58E+01	5.00E+01	1.00E+00	3.10E-01	1.11E-03	NA	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.58E+01	2.00E+02	2.00E+00	7.82E-02	1.11E-03	NA	NA	NA
Silver	1.58E+01	2.00E+02	NA	7.90E-02	1.11E-03	NA	NA	NA
Thallium	1.58E+01	1.54E+04	1.23E+02	1.02E-03	1.11E-03	NA	NA	NA
Vanadium	1.58E+01	1.43E+02	5.71E+01	7.90E-02	1.11E-03	NA	NA	NA
Zinc	1.58E+01	3.33E+00	6.40E-02	4.65E+00	1.11E-03	NA	NA	NA
Volatile Organic Compounds								
Acetone	1.58E+01	1.00E+01	5.67E-02	1.57E+00	1.11E-03	NA	NA	NA
Benzene	1.58E+01	3.33E+02	5.60E+01	4.06E-02	1.11E-03	2.90E-02	4.87E-03	3.26E-02
Bis(2-chloroethyl)ether	1.58E+01	NA	NA	NA	1.11E-03	1.10E+00	1.85E-02	9.88E-04
bis(2-Chloroisopropyl)ether	1.58E+01	2.50E+01	2.34E+00	5.78E-01	1.11E-03	7.00E-02	6.55E-03	1.44E-02
Bromobenzene	1.58E+01	5.00E+01	1.24E+01	2.53E-01	1.11E-03	NA	NA	NA
Bromochloromethane	1.58E+01	1.67E+01	4.13E-01	9.25E-01	1.11E-03	NA	NA	NA
Bromodichloromethane	1.58E+01	5.00E+01	2.58E+00	3.00E-01	1.11E-03	6.20E-02	3.20E-03	1.70E-02
Bromoform	1.58E+01	5.00E+01	1.16E+00	3.09E-01	1.11E-03	7.90E-03	1.83E-04	1.37E-01
Bromomethane	1.58E+01	7.14E+02	2.50E+01	2.14E-02	1.11E-03	NA	NA	NA
n-Butylbenzene	1.58E+01	1.00E+02	3.48E+02	3.53E-02	1.11E-03	NA	NA	NA
sec-Butylbenzene	1.58E+01	1.00E+02	2.63E+02	4.35E-02	1.11E-03	NA	NA	NA
tert-Butylbenzene	1.58E+01	1.00E+02	2.06E+02	5.16E-02	1.11E-03	NA	NA	NA
Carbon disulfide	1.58E+01	1.00E+01	2.13E+00	1.30E+00	1.11E-03	NA	NA	NA
Carbon tetrachloride	1.58E+01	1.43E+03	3.14E+02	9.06E-03	1.11E-03	1.30E-01	2.86E-02	6.97E-03
Chlorobenzene	1.58E+01	5.00E+01	1.64E+01	2.38E-01	1.11E-03	NA	NA	NA
Chloroethane	1.58E+01	2.50E+00	1.60E-01	5.94E+00	1.11E-03	2.90E-03	1.86E-04	3.58E-01
Chloroform	1.58E+01	1.00E+02	7.12E+00	1.47E-01	1.11E-03	6.10E-03	4.34E-04	1.69E-01
Chloromethane	1.58E+01	2.50E+02	8.40E+00	6.11E-02	1.11E-03	1.30E-02	4.37E-04	8.23E-02
2-Chloronaphthalene	1.58E+01	1.25E+01	1.50E+00	1.13E+00	1.11E-03	NA	NA	NA
m-Chlorotoluene	1.58E+01	5.00E+01	2.98E+01	1.98E-01	1.11E-03	NA	NA	NA
o-Chlorotoluene	1.58E+01	5.00E+01	2.98E+01	1.98E-01	1.11E-03	NA	NA	NA
p-Chlorotoluene	1.58E+01	5.00E+01	2.98E+01	1.98E-01	1.11E-03	NA	NA	NA
Cumene	1.58E+01	1.00E+01	1.24E+01	7.04E-01	1.11E-03	NA	NA	NA
Dibenzofuran	1.58E+01	2.50E+02	6.04E+02	1.85E-02	1.11E-03	NA	NA	NA

Table 2-13

Surface Water- Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
1,2-Dibromoethane	1.58E+01	NA	NA	NA	1.11E-03	8.50E+01	3.07E+00	1.26E-05
Dibromomethane	1.58E+01	1.00E+02	9.76E-01	1.56E-01	1.11E-03	NA	NA	NA
1,2-Dichlorobenzene	1.58E+01	1.11E+01	6.04E+00	9.21E-01	1.11E-03	NA	NA	NA
1,3-Dichlorobenzene	1.58E+01	1.11E+03	8.59E+02	8.02E-03	1.11E-03	NA	NA	NA
1,4-Dichlorobenzene	1.58E+01	3.33E+01	1.84E+01	3.05E-01	1.11E-03	2.40E-02	1.32E-02	2.97E-02
Dichlorodifluoromethane	1.58E+01	5.00E+00	6.00E-01	2.82E+00	1.11E-03	NA	NA	NA
1,1-Dichloroethane	1.58E+01	1.00E+01	7.12E-01	1.47E+00	1.11E-03	NA	NA	NA
1,2-Dichloroethane	1.58E+01	3.33E+01	1.41E+00	4.55E-01	1.11E-03	9.10E-02	3.86E-03	1.17E-02
1,1-Dichloroethene	1.58E+01	1.11E+02	1.42E+01	1.26E-01	1.11E-03	6.00E-01	7.68E-02	1.63E-03
2-Butanone	1.58E+01	1.67E+00	1.63E-02	9.38E+00	1.11E-03	NA	NA	NA
cis-1,2-Dichloroethene	1.58E+01	1.00E+02	6.10E+00	1.49E-01	1.11E-03	NA	NA	NA
trans-1,2-Dichloroethene	1.58E+01	5.00E+01	4.96E+00	2.87E-01	1.11E-03	NA	NA	NA
1,2-Dichloroethene	1.58E+01	1.11E+02	6.77E+00	1.34E-01	1.11E-03	NA	NA	NA
cis-1,3-Dichloropropene	1.58E+01	3.33E+03	3.35E+02	4.31E-03	1.11E-03	NA	NA	NA
trans-1,3-Dichloropropene	1.58E+01	3.33E+03	1.63E+02	4.52E-03	1.11E-03	1.80E-01	8.80E-03	5.86E-03
1,1-Dichloropropene	1.58E+01	3.33E+03	3.35E+02	4.31E-03	1.11E-03	NA	NA	NA
1,2-Dichloropropane	1.58E+01	NA	NA	NA	1.11E-03	6.80E-02	6.04E-03	1.49E-02
1,3-Dichloropropane	1.58E+01	NA	NA	NA	1.11E-03	NA	NA	NA
2,2-Dichloropropane	1.58E+01	NA	NA	NA	1.11E-03	NA	NA	NA
Ethylbenzene	1.58E+01	1.00E+01	6.43E+00	9.61E-01	1.11E-03	NA	NA	NA
2-Hexanone	1.58E+01	2.50E+01	9.91E-01	6.08E-01	1.11E-03	NA	NA	NA
Isopropylbenzene	1.58E+01	1.00E+01	1.24E+01	7.04E-01	1.11E-03	NA	NA	NA
Methyl Chloride	1.58E+01	2.50E+02	8.40E+00	6.11E-02	1.11E-03	1.30E-02	4.37E-04	8.23E-02
Methylene Chloride	1.58E+01	1.67E+01	6.00E-01	9.15E-01	1.11E-03	7.50E-03	2.70E-04	1.42E-01
Methyl Isobutyl Ketone	1.58E+01	1.25E+01	3.69E-01	1.23E+00	1.11E-03	NA	NA	NA
4-Methyl-2-Pentanone	1.58E+01	1.25E+01	3.69E-01	1.23E+00	1.11E-03	NA	NA	NA
n-Propylbenzene	1.58E+01	1.00E+02	1.11E+02	7.48E-02	1.11E-03	NA	NA	NA
Naphthalene	1.58E+01	5.00E+01	2.76E+01	2.04E-01	1.11E-03	NA	NA	NA
Nitrobenzene	1.58E+01	2.00E+03	1.08E+03	5.13E-03	1.11E-03	NA	NA	NA
4-Nitrophenol	1.58E+01	1.25E+02	7.63E+00	1.19E-01	1.11E-03	NA	NA	NA
o-Nitrotoluene	1.58E+01	1.00E+02	1.06E+01	1.43E-01	1.11E-03	NA	NA	NA
p-Nitrotoluene	1.58E+01	1.00E+02	1.19E+01	1.41E-01	1.11E-03	NA	NA	NA
p-Cymene	1.58E+01	5.00E+00	1.05E+01	1.02E+00	1.11E-03	NA	NA	NA
Styrene	1.58E+01	5.00E+00	2.20E+00	2.19E+00	1.11E-03	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.58E+01	3.33E+01	5.33E+00	4.08E-01	1.11E-03	2.60E-02	4.16E-03	3.67E-02
1,1,2,2-Tetrachloroethane	1.58E+01	1.67E+01	1.71E+00	8.59E-01	1.11E-03	2.00E-01	2.06E-02	5.01E-03
Tetrachloroethene	1.58E+01	1.00E+02	3.84E+01	1.14E-01	1.11E-03	5.20E-02	2.00E-02	1.54E-02
Toluene	1.58E+01	5.00E+00	1.80E+00	2.32E+00	1.11E-03	NA	NA	NA
1,2,3-Trichlorobenzene	1.58E+01	1.00E+03	9.96E+02	7.91E-03	1.11E-03	NA	NA	NA
1,2,4-Trichlorobenzene	1.58E+01	1.00E+02	8.87E+01	8.37E-02	1.11E-03	NA	NA	NA
1,3,5-Trichlorobenzene	1.58E+01	1.00E+03	1.25E+03	7.01E-03	1.11E-03	NA	NA	NA
1,1,1-Trichloroethane	1.58E+01	5.00E+00	6.80E-01	2.78E+00	1.11E-03	NA	NA	NA
1,1,2-Trichloroethane	1.58E+01	2.50E+02	1.68E+01	5.92E-02	1.11E-03	5.70E-02	3.83E-03	1.82E-02
Trichloroethene	1.58E+01	1.67E+02	2.37E+01	8.30E-02	1.11E-03	1.10E-02	1.56E-03	8.80E-02
Trichlorofluoromethane	1.58E+01	3.33E+00	5.67E-01	4.05E+00	1.11E-03	NA	NA	NA
1,2,3-Trichloropropane	1.58E+01	1.67E+02	1.64E+01	8.63E-02	1.11E-03	7.00E+00	6.88E-01	1.44E-04
1,2,3-Trimethylbenzene	1.58E+01	2.00E+01	2.58E+01	3.45E-01	1.11E-03	NA	NA	NA
1,2,4-Trimethylbenzene	1.58E+01	2.00E+01	3.08E+01	3.11E-01	1.11E-03	NA	NA	NA
1,3,5-Trimethylbenzene	1.58E+01	2.00E+01	2.30E+01	3.67E-01	1.11E-03	NA	NA	NA
Vinyl Chloride	1.58E+01	NA	NA	NA	1.11E-03	1.90E+00	1.11E-01	5.50E-04
Xylenes	1.58E+01	5.00E-01	3.20E-01	1.93E+01	1.11E-03	NA	NA	NA
m,p-Xylenes	1.58E+01	5.00E-01	3.20E-01	1.93E+01	1.11E-03	NA	NA	NA
o-Xylene	1.58E+01	5.00E-01	3.20E-01	1.93E+01	1.11E-03	NA	NA	NA
1,2-Dimethylbenzene	1.58E+01	5.00E-01	3.20E-01	1.93E+01	1.11E-03	NA	NA	NA

Semi-Volatile Organic Compounds

Table 2-13

Surface Water- Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Acenaphthene	1.58E+01	1.67E+01	3.89E+01	2.84E-01	1.11E-03	NA	NA	NA
Acenaphthylene	1.58E+01	1.67E+01	4.51E+01	2.56E-01	1.11E-03	NA	NA	NA
Anthracene	1.58E+01	3.33E+00	8.57E+00	1.33E+00	1.11E-03	NA	NA	NA
Benzo(a)anthracene	1.58E+01	NA	NA	NA	1.11E-03	7.30E-01	9.46E+00	1.08E-04
Benzo(b)fluoranthene	1.58E+01	NA	NA	NA	1.11E-03	7.30E-01	1.40E+01	7.50E-05
Benzo(k)fluoranthene	1.58E+01	NA	NA	NA	1.11E-03	7.30E-02	1.30E+00	8.07E-04
Benzo(g,h,l)perylene	1.58E+01	3.33E+01	8.64E+02	1.76E-02	1.11E-03	NA	NA	NA
Benzo(a)pyrene	1.58E+01	NA	NA	NA	1.11E-03	7.30E+00	1.40E+02	7.50E-06
Benzoic Acid	1.58E+01	2.50E-01	1.46E-02	5.97E+01	1.11E-03	NA	NA	NA
bis(2-Chloroethoxy)methane	1.58E+01	3.33E+02	1.90E+00	4.71E-02	1.11E-03	NA	NA	NA
bis(2-ethylhexyl)phthalate	1.58E+01	5.00E+01	2.64E+01	2.07E-01	1.11E-03	1.40E-02	7.39E-03	5.17E-02
4-Bromodiphenyl ether	1.58E+01	1.72E+01	8.36E+01	1.57E-01	1.11E-03	NA	NA	NA
Butyl benzyl phthalate	1.58E+01	5.00E+00	4.13E+00	1.73E+00	1.11E-03	NA	NA	NA
Carbazole	1.58E+01	NA	NA	NA	1.11E-03	2.00E-02	1.99E-02	2.77E-02
4-Chloroaniline	1.58E+01	2.50E+02	1.35E+01	5.99E-02	1.11E-03	NA	NA	NA
4-Chlorodiphenyl ether	1.58E+01	1.72E+01	2.34E+01	3.89E-01	1.11E-03	NA	NA	NA
4-Chloro-3-methylphenol	1.58E+01	2.00E+02	9.41E+01	5.37E-02	1.11E-03	NA	NA	NA
2-Chlorophenol	1.58E+01	2.00E+02	1.76E+01	7.26E-02	1.11E-03	NA	NA	NA
Chrysene	1.58E+01	NA	NA	NA	1.11E-03	7.30E-03	5.91E-02	1.66E-02
Dibenz(a,h)anthracene	1.58E+01	NA	NA	NA	1.11E-03	7.30E+00	1.97E+02	5.41E-06
Dibromochloromethane	1.58E+01	5.00E+01	1.73E+00	3.05E-01	1.11E-03	8.40E-02	2.91E-03	1.27E-02
3,3'-Dichlorobenzidine	1.58E+01	NA	NA	NA	1.11E-03	4.50E-01	6.80E-02	2.13E-03
2,4-Dichlorophenol	1.58E+01	3.33E+02	6.13E+01	4.00E-02	1.11E-03	NA	NA	NA
2,6-Dichlorophenol	1.58E+01	3.33E+02	4.61E+01	4.16E-02	1.11E-03	NA	NA	NA
Diethyl phthalate	1.58E+01	1.25E+00	9.60E-02	1.17E+01	1.11E-03	NA	NA	NA
2,4-Dimethylphenol	1.58E+01	5.00E+01	7.50E+00	2.75E-01	1.11E-03	NA	NA	NA
Dimethyl phthalate	1.58E+01	NA	NA	NA	1.11E-03	NA	NA	NA
4,6-Dintro-2-methylphenol	1.58E+01	1.00E+04	1.24E+03	1.41E-03	1.11E-03	NA	NA	NA
2,4-Dinitrophenol	1.58E+01	5.00E+02	1.44E+01	3.07E-02	1.11E-03	NA	NA	NA
Di-n-butyl phthalate	1.58E+01	1.00E+01	2.93E+00	1.22E+00	1.11E-03	NA	NA	NA
Di-n-octyl phthalate	1.58E+01	5.00E+01	2.66E+04	5.92E-04	1.11E-03	NA	NA	NA
2,4-Dinitrotoluene	1.58E+01	5.00E+02	1.52E+01	3.07E-02	1.11E-03	6.80E-01	2.07E-02	1.58E-03
2,6-Dinitrotoluene	1.58E+01	1.00E+03	2.00E+01	1.55E-02	1.11E-03	6.80E-01	1.36E-02	1.59E-03
Fluoranthene	1.58E+01	2.50E+01	1.44E+02	9.35E-02	1.11E-03	NA	NA	NA
Fluorene	1.58E+01	2.50E+01	4.68E+01	2.20E-01	1.11E-03	NA	NA	NA
Hexachlorobenzene	1.58E+01	1.25E+03	2.33E+03	4.41E-03	1.11E-03	1.60E+00	2.99E+00	2.41E-04
Hexachlorobutadiene	1.58E+01	5.00E+03	5.33E+02	2.85E-03	1.11E-03	7.80E-02	8.32E-03	1.28E-02
Hexachlorocyclopentadiene	1.58E+01	1.43E+02	2.90E+02	3.65E-02	1.11E-03	NA	NA	NA
Hexachloroethane	1.58E+01	1.00E+03	3.73E+02	1.15E-02	1.11E-03	1.40E-02	5.23E-03	5.75E-02
Indeno(1,2,3-cd)pyrene	1.58E+01	NA	NA	NA	1.11E-03	7.30E-01	2.22E+01	4.82E-05
Isophorone	1.58E+01	5.00E+00	3.36E-01	2.96E+00	1.11E-03	9.50E-04	6.38E-05	1.09E+00
2-Methylnaphthalene	1.58E+01	5.00E+01	7.10E+01	1.31E-01	1.11E-03	NA	NA	NA
4-Methylnaphthalene	1.58E+01	5.00E+01	7.25E+01	1.29E-01	1.11E-03	NA	NA	NA
2-Methylphenol	1.58E+01	2.00E+01	1.88E+00	7.22E-01	1.11E-03	NA	NA	NA
4-Methylphenol	1.58E+01	2.00E+02	1.88E+01	7.22E-02	1.11E-03	NA	NA	NA
2-Nitroaniline	1.58E+01	3.33E+03	1.58E+02	4.52E-03	1.11E-03	NA	NA	NA
3-Nitroaniline	1.58E+01	3.33E+03	7.21E+01	4.64E-03	1.11E-03	NA	NA	NA
4-Nitroaniline	1.58E+01	3.33E+02	7.47E+00	4.63E-02	1.11E-03	NA	NA	NA
2-Nitrophenol	1.58E+01	1.25E+02	1.00E+01	1.17E-01	1.11E-03	NA	NA	NA
N-Nitrosodiphenylamine	1.58E+01	NA	NA	NA	1.11E-03	4.90E-03	7.68E-04	1.95E-01
N-Nitrosodi-n-propylamine	1.58E+01	NA	NA	NA	1.11E-03	7.00E+00	1.64E+00	1.28E-04
Pentachlorophenol	1.58E+01	3.33E+01	1.74E+02	7.60E-02	1.11E-03	1.20E-01	6.28E-01	1.48E-03
Phenanthrene	1.58E+01	3.33E+00	1.23E+01	1.01E+00	1.11E-03	NA	NA	NA
Phenol	1.58E+01	1.67E+00	7.72E-02	9.06E+00	1.11E-03	NA	NA	NA
Pyrene	1.58E+01	3.33E+01	1.08E+02	1.12E-01	1.11E-03	NA	NA	NA
2,4,5-Trichlorophenol	1.58E+01	1.00E+01	5.91E+00	9.93E-01	1.11E-03	NA	NA	NA

Table 2-13

Surface Water- Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
2,4,6-Trichlorophenol	1.58E+01	NA	NA	NA	1.11E-03	1.10E-02	4.89E-03	6.96E-02
Pesticides/PCBs (using SVOC equations)								
Aldrin	1.58E+01	3.33E+04	8.53E+02	4.62E-04	1.11E-03	1.70E+01	4.35E-01	6.34E-05
PCBs (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
PCBs (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1016 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1016 (water)	1.58E+01	1.43E+04	9.02E+04	1.51E-04	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1221 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1232 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1242 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1248 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1254 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (water)	1.58E+01	5.00E+04	3.16E+05	4.32E-05	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1260 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1262 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Aroclor 1268 (solid media, food chain)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (water)	1.58E+01	NA	NA	NA	1.11E-03	2.00E+00	1.14E+01	8.27E-05
Azinphos-methyl	1.58E+01	1.11E+04	2.10E+02	1.40E-03	1.11E-03	NA	NA	NA
alpha-BHC	1.58E+01	NA	NA	NA	1.11E-03	6.30E+00	8.31E-01	1.55E-04
beta-BHC	1.58E+01	NA	NA	NA	1.11E-03	1.80E+00	2.66E-01	5.35E-04
gamma-BHC (Lindane)	1.58E+01	3.33E+03	3.73E+02	4.26E-03	1.11E-03	1.30E+00	1.46E-01	7.65E-04
delta-BHC	1.58E+01	3.33E+03	8.09E+02	3.81E-03	1.11E-03	NA	NA	NA
Bolstar	1.58E+01	4.00E+04	5.69E+04	1.63E-04	1.11E-03	NA	NA	NA
Chlordane	1.58E+01	2.00E+03	9.20E+02	5.41E-03	1.11E-03	3.50E-01	1.61E-01	2.16E-03
Chlorpyrifos	1.58E+01	3.33E+02	1.36E+02	3.36E-02	1.11E-03	NA	NA	NA
Coumaphos	1.58E+01	4.00E+04	3.55E+03	3.63E-04	1.11E-03	NA	NA	NA
Dalapon	1.58E+01	3.33E+01	3.38E-01	4.69E-01	1.11E-03	NA	NA	NA
DDD	1.58E+01	NA	NA	NA	1.11E-03	2.40E-01	5.97E-01	1.32E-03
4,4'-DDD	1.58E+01	NA	NA	NA	1.11E-03	2.40E-01	5.97E-01	1.32E-03
DDE	1.58E+01	NA	NA	NA	1.11E-03	3.40E-01	7.25E-01	1.04E-03
4,4'-DDE	1.58E+01	NA	NA	NA	1.11E-03	3.40E-01	7.25E-01	1.04E-03
DDT	1.58E+01	2.00E+03	7.64E+03	1.64E-03	1.11E-03	3.40E-01	1.30E+00	6.74E-04
4,4'-DDT	1.58E+01	2.00E+03	7.64E+03	1.64E-03	1.11E-03	3.40E-01	1.30E+00	6.74E-04
Demeton	1.58E+01	2.50E+04	NA	6.32E-04	1.11E-03	NA	NA	NA
Diazinon	1.58E+01	1.11E+03	7.90E+01	1.33E-02	1.11E-03	NA	NA	NA
Dieldrin	1.58E+01	2.00E+04	5.12E+03	6.29E-04	1.11E-03	1.60E+01	4.10E+00	5.50E-05
1,2-Dibromo-3-chloropropane (DBCP)	1.58E+01	NA	NA	NA	1.11E-03	1.40E+00	1.08E-01	7.33E-04
Dichlorvos	1.58E+01	2.00E+03	1.52E+01	7.84E-03	1.11E-03	2.90E-01	2.20E-03	3.78E-03
Dimethoate	1.58E+01	5.00E+03	1.09E+01	3.15E-03	1.11E-03	NA	NA	NA
Dinoseb	1.58E+01	1.00E+01	2.92E-01	1.53E+00	1.11E-03	NA	NA	NA
Disulfoton	1.58E+01	2.50E+04	6.22E+03	5.06E-04	1.11E-03	NA	NA	NA
Endosulfan	1.58E+01	1.67E+02	3.10E+00	9.30E-02	1.11E-03	NA	NA	NA
Endosulfan II	1.58E+01	1.67E+02	3.10E+00	9.30E-02	1.11E-03	NA	NA	NA
Endodulfan sulfate	1.58E+01	1.67E+02	3.10E+00	9.30E-02	1.11E-03	NA	NA	NA
Endrin	1.58E+01	3.33E+03	8.64E+02	3.76E-03	1.11E-03	NA	NA	NA
Endrin aldehyde	1.58E+01	3.33E+04	4.57E+04	2.00E-04	1.11E-03	NA	NA	NA
Endrin ketone	1.58E+01	3.33E+04	NA	4.74E-04	1.11E-03	NA	NA	NA
Ethoprop	1.58E+01	2.50E+05	4.82E+04	5.30E-05	1.11E-03	NA	NA	NA
Famphur	1.58E+01	4.00E+04	2.92E+02	3.92E-04	1.11E-03	NA	NA	NA

Table 2-13

Surface Water- Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Fensulfothion	1.58E+01	4.00E+04	3.41E+02	3.91E-04	1.11E-03	NA	NA	NA
Fenthion	1.58E+01	4.00E+04	1.09E+04	3.10E-04	1.11E-03	NA	NA	NA
Heptachlor	1.58E+01	2.00E+03	2.12E+02	7.14E-03	1.11E-03	4.50E+00	4.77E-01	2.22E-04
Heptachlor Epoxide	1.58E+01	7.69E+04	4.06E+04	1.34E-04	1.11E-03	9.10E+00	4.81E+00	7.95E-05
Malathion	1.58E+01	5.00E+01	4.06E-01	3.13E-01	1.11E-03	NA	NA	NA
Merphos	1.58E+01	3.33E+04	2.38E+06	6.55E-06	1.11E-03	NA	NA	NA
Methoxychlor	1.58E+01	2.00E+02	3.90E+01	6.61E-02	1.11E-03	NA	NA	NA
Methyl parathion	1.58E+01	4.00E+03	1.80E+02	3.78E-03	1.11E-03	NA	NA	NA
Mevinphos	1.58E+01	4.00E+04	NA	3.95E-04	1.11E-03	NA	NA	NA
Naled	1.58E+01	5.00E+02	3.84E-01	3.16E-02	1.11E-03	NA	NA	NA
Parathion	1.58E+01	1.67E+02	2.47E+01	8.25E-02	1.11E-03	NA	NA	NA
Phorate	1.58E+01	5.00E+03	1.19E+03	2.55E-03	1.11E-03	NA	NA	NA
Ronnel	1.58E+01	2.00E+01	1.27E+01	4.83E-01	1.11E-03	NA	NA	NA
Stirophos	1.58E+01	3.33E+01	9.55E-01	4.61E-01	1.11E-03	NA	NA	NA
Sulfotep	1.58E+01	2.00E+03	2.49E+02	7.02E-03	1.11E-03	NA	NA	NA
Thionazin	1.58E+01	1.11E+04	NA	1.42E-03	1.11E-03	NA	NA	NA
Tokuthion	1.58E+01	2.00E+02	NA	7.90E-02	1.11E-03	NA	NA	NA
Toxaphene	1.58E+01	NA	NA	NA	1.11E-03	1.10E+00	1.47E-01	8.87E-04
Trichloronate	1.58E+01	2.00E+02	1.62E+02	4.37E-02	1.11E-03	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.58E+01	4.00E+05	NA	3.95E-05	1.11E-03	NA	NA	NA
Herbicides (using SVOC equations)								
2,4-D	1.58E+01	1.00E+02	6.76E+00	1.48E-01	1.11E-03	NA	NA	NA
2,4-DB	1.58E+01	1.25E+02	4.54E+00	1.22E-01	1.11E-03	NA	NA	NA
Dicamba	1.58E+01	3.33E+01	8.45E-01	4.62E-01	1.11E-03	NA	NA	NA
Dichloroprop	1.58E+01	1.25E+03	9.39E+01	1.18E-02	1.11E-03	NA	NA	NA
MCPA	1.58E+01	2.00E+03	5.78E+01	7.67E-03	1.11E-03	NA	NA	NA
MCPP	1.58E+01	1.00E+03	1.34E+02	1.39E-02	1.11E-03	NA	NA	NA
2,4,5-T	1.58E+01	1.00E+02	1.11E+01	1.42E-01	1.11E-03	NA	NA	NA
2,4,5-TP	1.58E+01	1.25E+02	2.40E+01	1.06E-01	1.11E-03	NA	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)								
TCDD	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.58E+01	NA	NA	NA	1.11E-03	1.50E+05	1.87E+06	5.48E-10
TCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+03	1.87E+04	5.48E-08
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.58E+01	NA	NA	NA	1.11E-03	1.50E+03	1.87E+04	5.48E-08
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+03	1.87E+04	5.48E-08
1,2,3,4,7,8-Hexachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
1,2,3,6,7,8-Hexachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
2,3,4,6,7,8-Hexachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+04	1.87E+05	5.48E-09
PeCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.58E+01	NA	NA	NA	1.11E-03	7.50E+04	9.33E+05	1.10E-09
PeCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	7.50E+03	9.33E+04	1.10E-08
2,3,4,7,8-Pentachlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	7.50E+04	9.33E+05	1.10E-09

Table 2-13

Surface Water- Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral	Dermal	SSSL (mg/L)	Numerator	Oral	Dermal	SSSL (mg/L)
Octochlorodibenzofuran	1.58E+01	NA	NA	NA	1.11E-03	1.50E+02	1.87E+03	5.48E-07
Octochlorodibenzo-p-dioxin	1.58E+01	NA	NA	NA	1.11E-03	1.50E+02	1.87E+03	5.48E-07
Chemical Agent Breakdown (using SVOC equations)								
p-Chlorophenylmethylsulfone	1.58E+01	2.00E+03	NA	7.90E-03	1.11E-03	NA	NA	NA
p-Chlorophenylmethylsulfoxide	1.58E+01	2.00E+03	NA	7.90E-03	1.11E-03	NA	NA	NA
1,4-Dithiane	1.58E+01	1.00E+02	3.20E-01	1.57E-01	1.11E-03	NA	NA	NA
1,4-Oxathiane	1.58E+01	1.00E+03	3.20E+00	1.57E-02	1.11E-03	NA	NA	NA
Thiodiglycol	1.58E+01	2.50E+01	3.56E-02	6.31E-01	1.11E-03	NA	NA	NA
Diisopropylmethylphosphonic Acid	1.58E+01	1.25E+01	9.08E-02	1.25E+00	1.11E-03	NA	NA	NA
Dimethylmethylphosphonic Acid	1.58E+01	1.25E+01	2.00E-01	1.24E+00	1.11E-03	NA	NA	NA
Ethylmethylphosphonic Acid	1.58E+01	1.25E+01	2.00E-01	1.24E+00	1.11E-03	NA	NA	NA
Isopropylmethylphosphonic Acid	1.58E+01	1.00E+01	1.32E-01	1.56E+00	1.11E-03	NA	NA	NA
Methylphosphonic Acid	1.58E+01	1.25E+01	2.96E-01	1.23E+00	1.11E-03	NA	NA	NA
Explosives (using SVOC equations)								
2-Amino-4,6-dinitrotoluene	1.58E+01	1.67E+04	2.38E+02	9.34E-04	1.11E-03	NA	NA	NA
4-Amino-2,6-dinitrotoluene	1.58E+01	1.67E+04	2.38E+02	9.34E-04	1.11E-03	NA	NA	NA
1,3-Dinitrobenzene	1.58E+01	1.00E+04	2.05E+02	1.55E-03	1.11E-03	NA	NA	NA
2,4-Dinitrotoluene	1.58E+01	5.00E+02	1.52E+01	3.07E-02	1.11E-03	6.80E-01	2.07E-02	1.58E-03
2,6-Dinitrotoluene	1.58E+01	1.00E+03	2.00E+01	1.55E-02	1.11E-03	6.80E-01	1.36E-02	1.59E-03
HMX	1.58E+01	2.00E+01	4.12E-02	7.88E-01	1.11E-03	NA	NA	NA
RDX	1.58E+01	3.33E+02	9.77E-01	4.72E-02	1.11E-03	1.00E-01	2.93E-04	1.10E-02
Tetryl	1.58E+01	1.00E+02	8.43E-01	1.57E-01	1.11E-03	NA	NA	NA
1,3,5-Trinitrobenzene	1.58E+01	3.33E+01	2.92E-01	4.70E-01	1.11E-03	NA	NA	NA
2,4,6-Trinitrotoluene	1.58E+01	2.00E+03	2.85E+01	7.79E-03	1.11E-03	3.00E-02	4.28E-04	3.63E-02

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-Specific Screening Level
mg/L = Milligrams per liter
NA = Not applicable

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/L)	Numerator	Oral	SSSL (mg/L)
Inorganics						
Aluminum	1.56E+03	NA	NA	7.30E-02	NA	NA
Antimony	1.56E+03	3.50E+04	4.47E-02	7.30E-02	NA	NA
Arsenic	1.56E+03	2.05E+06	7.62E-04	7.30E-02	1.23E+03	5.95E-05
Barium	1.56E+03	NA	NA	7.30E-02	NA	NA
Beryllium	1.56E+03	1.33E+05	1.18E-02	7.30E-02	NA	NA
Cadmium (solid media)	1.56E+03	1.13E+06	1.38E-03	7.30E-02	NA	NA
Cadmium (water)[a]	NA	NA	NA	NA	NA	NA
Calcium[b]	NA	NA	NA	NA	NA	NA
Chromium III	1.56E+03	1.49E+02	1.05E+01	7.30E-02	NA	NA
Chromium VI	1.56E+03	7.47E+04	2.10E-02	7.30E-02	NA	NA
Cobalt	1.56E+03	NA	NA	7.30E-02	NA	NA
Copper	1.56E+03	7.00E+04	2.23E-02	7.30E-02	NA	NA
Cyanide	1.56E+03	NA	NA	7.30E-02	NA	NA
Iron	1.56E+03	NA	NA	7.30E-02	NA	NA
Lead[c]	NA	NA	1.50E-02	NA	NA	NA
Magnesium[b]	NA	NA	NA	NA	NA	NA
Manganese	1.56E+03	NA	NA	7.30E-02	NA	NA
Mercury	NA	NA	NA	NA	NA	NA
Methyl Mercury[d]	1.56E+03	7.70E+08	2.03E-06	7.30E-02	NA	NA
Molybdenum	1.56E+03	NA	NA	7.30E-02	NA	NA
Nickel	1.56E+03	3.29E+04	4.75E-02	7.30E-02	NA	NA
Potassium[b]	NA	NA	NA	NA	NA	NA
Sodium[b]	NA	NA	NA	NA	NA	NA
Selenium	1.56E+03	4.48E+04	3.49E-02	7.30E-02	NA	NA
Silver	1.56E+03	8.62E+06	1.81E-04	7.30E-02	NA	NA
Thallium	1.56E+03	NA	NA	7.30E-02	NA	NA
Vanadium	1.56E+03	NA	NA	7.30E-02	NA	NA
Zinc	1.56E+03	2.19E+03	7.13E-01	7.30E-02	NA	NA
Volatile Organic Compounds						
Acetone	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Bis(2-chloroethyl)ether	1.56E+03	NA	NA	7.30E-02	NA	NA
bis(2-Chloroisopropyl)ether	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromochloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromodichloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromoform	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromomethane	1.56E+03	NA	NA	7.30E-02	NA	NA
n-Butylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
sec-Butylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
tert-Butylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Carbon disulfide	1.56E+03	NA	NA	7.30E-02	NA	NA
Carbon tetrachloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Chlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Chloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/L)	Numerator	Oral	SSSL (mg/L)
Chloroform	1.56E+03	NA	NA	7.30E-02	NA	NA
Chloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Chloronaphthalene	1.56E+03	NA	NA	7.30E-02	NA	NA
m-Chlorotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
o-Chlorotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Chlorotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
Cumene	1.56E+03	NA	NA	7.30E-02	NA	NA
Dibenzofuran	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dibromoethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Dibromomethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3-Dichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,4-Dichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Dichlorodifluoromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1-Dichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Butanone	1.56E+03	NA	NA	7.30E-02	NA	NA
cis-1,2-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
trans-1,2-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1-Dichloropropene	1.56E+03	NA	NA	7.30E-02	NA	NA
cis-1,3-Dichloropropene	1.56E+03	NA	NA	7.30E-02	NA	NA
trans-1,3-Dichloropropene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3-Dichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
2,2-Dichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
Ethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Hexanone	1.56E+03	NA	NA	7.30E-02	NA	NA
Isopropylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Methyl Chloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Methylene Chloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Methyl Isobutyl Ketone	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Methyl-2-Pentanone	1.56E+03	NA	NA	7.30E-02	NA	NA
n-Propylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Naphthalene	1.56E+03	NA	NA	7.30E-02	NA	NA
Nitrobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Nitrophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
o-Nitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Nitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Cymene	1.56E+03	NA	NA	7.30E-02	NA	NA
Styrene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,1,2-Tetrachloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,2,2-Tetrachloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Tetrachloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
Toluene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,3-Trichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,4-Trichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/L)	Numerator	Oral	SSSL (mg/L)
1,3,5-Trichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,1-Trichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,2-Trichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Trichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
Trichlorofluoromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,3-Trichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,3-Trimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,4-Trimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3,5-Trimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Vinyl Chloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Xylenes	1.56E+03	NA	NA	7.30E-02	NA	NA
m,p-Xylenes	1.56E+03	NA	NA	7.30E-02	NA	NA
o-Xylene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Semi-Volatile Organic Compounds						
Acenaphthene	1.56E+03	1.58E+05	9.91E-03	7.30E-02	NA	NA
Acenaphthylene	1.56E+03	1.90E+05	8.23E-03	7.30E-02	NA	NA
Anthracene	1.56E+03	8.24E+04	1.90E-02	7.30E-02	NA	NA
Benzo(a)anthracene	1.56E+03	NA	NA	7.30E-02	1.83E+05	3.98E-07
Benzo(b)fluoranthene	1.56E+03	NA	NA	7.30E-02	2.31E+05	3.16E-07
Benzo(k)fluoranthene	1.56E+03	NA	NA	7.30E-02	2.30E+04	3.17E-06
Benzo(g,h,I)perylene	1.56E+03	6.42E+06	2.44E-04	7.30E-02	NA	NA
Benzo(a)pyrene	1.56E+03	NA	NA	7.30E-02	2.30E+06	3.18E-08
Benzoic Acid	1.56E+03	2.88E+01	5.43E+01	7.30E-02	NA	NA
bis(2-Chloroethoxy)methane	1.56E+03	3.68E+03	4.25E-01	7.30E-02	NA	NA
bis(2-ethylhexyl)phthalate	1.56E+03	4.33E+06	3.61E-04	7.30E-02	1.61E+03	4.53E-05
4-Bromodiphenyl ether	1.56E+03	1.86E+06	8.43E-04	7.30E-02	NA	NA
Butyl benzyl phthalate	1.56E+03	1.14E+05	1.37E-02	7.30E-02	NA	NA
Carbazole	1.56E+03	NA	NA	7.30E-02	1.07E+02	6.80E-04
4-Chloroaniline	1.56E+03	2.88E+04	5.43E-02	7.30E-02	NA	NA
4-Chlorodiphenyl ether	1.56E+03	2.01E+05	7.80E-03	7.30E-02	NA	NA
4-Chloro-3-methylphenol	1.56E+03	3.03E+05	5.16E-03	7.30E-02	NA	NA
2-Chlorophenol	1.56E+03	4.23E+04	3.70E-02	7.30E-02	NA	NA
Chrysene	1.56E+03	NA	NA	7.30E-02	1.83E+03	3.98E-05
Dibenz(a,h)anthracene	1.56E+03	NA	NA	7.30E-02	1.18E+06	6.21E-08
Dibromochloromethane	1.56E+03	1.23E+04	1.28E-01	7.30E-02	2.74E+01	2.67E-03
3,3'-Dichlorobenzidine	1.56E+03	NA	NA	7.30E-02	2.13E+03	3.42E-05
2,4-Dichlorophenol	1.56E+03	3.47E+05	4.51E-03	7.30E-02	NA	NA
2,6-Dichlorophenol	1.56E+03	2.43E+05	6.44E-03	7.30E-02	NA	NA
Diethyl phthalate	1.56E+03	5.06E+02	3.09E+00	7.30E-02	NA	NA
2,4-Dimethylphenol	1.56E+03	1.42E+04	1.10E-01	7.30E-02	NA	NA
Dimethyl phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
4,6-Dintro-2-methylphenol	1.56E+03	4.89E+06	3.20E-04	7.30E-02	NA	NA
2,4-Dinitrophenol	1.56E+03	2.89E+04	5.42E-02	7.30E-02	NA	NA
Di-n-butyl phthalate	1.56E+03	1.29E+05	1.21E-02	7.30E-02	NA	NA
Di-n-octyl phthalate	1.56E+03	1.97E+04	7.95E-02	7.30E-02	NA	NA
2,4-Dinitrotoluene	1.56E+03	7.26E+04	2.16E-02	7.30E-02	1.31E+02	5.57E-04

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/L)	Numerator	Oral	SSSL (mg/L)
2,6-Dinitrotoluene	1.56E+03	8.42E+04	1.86E-02	7.30E-02	7.61E+01	9.60E-04
Fluoranthene	1.56E+03	1.63E+06	9.61E-04	7.30E-02	NA	NA
Fluorene	1.56E+03	3.57E+05	4.38E-03	7.30E-02	NA	NA
Hexachlorobenzene	1.56E+03	1.50E+08	1.04E-05	7.30E-02	2.55E+05	2.86E-07
Hexachlorobutadiene	1.56E+03	2.37E+08	6.61E-06	7.30E-02	4.90E+03	1.49E-05
Hexachlorocyclopentadiene	1.56E+03	8.64E+06	1.81E-04	7.30E-02	NA	NA
Hexachloroethane	1.56E+03	8.54E+06	1.83E-04	7.30E-02	1.59E+02	4.60E-04
Indeno(1,2,3-cd)pyrene	1.56E+03	NA	NA	7.30E-02	1.71E+05	4.27E-07
Isophorone	1.56E+03	4.04E+02	3.87E+00	7.30E-02	1.02E-01	7.16E-01
2-Methylnaphthalene	1.56E+03	3.69E+05	4.24E-03	7.30E-02	NA	NA
4-Methylnaphthalene	1.56E+03	3.77E+05	4.15E-03	7.30E-02	NA	NA
2-Methylphenol	1.56E+03	2.73E+03	5.74E-01	7.30E-02	NA	NA
4-Methylphenol	1.56E+03	2.67E+04	5.86E-02	7.30E-02	NA	NA
2-Nitroaniline	1.56E+03	3.69E+05	4.24E-03	7.30E-02	NA	NA
3-Nitroaniline	1.56E+03	1.35E+05	1.16E-02	7.30E-02	NA	NA
4-Nitroaniline	1.56E+03	1.41E+04	1.11E-01	7.30E-02	NA	NA
2-Nitrophenol	1.56E+03	1.57E+04	9.98E-02	7.30E-02	NA	NA
N-Nitrosodiphenylamine	1.56E+03	NA	NA	7.30E-02	1.05E+01	6.95E-
N-Nitrosodi-n-propylamine	1.56E+03	NA	NA	7.30E-02	3.84E+02	1.90E-
Pentachlorophenol	1.56E+03	7.40E+06	2.11E-04	7.30E-02	3.54E+04	2.06E-06
Phenanthrene	1.56E+03	1.05E+05	1.49E-02	7.30E-02	NA	NA
Phenol	1.56E+03	8.14E+01	1.92E+01	7.30E-02	NA	NA
Pyrene	1.56E+03	1.91E+06	8.21E-04	7.30E-02	NA	NA
2,4,5-Trichlorophenol	1.56E+03	7.54E+04	2.07E-02	7.30E-02	NA	NA
2,4,6-Trichlorophenol	1.56E+03	NA	NA	7.30E-02	7.58E+01	9.62E-04
Pesticides/PCBs (using SVOC equations)						
Aldrin	1.56E+03	4.18E+07	3.74E-05	7.30E-02	2.83E+04	2.58E-06
PCBs (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	3.89E+05	1.88E-07
PCBs (water)	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	1.56E+03	2.53E+09	6.18E-07	7.30E-02	4.71E+05	1.55E-07
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.08E+05	6.77E-07
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	2.26E+05	3.23E-07
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	4.71E+05	1.55E-07
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	6.23E+05	1.17E-07
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	1.56E+03	9.63E+09	1.62E-07	7.30E-02	5.12E+05	1.43E-07
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	3.44E+05	2.12E-07
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	NA	NA
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	NA	NA
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/L)	Numerator	Oral	SSSL (mg/L)
Azinphos-methyl	1.56E+03	7.60E+06	2.06E-04	7.30E-02	NA	NA
alpha-BHC	1.56E+03	NA	NA	7.30E-02	5.46E+04	1.34E-06
beta-BHC	1.56E+03	NA	NA	7.30E-02	1.66E+04	4.40E-06
gamma-BHC (Lindane)	1.56E+03	1.84E+07	8.50E-05	7.30E-02	9.54E+03	7.65E-06
delta-BHC	1.56E+03	4.39E+07	3.56E-05	7.30E-02	NA	NA
Bolstar	1.56E+03	6.13E+09	2.55E-07	7.30E-02	NA	NA
Chlordane	1.56E+03	3.31E+08	4.73E-06	7.30E-02	7.69E+04	9.50E-07
Chlorpyrifos	1.56E+03	2.21E+07	7.08E-05	7.30E-02	NA	NA
Coumaphos	1.56E+03	5.16E+08	3.03E-06	7.30E-02	NA	NA
Dalapon	1.56E+03	3.75E+02	4.17E+00	7.30E-02	NA	NA
DDD	1.56E+03	NA	NA	7.30E-02	6.81E+04	1.07E-06
4,4'-DDD	1.56E+03	NA	NA	7.30E-02	6.81E+04	1.07E-06
DDE	1.56E+03	NA	NA	7.30E-02	8.79E+04	8.30E-07
4,4'-DDE	1.56E+03	NA	NA	7.30E-02	8.79E+04	8.30E-07
DDT	1.56E+03	4.34E+08	3.60E-06	7.30E-02	9.81E+04	7.44E-07
4,4'-DDT	1.56E+03	4.34E+08	3.60E-06	7.30E-02	9.81E+04	7.44E-07
Demeton	1.56E+03	NA	NA	7.30E-02	NA	NA
azinon	1.56E+03	3.29E+06	4.76E-04	7.30E-02	NA	NA
ldrin	1.56E+03	6.16E+08	2.54E-06	7.30E-02	6.55E+05	1.11E-07
1,2-Dibromo-3-chloropropane (DBCP)	1.56E+03	NA	NA	7.30E-02	2.10E+03	3.47E-05
Dichlorvos	1.56E+03	9.97E+04	1.57E-02	7.30E-02	1.92E+01	3.80E-03
Dimethoate	1.56E+03	5.87E+04	2.66E-02	7.30E-02	NA	NA
Dinoseb	1.56E+03	2.78E+03	5.63E-01	7.30E-02	NA	NA
Disulfoton	1.56E+03	2.57E+08	6.08E-06	7.30E-02	NA	NA
Endosulfan	1.56E+03	5.58E+05	2.80E-03	7.30E-02	NA	NA
Endosulfan II	1.56E+03	5.58E+05	2.80E-03	7.30E-02	NA	NA
Endodulfan sulfate	1.56E+03	5.58E+05	2.80E-03	7.30E-02	NA	NA
Endrin	1.56E+03	1.03E+08	1.52E-05	7.30E-02	NA	NA
Endrin aldehyde	1.56E+03	5.91E+09	2.65E-07	7.30E-02	NA	NA
Endrin ketone	1.56E+03	NA	NA	7.30E-02	NA	NA
Ethoprop	1.56E+03	1.05E+09	1.48E-06	7.30E-02	NA	NA
Famphur	1.56E+03	1.09E+07	1.44E-04	7.30E-02	NA	NA
Fensulfothion	1.56E+03	9.80E+06	1.60E-04	7.30E-02	NA	NA
Fenthion	1.56E+03	4.75E+08	3.29E-06	7.30E-02	NA	NA
Heptachlor	1.56E+03	3.44E+07	4.55E-05	7.30E-02	1.03E+05	7.11E-07
Heptchlor Epoxide	1.56E+03	1.06E+10	1.48E-07	7.30E-02	1.66E+06	4.40E-08
Malathion	1.56E+03	1.61E+04	9.72E-02	7.30E-02	NA	NA
Merphos	1.56E+03	7.25E+08	2.16E-06	7.30E-02	NA	NA
Methoxychlor	1.56E+03	5.80E+06	2.70E-04	7.30E-02	NA	NA
Methyl parathion	1.56E+03	3.67E+06	4.27E-04	7.30E-02	NA	NA
Mevinphos	1.56E+03	NA	NA	7.30E-02	NA	NA
Naled	1.56E+03	2.06E+04	7.58E-02	7.30E-02	NA	NA
Parathion	1.56E+03	1.16E+06	1.35E-03	7.30E-02	NA	NA
orate	1.56E+03	4.18E+07	3.74E-05	7.30E-02	NA	NA
onnel	1.56E+03	1.38E+06	1.14E-03	7.30E-02	NA	NA
Stirophos	1.56E+03	1.24E+05	1.26E-02	7.30E-02	NA	NA
Sulfotep	1.56E+03	1.93E+07	8.09E-05	7.30E-02	NA	NA
Thionazin	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

Chemical	Noncancer Numerator	Noncancer Oral	Noncancer SSSL (mg/L)	Cancer Numerator	Cancer Oral	Cancer SSSL (mg/L)
Tokuthion	1.56E+03	NA	NA	7.30E-02	NA	NA
Toxaphene	1.56E+03	NA	NA	7.30E-02	7.47E+04	9.78E-07
Trichloronate	1.56E+03	2.12E+07	7.39E-05	7.30E-02	NA	NA
O,O,O-Triethyl phosphorothioate	1.56E+03	NA	NA	7.30E-02	NA	NA
Herbicides (using SVOC equations)						
2,4-D	1.56E+03	8.26E+04	1.89E-02	7.30E-02	NA	NA
2,4-DB	1.56E+03	4.65E+05	3.36E-03	7.30E-02	NA	NA
Dicamba	1.56E+03	7.83E+03	2.00E-01	7.30E-02	NA	NA
Dichloroprop	1.56E+03	NA	NA	7.30E-02	NA	NA
MCPA	1.56E+03	3.51E+05	4.46E-03	7.30E-02	NA	NA
MCPP	1.56E+03	1.61E+06	9.70E-04	7.30E-02	NA	NA
2,4,5-T	1.56E+03	2.61E+05	6.00E-03	7.30E-02	NA	NA
2,4,5-TP	1.56E+03	8.15E+05	1.92E-03	7.30E-02	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)						
TCDD	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.56E+03	NA	NA	7.30E-02	1.75E+10	4.17E-
TCDF	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.56E+03	NA	NA	7.30E-02	3.84E+09	1.90E-11
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	1.99E+07	3.67E-09
HpCDD	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	1.23E+07	5.92E-09
HpCDF	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	1.99E+07	3.67E-09
1,2,3,4,7,8-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	6.39E+08	1.14E-10
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.20E+08	2.28E-10
1,2,3,6,7,8-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	6.39E+08	1.14E-10
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.20E+08	2.28E-10
HxCDF	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	6.39E+08	1.14E-10
HxCDD	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.20E+08	2.28E-10
2,3,4,6,7,8-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	6.39E+08	1.14E-10
PeCDD	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.20E+09	2.28E-11
PeCDF	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	9.10E+08	8.02E-11
2,3,4,7,8-Pentachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	9.10E+09	8.02E-12
Octochlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	2.87E+05	2.54E-07
Octochlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	4.67E+05	1.56E-07
Chemical Agent Breakdown (using SVOC equations)						
p-Chlorophenylmethylsulfone	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Chlorophenylmethylsulfoxide	1.56E+03	NA	NA	7.30E-02	NA	NA
1,4-Dithiane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,4-Oxathiane	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-14

Surface Water - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/L)	Numerator	Oral	SSSL (mg/L)
Thiodiglycol	1.56E+03	NA	NA	7.30E-02	NA	NA
Diisopropylmethylphosphonic Acid	1.56E+03	247.93152	6.31E+00	7.30E-02	NA	NA
Dimethylmethylphosphonic Acid	1.56E+03	247.93152	6.31E+00	7.30E-02	NA	NA
Ethylmethylphosphonic Acid	1.56E+03	247.93152	6.31E+00	7.30E-02	NA	NA
Isopropylmethylphosphonic Acid	1.56E+03	198.34521	7.89E+00	7.30E-02	NA	NA
Methylphosphonic Acid	1.56E+03	247.93152	6.31E+00	7.30E-02	NA	NA
Explosives (using SVOC equations)						
2-Amino-4,6-dinitrotoluene	1.56E+03	1091323	1.43E-03	7.30E-02	NA	NA
4-Amino-2,6-dinitrotoluene	1.56E+03	1091323	1.43E-03	7.30E-02	NA	NA
1,3-Dinitrobenzene	1.56E+03	520007.76	3.01E-03	7.30E-02	NA	NA
2,4-Dinitrotoluene	1.56E+03	72584.145	2.16E-02	7.30E-02	1.31E+02	5.57E-04
2,6-Dinitrotoluene	1.56E+03	84197.096	1.86E-02	7.30E-02	7.61E+01	9.60E-04
HMX	1.56E+03	64.085117	2.44E+01	7.30E-02	NA	NA
RDX	1.56E+03	4728.2716	3.31E-01	7.30E-02	1.88E+00	3.87E-02
Tetryl	1.56E+03	16461.273	9.50E-02	7.30E-02	NA	NA
1,3,5-Trinitrobenzene	1.56E+03	905.31114	1.73E+00	7.30E-02	NA	NA
4,6-Trinitrotoluene	1.56E+03	130958.77	1.19E-02	7.30E-02	2.61E+00	2.80E-02

[a] The cadmium (solid media) oral RfD was utilized to calculate SSSL for surface water since fish is a solid media.
[b] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[c] Please see Toxicity Profiles for lead SSSLs.
[d] The mercury oral RfD was utilized to calculate SSSL for surface water since fish is a solid media.

SSSL = Site-specific screening level
mg/L = Milligrams per liter
NA = Not applicable

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)
Inorganics								
Aluminum	1.21E+08	1.00E+02	5.64E+00	1.15E+06	8.50E+03	NA	NA	NA
Antimony	1.21E+08	2.50E+05	3.81E+04	4.22E+02	8.50E+03	NA	NA	NA
Arsenic	1.21E+08	3.33E+05	5.34E+03	3.59E+02	8.50E+03	1.50E+02	2.40E+00	5.58E+01
Barium	1.21E+08	1.43E+03	2.39E+01	8.36E+04	8.50E+03	NA	NA	NA
Beryllium	1.21E+08	5.00E+04	7.61E+05	1.50E+02	8.50E+03	NA	NA	NA
Cadmium (solid media)	1.21E+08	1.00E+05	6.09E+05	1.71E+02	8.50E+03	NA	NA	NA
Cadmium (water)	NA	NA	NA	NA	NA	NA	NA	NA
Calcium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Chromium III	1.21E+08	6.67E+01	2.03E+01	1.40E+06	8.50E+03	NA	NA	NA
Chromium VI	1.21E+08	3.33E+04	1.02E+04	2.79E+03	8.50E+03	NA	NA	NA
Cobalt	1.21E+08	1.67E+03	1.41E+02	6.72E+04	8.50E+03	NA	NA	NA
Copper	1.21E+08	2.50E+03	6.34E+01	4.74E+04	8.50E+03	NA	NA	NA
Cyanide	1.21E+08	5.00E+03	NA	2.43E+04	8.50E+03	NA	NA	NA
Iron	1.21E+08	3.33E+02	5.08E+00	3.59E+05	8.50E+03	NA	NA	NA
Lead[b]	NA	NA	NA	4.00E+02	NA	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	1.21E+08	2.13E+03	6.48E+02	4.38E+04	8.50E+03	NA	NA	NA
Mercury	1.21E+08	3.33E+05	7.25E+04	2.99E+02	8.50E+03	NA	NA	NA
thyl mercury	NA	NA	NA	NA	NA	NA	NA	NA
lybdenum	1.21E+08	2.00E+04	4.35E+02	5.95E+03	8.50E+03	NA	NA	NA
Nickel	1.21E+08	5.00E+03	1.90E+03	1.76E+04	8.50E+03	NA	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.21E+08	2.00E+04	3.81E+02	5.96E+03	8.50E+03	NA	NA	NA
Silver	1.21E+08	2.00E+04	NA	6.07E+03	8.50E+03	NA	NA	NA
Thallium	1.21E+08	1.54E+06	2.34E+04	7.78E+01	8.50E+03	NA	NA	NA
Vanadium	1.21E+08	1.43E+04	1.09E+04	4.83E+03	8.50E+03	NA	NA	NA
Zinc	1.21E+08	3.33E+02	2.03E+01	3.44E+05	8.50E+03	NA	NA	NA
Volatile Organic Compounds								
Acetone	1.21E+08	1.00E+03	1.83E+02	1.03E+05	8.50E+03	NA	NA	NA
Benzene	1.21E+08	3.33E+04	5.08E+03	3.16E+03	8.50E+03	2.90E+00	4.42E-01	2.54E+03
Bis(2-chloroethyl)ether	1.21E+08	NA	NA	NA	8.50E+03	1.10E+02	1.67E+01	6.71E+01
bis(2-Chloroisopropyl)ether	1.21E+08	2.50E+03	3.81E+02	4.22E+04	8.50E+03	7.00E+00	1.07E+00	1.05E+03
Bromobenzene	1.21E+08	5.00E+03	8.46E+02	2.08E+04	8.50E+03	NA	NA	NA
Bromochloromethane	1.21E+08	1.67E+03	2.54E+02	6.33E+04	8.50E+03	NA	NA	NA
Bromodichloromethane	1.21E+08	5.00E+03	8.46E+02	2.08E+04	8.50E+03	6.20E+00	1.05E+00	1.17E+03
Bromoform	1.21E+08	5.00E+03	8.46E+02	2.08E+04	8.50E+03	7.90E-01	1.34E-01	9.21E+03
Bromomethane	1.21E+08	7.14E+04	1.36E+04	1.43E+03	8.50E+03	NA	NA	NA
n-Butylbenzene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
sec-Butylbenzene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
tert-Butylbenzene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
Carbon disulfide	1.21E+08	1.00E+03	1.69E+02	1.04E+05	8.50E+03	NA	NA	NA
Carbon tetrachloride	1.21E+08	1.43E+05	2.72E+04	7.14E+02	8.50E+03	1.30E+01	2.47E+00	5.50E+02
Chlorobenzene	1.21E+08	5.00E+03	7.61E+02	2.11E+04	8.50E+03	NA	NA	NA
loroethane	1.21E+08	2.50E+02	3.81E+01	4.22E+05	8.50E+03	2.90E-01	4.42E-02	2.54E+04
loroform	1.21E+08	1.00E+04	1.52E+03	1.05E+04	8.50E+03	6.10E-01	9.29E-02	1.21E+04
Chloromethane	1.21E+08	2.50E+04	3.81E+03	4.22E+03	8.50E+03	1.30E+00	1.98E-01	5.68E+03
2-Chloronaphthalene	1.21E+08	1.25E+03	1.90E+02	8.43E+04	8.50E+03	NA	NA	NA
m-Chlorotoluene	1.21E+08	5.00E+03	7.61E+02	2.11E+04	8.50E+03	NA	NA	NA

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)
o-Chlorotoluene	1.21E+08	5.00E+03	7.61E+02	2.11E+04	8.50E+03	NA	NA	NA
p-Chlorotoluene	1.21E+08	5.00E+03	7.61E+02	2.11E+04	8.50E+03	NA	NA	NA
Cumene	1.21E+08	1.00E+03	1.69E+02	1.04E+05	8.50E+03	NA	NA	NA
Dibenzofuran	1.21E+08	2.50E+04	7.61E+03	3.73E+03	8.50E+03	NA	NA	NA
1,2-Dibromoethane	1.21E+08	NA	NA	NA	8.50E+03	8.50E+03	1.77E+03	8.28E-01
Dibromomethane	1.21E+08	1.00E+04	1.52E+03	1.05E+04	8.50E+03	NA	NA	NA
1,2-Dichlorobenzene	1.21E+08	1.11E+03	1.88E+02	9.35E+04	8.50E+03	NA	NA	NA
1,3-Dichlorobenzene	1.21E+08	1.11E+05	1.88E+04	9.35E+02	8.50E+03	NA	NA	NA
1,4-Dichlorobenzene	1.21E+08	3.33E+03	5.64E+02	3.12E+04	8.50E+03	2.40E+00	4.06E-01	3.03E+03
Dichlorodifluoromethane	1.21E+08	5.00E+02	9.52E+01	2.04E+05	8.50E+03	NA	NA	NA
1,1-Dichloroethane	1.21E+08	1.00E+03	1.52E+02	1.05E+05	8.50E+03	NA	NA	NA
1,2-Dichloroethane	1.21E+08	3.33E+03	5.08E+02	3.16E+04	8.50E+03	9.10E+00	1.39E+00	8.11E+02
1,1-Dichloroethene	1.21E+08	1.11E+04	1.69E+03	9.49E+03	8.50E+03	6.00E+01	9.14E+00	1.23E+02
2-Butanone	1.21E+08	1.67E+02	2.82E+01	6.23E+05	8.50E+03	NA	NA	NA
cis-1,2-Dichloroethene	1.21E+08	1.00E+04	1.52E+03	1.05E+04	8.50E+03	NA	NA	NA
trans-1,2-Dichloroethene	1.21E+08	5.00E+03	7.61E+02	2.11E+04	8.50E+03	NA	NA	NA
1,2-Dichloroethene	1.21E+08	1.11E+04	1.69E+03	9.49E+03	8.50E+03	NA	NA	NA
1,1-Dichloropropene	1.21E+08	3.33E+05	5.64E+04	3.12E+02	8.50E+03	NA	NA	NA
cis-1,3-Dichloropropene	1.21E+08	3.33E+05	5.64E+04	3.12E+02	8.50E+03	1.80E+01	3.05E+00	4.04E+02
trans-1,3-Dichloropropene	1.21E+08	3.33E+05	5.64E+04	3.12E+02	8.50E+03	1.80E+01	3.05E+00	4.04E[illegible]
1,2-Dichloropropane	1.21E+08	NA	NA	NA	8.50E+03	6.80E+00	1.15E+00	1.07[illegible]
1,3-Dichloropropane	1.21E+08	NA	NA	NA	8.50E+03	NA	NA	NA
2,2-Dichloropropane	1.21E+08	NA	NA	NA	8.50E+03	NA	NA	NA
Ethylbenzene	1.21E+08	1.00E+03	1.65E+02	1.04E+05	8.50E+03	NA	NA	NA
2-Hexanone	1.21E+08	2.50E+03	4.23E+02	4.16E+04	8.50E+03	NA	NA	NA
Isopropylbenzene	1.21E+08	1.00E+03	1.69E+02	1.04E+05	8.50E+03	NA	NA	NA
Methyl Chloride	1.21E+08	2.50E+04	3.81E+03	4.22E+03	8.50E+03	1.30E+00	1.98E-01	5.68E+03
Methylene Chloride	1.21E+08	1.67E+03	2.54E+02	6.33E+04	8.50E+03	7.50E-01	1.14E-01	9.84E+03
Methyl Isobutyl Ketone	1.21E+08	1.25E+03	2.11E+02	8.31E+04	8.50E+03	NA	NA	NA
4-Methyl-2-Pentanone	1.21E+08	1.25E+03	2.11E+02	8.31E+04	8.50E+03	NA	NA	NA
n-Propylbenzene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
Naphthalene	1.21E+08	5.00E+03	7.61E+02	2.11E+04	8.50E+03	NA	NA	NA
Nitrobenzene	1.21E+08	2.00E+05	3.05E+04	5.27E+02	8.50E+03	NA	NA	NA
4-Nitrophenol	1.21E+08	1.25E+04	2.38E+03	8.17E+03	8.50E+03	NA	NA	NA
o-Nitrotoluene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
p-Nitrotoluene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
p-Cymene	1.21E+08	5.00E+02	8.46E+01	2.08E+05	8.50E+03	NA	NA	NA
Styrene	1.21E+08	5.00E+02	7.61E+01	2.11E+05	8.50E+03	NA	NA	NA
1,1,1,2-Tetrachloroethane	1.21E+08	3.33E+03	7.25E+02	2.99E+04	8.50E+03	2.60E+00	5.66E-01	2.69E+03
1,1,2,2-Tetrachloroethane	1.21E+08	1.67E+03	3.63E+02	5.99E+04	8.50E+03	2.00E+01	4.35E+00	3.49E+02
Tetrachloroethene	1.21E+08	1.00E+04	1.52E+03	1.05E+04	8.50E+03	5.20E+00	7.92E-01	1.42E+03
Toluene	1.21E+08	5.00E+02	7.61E+01	2.11E+05	8.50E+03	NA	NA	NA
1,2,3-Trichlorobenzene	1.21E+08	1.00E+05	1.69E+04	1.04E+03	8.50E+03	NA	NA	NA
1,2,4-Trichlorobenzene	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
1,3,5-Trichlorobenzene	1.21E+08	1.00E+05	1.69E+04	1.04E+03	8.50E+03	NA	NA	NA
1,1,1-Trichloroethane	1.21E+08	5.00E+02	7.61E+01	2.11E+05	8.50E+03	NA	NA	NA
1,1,2-Trichloroethane	1.21E+08	2.50E+04	3.81E+03	4.22E+03	8.50E+03	5.70E+00	8.68E-01	1.29E[illegible]
Trichloroethene	1.21E+08	1.67E+04	2.82E+03	6.23E+03	8.50E+03	1.10E+00	1.86E-01	6.61[illegible]
Trichlorofluoromethane	1.21E+08	3.33E+02	6.34E+01	3.06E+05	8.50E+03	NA	NA	NA
1,2,3-Trichloropropane	1.21E+08	1.67E+04	3.17E+03	6.12E+03	8.50E+03	7.00E+02	1.33E+02	1.02E+01
1,2,3-Trimethylbenzene	1.21E+08	2.00E+03	3.81E+02	5.10E+04	8.50E+03	NA	NA	NA

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)
1,2,4-Trimethylbenzene	1.21E+08	2.00E+03	3.81E+02	5.10E+04	8.50E+03	NA	NA	NA
1,3,5-Trimethylbenzene	1.21E+08	2.00E+03	3.81E+02	5.10E+04	8.50E+03	NA	NA	NA
Vinyl Chloride	1.21E+08	NA	NA	NA	8.50E+03	1.90E+02	2.89E+01	3.88E+01
Xylenes	1.21E+08	5.00E+01	7.61E+00	2.11E+06	8.50E+03	NA	NA	NA
m,p-Xylenes	1.21E+08	5.00E+01	7.61E+00	2.11E+06	8.50E+03	NA	NA	NA
o-Xylene	1.21E+08	5.00E+01	7.61E+00	2.11E+06	8.50E+03	NA	NA	NA
1,2-Dimethylbenzene	1.21E+08	5.00E+01	7.61E+00	2.11E+06	8.50E+03	NA	NA	NA
Semi-Volatile Organic Compounds								
Acenaphthene	1.21E+08	1.67E+03	5.08E+02	5.59E+04	8.50E+03	NA	NA	NA
Acenaphthylene	1.21E+08	1.67E+03	5.08E+02	5.59E+04	8.50E+03	NA	NA	NA
Anthracene	1.21E+08	3.33E+02	7.25E+01	2.99E+05	8.50E+03	NA	NA	NA
Benzo(a)anthracene	1.21E+08	NA	NA	NA	8.50E+03	7.30E+01	2.22E+01	8.93E+01
Benzo(b)fluoranthene	1.21E+08	NA	NA	NA	8.50E+03	7.30E+01	2.22E+01	8.93E+01
Benzo(k)fluoranthene	1.21E+08	NA	NA	NA	8.50E+03	7.30E+00	2.22E+00	8.93E+02
Benzo(g,h,i)perylene	1.21E+08	3.33E+03	1.02E+03	2.79E+04	8.50E+03	NA	NA	NA
Benzo(a)pyrene	1.21E+08	NA	NA	NA	8.50E+03	7.30E+02	2.22E+02	8.93E+00
Benzoic Acid	1.21E+08	2.50E+01	3.81E+00	4.22E+06	8.50E+03	NA	NA	NA
bis(2-Chloroethoxy)methane	1.21E+08	3.33E+04	6.34E+03	3.06E+03	8.50E+03	NA	NA	NA
bis(2-ethylhexyl)phthalate	1.21E+08	5.00E+03	6.09E+02	2.17E+04	8.50E+03	1.40E+00	1.71E-01	5.41E+03
Bromodiphenyl ether	1.21E+08	1.72E+03	5.25E+02	5.40E+04	8.50E+03	NA	NA	NA
Butyl benzyl phthalate	1.21E+08	5.00E+02	6.09E+01	2.17E+05	8.50E+03	NA	NA	NA
Carbazole	1.21E+08	NA	NA	NA	8.50E+03	2.00E+00	6.09E-01	3.26E+03
4-Chloroaniline	1.21E+08	2.50E+04	3.81E+03	4.22E+03	8.50E+03	NA	NA	NA
4-Chlorodiphenyl ether	1.21E+08	1.72E+03	5.25E+02	5.40E+04	8.50E+03	NA	NA	NA
4-Chloro-3-methylphenol	1.21E+08	2.00E+04	3.58E+03	5.15E+03	8.50E+03	NA	NA	NA
2-Chlorophenol	1.21E+08	2.00E+04	3.05E+03	5.27E+03	8.50E+03	NA	NA	NA
Chrysene	1.21E+08	NA	NA	NA	8.50E+03	7.30E-01	1.39E-01	9.79E+03
Dibenz(a,h)anthracene	1.21E+08	NA	NA	NA	8.50E+03	7.30E+02	1.39E+02	9.79E+00
Dibromochloromethane	1.21E+08	5.00E+03	8.46E+02	2.08E+04	8.50E+03	8.40E+00	1.42E+00	8.66E+02
3,3'-Dichlorobenzidine	1.21E+08	NA	NA	NA	8.50E+03	4.50E+01	7.61E+00	1.62E+02
2,4-Dichlorophenol	1.21E+08	3.33E+04	5.08E+03	3.16E+03	8.50E+03	NA	NA	NA
2,6-Dichlorophenol	1.21E+08	3.33E+04	5.08E+03	3.16E+03	8.50E+03	NA	NA	NA
Diethyl phthalate	1.21E+08	1.25E+02	1.52E+01	8.66E+05	8.50E+03	NA	NA	NA
2,4-Dimethylphenol	1.21E+08	5.00E+03	9.52E+02	2.04E+04	8.50E+03	NA	NA	NA
Dimethyl phthalate	1.21E+08	NA	NA	NA	8.50E+03	NA	NA	NA
4,6-Dintro-2-methylphenol	1.21E+08	1.00E+06	3.05E+05	9.31E+01	8.50E+03	NA	NA	NA
2,4-Dinitrophenol	1.21E+08	5.00E+04	1.52E+04	1.86E+03	8.50E+03	NA	NA	NA
Di-n-butyl phthalate	1.21E+08	1.00E+03	6.77E+01	1.14E+05	8.50E+03	NA	NA	NA
Di-n-octyl phthalate	1.21E+08	5.00E+03	6.09E+02	2.17E+04	8.50E+03	NA	NA	NA
2,4-Dinitrotoluene	1.21E+08	5.00E+04	7.61E+03	2.11E+03	8.50E+03	6.80E+01	1.04E+01	1.09E+02
2,6-Dinitrotoluene	1.21E+08	1.00E+05	1.52E+04	1.05E+03	8.50E+03	6.80E+01	1.04E+01	1.09E+02
Fluoranthene	1.21E+08	2.50E+03	7.61E+02	3.73E+04	8.50E+03	NA	NA	NA
Fluorene	1.21E+08	2.50E+03	7.61E+02	3.73E+04	8.50E+03	NA	NA	NA
Hexachlorobenzene	1.21E+08	1.25E+05	2.11E+04	8.31E+02	8.50E+03	1.60E+02	2.71E+01	4.55E+01
Hexachlorobutadiene	1.21E+08	5.00E+05	8.46E+04	2.08E+02	8.50E+03	7.80E+00	1.32E+00	9.33E+02
Hexachlorocyclopentadiene	1.21E+08	1.43E+04	4.35E+03	6.52E+03	8.50E+03	NA	NA	NA
Hexachloroethane	1.21E+08	1.00E+05	1.69E+04	1.04E+03	8.50E+03	1.40E+00	2.37E-01	5.20E+03
Indeno(1,2,3-cd)pyrene	1.21E+08	NA	NA	NA	8.50E+03	7.30E+01	2.22E+01	8.93E+01
Isophorone	1.21E+08	5.00E+02	1.52E+02	1.86E+05	8.50E+03	9.50E-02	2.89E-02	6.86E+04
2-Methylnaphthalene	1.21E+08	5.00E+03	9.52E+02	2.04E+04	8.50E+03	NA	NA	NA

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)
4-Methylnaphthalene	1.21E+08	5.00E+03	9.52E+02	2.04E+04	8.50E+03	NA	NA	NA
2-Methylphenol	1.21E+08	2.00E+03	3.58E+02	5.15E+04	8.50E+03	NA	NA	NA
4-Methylphenol	1.21E+08	2.00E+04	3.58E+03	5.15E+03	8.50E+03	NA	NA	NA
2-Nitroaniline	1.21E+08	3.33E+05	5.34E+04	3.14E+02	8.50E+03	NA	NA	NA
3-Nitroaniline	1.21E+08	3.33E+05	5.34E+04	3.14E+02	8.50E+03	NA	NA	NA
4-Nitroaniline	1.21E+08	3.33E+04	5.34E+03	3.14E+03	8.50E+03	NA	NA	NA
2-Nitrophenol	1.21E+08	1.25E+04	3.81E+03	7.45E+03	8.50E+03	NA	NA	NA
N-Nitrosodiphenylamine	1.21E+08	NA	NA	NA	8.50E+03	4.90E-01	7.46E-02	1.51E+04
N-Nitrosodi-n-propylamine	1.21E+08	NA	NA	NA	8.50E+03	7.00E+02	1.07E+02	1.05E+01
Pentachlorophenol	1.21E+08	3.33E+03	5.08E+02	3.16E+04	8.50E+03	1.20E+01	1.83E+00	6.15E+02
Phenanthrene	1.21E+08	3.33E+02	1.02E+02	2.79E+05	8.50E+03	NA	NA	NA
Phenol	1.21E+08	1.67E+02	2.67E+01	6.28E+05	8.50E+03	NA	NA	NA
Pyrene	1.21E+08	3.33E+03	6.34E+02	3.06E+04	8.50E+03	NA	NA	NA
2,4,5-Trichlorophenol	1.21E+08	1.00E+03	1.69E+02	1.04E+05	8.50E+03	NA	NA	NA
2,4,6-Trichlorophenol	1.21E+08	NA	NA	NA	8.50E+03	1.10E+00	1.86E-01	6.61E+03
Pesticides/PCBs (using SVOC equations)								
Aldrin	1.21E+08	3.33E+06	1.02E+06	2.79E+01	8.50E+03	1.70E+03	5.18E+02	3.83E+00
PCBs (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
PCBs (water)	NA	NA	NA	NA	NA	NA	NA	N[illegible]
Aroclor 1016 (solid media, food chain)	1.21E+08	1.43E+06	1.45E+06	4.22E+01	8.50E+03	2.00E+02	1.83E+02	2.22[illegible]
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	1.21E+08	5.00E+06	5.08E+06	1.21E+01	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1262 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	1.21E+08	NA	NA	NA	8.50E+03	2.00E+02	1.83E+02	2.22E+01
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA	NA	NA
Azinphos-methyl	1.21E+08	1.11E+06	2.11E+05	9.19E+01	8.50E+03	NA	NA	NA
alpha-BHC	1.21E+08	NA	NA	NA	8.50E+03	6.30E+02	9.89E+01	1.17E+01
beta-BHC	1.21E+08	NA	NA	NA	8.50E+03	1.80E+02	3.01E+01	4.05E+01
gamma-BHC (Lindane)	1.21E+08	3.33E+05	5.08E+04	3.16E+02	8.50E+03	1.30E+02	1.98E+01	5.68E+01
delta-BHC	1.21E+08	3.33E+05	5.52E+04	3.13E+02	8.50E+03	NA	NA	NA
Bolstar	1.21E+08	4.00E+06	6.77E+05	2.60E+01	8.50E+03	NA	NA	NA
Chlordane	1.21E+08	2.00E+05	1.60E+05	3.38E+02	8.50E+03	3.50E+01	2.80E+01	1.35E+02
Chlorpyrifos	1.21E+08	3.33E+04	5.64E+03	3.12E+03	8.50E+03	NA	NA	NA
Coumaphos	1.21E+08	4.00E+06	6.77E+05	2.60E+01	8.50E+03	NA	NA	N[illegible]
Dalapon	1.21E+08	3.33E+03	7.25E+02	2.99E+04	8.50E+03	NA	NA	[illegible]
DDD	1.21E+08	NA	NA	NA	8.50E+03	2.40E+01	1.22E+01	2.35E+02
4,4'-DDD	1.21E+08	NA	NA	NA	8.50E+03	2.40E+01	1.22E+01	2.35E+02
DDE	1.21E+08	NA	NA	NA	8.50E+03	3.40E+01	1.73E+01	1.66E+02

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)
4,4'-DDE	1.21E+08	NA	NA	NA	8.50E+03	3.40E+01	1.73E+01	1.66E+02
DDT	1.21E+08	2.00E+05	1.02E+05	4.03E+02	8.50E+03	3.40E+01	1.73E+01	1.66E+02
4,4'-DDT	1.21E+08	2.00E+05	1.02E+05	4.03E+02	8.50E+03	3.40E+01	1.73E+01	1.66E+02
Demeton	1.21E+08	2.50E+06	3.81E+05	4.22E+01	8.50E+03	NA	NA	NA
Diazinon	1.21E+08	1.11E+05	2.11E+04	9.19E+02	8.50E+03	NA	NA	NA
Dieldrin	1.21E+08	2.00E+06	6.09E+05	4.66E+01	8.50E+03	1.60E+03	4.87E+02	4.07E+00
1,2-Dibromo-3-chloropropane (DBCP)	1.21E+08	NA	NA	NA	8.50E+03	1.40E+02	2.37E+01	5.20E+01
Dichlorvos	1.21E+08	2.00E+05	3.05E+04	5.27E+02	8.50E+03	2.90E+01	4.42E+00	2.54E+02
Dimethoate	1.21E+08	5.00E+05	7.61E+04	2.11E+02	8.50E+03	NA	NA	NA
Dinoseb	1.21E+08	1.00E+03	1.52E+02	1.05E+05	8.50E+03	NA	NA	NA
Disulfoton	1.21E+08	2.50E+06	4.09E+05	4.18E+01	8.50E+03	NA	NA	NA
Endosulfan	1.21E+08	1.67E+04	3.17E+03	6.12E+03	8.50E+03	NA	NA	NA
Endosulfan II	1.21E+08	1.67E+04	3.17E+03	6.12E+03	8.50E+03	NA	NA	NA
Endodulfan sulfate	1.21E+08	1.67E+04	3.17E+03	6.12E+03	8.50E+03	NA	NA	NA
Endrin	1.21E+08	3.33E+05	1.02E+05	2.79E+02	8.50E+03	NA	NA	NA
Endrin aldehyde	1.21E+08	3.33E+06	1.02E+06	2.79E+01	8.50E+03	NA	NA	NA
Endrin ketone	1.21E+08	3.33E+06	1.02E+06	2.79E+01	8.50E+03	NA	NA	NA
Ethoprop	1.21E+08	2.50E+07	4.09E+06	4.18E+00	8.50E+03	NA	NA	NA
Famphur	1.21E+08	4.00E+06	6.77E+05	2.60E+01	8.50E+03	NA	NA	NA
Fensulfothion	1.21E+08	4.00E+06	6.77E+05	2.60E+01	8.50E+03	NA	NA	NA
Fonthion	1.21E+08	4.00E+06	6.77E+05	2.60E+01	8.50E+03	NA	NA	NA
Heptachlor	1.21E+08	2.00E+05	3.67E+04	5.13E+02	8.50E+03	4.50E+02	8.25E+01	1.60E+01
Heptchlor Epoxide	1.21E+08	7.69E+06	1.41E+06	1.33E+01	8.50E+03	9.10E+02	1.67E+02	7.90E+00
Malathion	1.21E+08	5.00E+03	8.85E+02	2.06E+04	8.50E+03	NA	NA	NA
Merphos	1.21E+08	3.33E+06	5.64E+05	3.12E+01	8.50E+03	NA	NA	NA
Methoxychlor	1.21E+08	2.00E+04	3.05E+03	5.27E+03	8.50E+03	NA	NA	NA
Methyl parathion	1.21E+08	4.00E+05	6.77E+04	2.60E+02	8.50E+03	NA	NA	NA
Mevinphos	1.21E+08	4.00E+06	7.16E+05	2.58E+01	8.50E+03	NA	NA	NA
Naled	1.21E+08	5.00E+04	8.46E+03	2.08E+03	8.50E+03	NA	NA	NA
Parathion	1.21E+08	1.67E+04	2.82E+03	6.23E+03	8.50E+03	NA	NA	NA
Phorate	1.21E+08	5.00E+05	7.61E+04	2.11E+02	8.50E+03	NA	NA	NA
Ronnel	1.21E+08	2.00E+03	3.38E+02	5.20E+04	8.50E+03	NA	NA	NA
Stirophos	1.21E+08	3.33E+03	5.08E+02	3.16E+04	8.50E+03	NA	NA	NA
Sulfotep	1.21E+08	2.00E+05	3.38E+04	5.20E+02	8.50E+03	NA	NA	NA
Thionazin	1.21E+08	1.11E+06	1.88E+05	9.35E+01	8.50E+03	NA	NA	NA
Tokuthion	1.21E+08	2.00E+04	3.38E+03	5.20E+03	8.50E+03	NA	NA	NA
Toxaphene	1.21E+08	NA	NA	NA	8.50E+03	1.10E+02	1.86E+01	6.61E+01
Trichloronate	1.21E+08	2.00E+04	3.38E+03	5.20E+03	8.50E+03	NA	NA	NA
O,O,O-Triethyl phosphorothioate	1.21E+08	4.00E+07	6.77E+06	2.60E+00	8.50E+03	NA	NA	NA
Herbicides (using SVOC equations)								
2,4-D	1.21E+08	1.00E+04	1.52E+03	1.05E+04	8.50E+03	NA	NA	NA
2,4-DB	1.21E+08	1.25E+04	1.90E+03	8.43E+03	8.50E+03	NA	NA	NA
Dicamba	1.21E+08	3.33E+03	5.08E+02	3.16E+04	8.50E+03	NA	NA	NA
Dichloroprop	1.21E+08	1.25E+05	2.11E+04	8.31E+02	8.50E+03	NA	NA	NA
MCPA	1.21E+08	2.00E+05	3.27E+04	5.22E+02	8.50E+03	NA	NA	NA
MCPP	1.21E+08	1.00E+05	1.64E+04	1.04E+03	8.50E+03	NA	NA	NA
2,4,5-T	1.21E+08	1.00E+04	1.65E+03	1.04E+04	8.50E+03	NA	NA	NA
2,4,5-TP	1.21E+08	1.25E+04	2.11E+03	8.31E+03	8.50E+03	NA	NA	NA
Polychlorinated Dibenzo-p-								

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)
Dioxins and Dibenzofurans (using SVOC equations)								
TCDD	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.21E+08	NA	NA	NA	8.50E+03	1.50E+07	2.54E+06	4.85E-04
TCDF	NA	NA	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+05	2.54E+04	4.85E-02
HpCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	1.21E+08	NA	NA	NA	8.50E+03	1.50E+05	2.54E+04	4.85E-02
HpCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+05	2.54E+04	4.85E-02
1,2,3,4,7,8-Hexachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
1,2,3,6,7,8-Hexachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
HxCDF	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
HxCDD	NA	NA	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
2,3,4,6,7,8-Hexachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+06	2.54E+05	4.85E-03
PeCDD	NA	NA	NA	NA	NA	NA	NA	N[illegible]
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.21E+08	NA	NA	NA	8.50E+03	7.50E+06	1.27E+06	9.7[illegible]
PeCDF	NA	NA	NA	NA	NA	NA	NA	N[illegible]
1,2,3,7,8-Pentachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	7.50E+05	1.27E+05	9.70E-03
2,3,4,7,8-Pentachlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	7.50E+06	1.27E+06	9.70E-04
Octochlorodibenzofuran	1.21E+08	NA	NA	NA	8.50E+03	1.50E+04	2.54E+03	4.85E-01
Octochlorodibenzo-p-dioxin	1.21E+08	NA	NA	NA	8.50E+03	1.50E+04	2.54E+03	4.85E-01
Chemical Agent Breakdown (using SVOC equations)								
p-Chlorophenylmethylsulfone	1.21E+08	2.00E+05	3.38E+04	5.20E+02	8.50E+03	NA	NA	NA
p-Chlorophenylmethylsulfoxide	1.21E+08	2.00E+05	3.38E+04	5.20E+02	8.50E+03	NA	NA	NA
1,4-Dithiane	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	NA
1,4-Oxathiane	1.21E+08	1.00E+05	1.69E+04	1.04E+03	8.50E+03	NA	NA	NA
Thiodiglycol	1.21E+08	2.50E+03	4.23E+02	4.16E+04	8.50E+03	NA	NA	NA
Diisopropylmethylphosphonic Acid	1.21E+08	1.25E+03	2.11E+02	8.31E+04	8.50E+03	NA	NA	NA
Dimethylmethylphosphonic Acid	1.21E+08	1.25E+03	2.11E+02	8.31E+04	8.50E+03	NA	NA	NA
Ethylmethylphosphonic Acid	1.21E+08	1.25E+03	2.11E+02	8.31E+04	8.50E+03	NA	NA	NA
Isopropylmethylphosphonic Acid	1.21E+08	1.00E+03	1.69E+02	1.04E+05	8.50E+03	NA	NA	NA
Methylphosphonic Acid	1.21E+08	1.25E+03	2.11E+02	8.31E+04	8.50E+03	NA	NA	NA
Explosives (using SVOC equations)								
2-Amino-4,6-dinitrotoluene	1.21E+08	1.67E+06	4.23E+05	5.81E+01	8.50E+03	NA	NA	NA
4-Amino-2,6-dinitrotoluene	1.21E+08	1.67E+06	4.23E+05	5.81E+01	8.50E+03	NA	NA	NA
1,3-Dinitrobenzene	1.21E+08	1.00E+06	1.90E+05	1.02E+02	8.50E+03	NA	NA	NA
2,4-Dinitrotoluene	1.21E+08	5.00E+04	7.61E+03	2.11E+03	8.50E+03	6.80E+01	1.04E+01	1.09E+02
2,6-Dinitrotoluene	1.21E+08	1.00E+05	1.52E+04	1.05E+03	8.50E+03	6.80E+01	1.04E+01	1.09E+02
HMX	1.21E+08	2.00E+03	2.03E+03	3.01E+04	8.50E+03	NA	NA	NA
RDX	1.21E+08	3.33E+04	5.34E+03	3.14E+03	8.50E+03	1.00E+01	1.60E+00	7.33E-02
Tetryl	1.21E+08	1.00E+04	1.69E+03	1.04E+04	8.50E+03	NA	NA	N[illegible]
1,3,5-Trinitrobenzene	1.21E+08	3.33E+03	8.46E+02	2.91E+04	8.50E+03	NA	NA	N[illegible]
2,4,6-Trinitrotoluene	1.21E+08	2.00E+05	5.08E+04	4.84E+02	8.50E+03	3.00E+00	7.61E-01	2.26E+03

Table 2-15

Sediment - Recreational Site User SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer				Cancer			
Chemical	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)	Numerator	Oral (mg/kg)	Dermal (mg/kg)	SSSL (mg/kg)

[a] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[b] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Inorganics						
Aluminum	1.56E+03	NA	NA	7.30E-02	NA	NA
Antimony	1.56E+03	NA	NA	7.30E-02	NA	NA
Arsenic	1.56E+03	NA	NA	7.30E-02	NA	NA
Barium	1.56E+03	NA	NA	7.30E-02	NA	NA
Beryllium	1.56E+03	NA	NA	7.30E-02	NA	NA
Cadmium (solid media)	1.56E+03	NA	NA	7.30E-02	NA	NA
Cadmium (water)[a]	NA	NA	NA	7.30E-02	NA	NA
Calcium[b]	NA	NA	NA	NA	NA	NA
Chromium III	1.56E+03	NA	NA	7.30E-02	NA	NA
Chromium VI	1.56E+03	NA	NA	7.30E-02	NA	NA
Cobalt	1.56E+03	NA	NA	7.30E-02	NA	NA
Copper	1.56E+03	NA	NA	7.30E-02	NA	NA
Cyanide	1.56E+03	NA	NA	7.30E-02	NA	NA
Iron	1.56E+03	NA	NA	7.30E-02	NA	NA
Lead[c]	NA	NA	4.00E+02	NA	NA	NA
Magnesium[a]	NA	NA	NA	NA	NA	NA
langanese	1.56E+03	NA	NA	7.30E-02	NA	NA
Mercury	NA	NA	NA	NA	NA	NA
Methyl mercury	1.56E+03	3.92E+05	3.99E-03	7.30E-02	NA	NA
Molybdenum	1.56E+03	NA	NA	7.30E-02	NA	NA
Nickel	1.56E+03	NA	NA	7.30E-02	NA	NA
Potassium[a]	NA	NA	NA	NA	NA	NA
Sodium[a]	NA	NA	NA	NA	NA	NA
Selenium	1.56E+03	NA	NA	7.30E-02	NA	NA
Silver	1.56E+03	NA	NA	7.30E-02	NA	NA
Thallium	1.56E+03	NA	NA	7.30E-02	NA	NA
Vanadium	1.56E+03	NA	NA	7.30E-02	NA	NA
Zinc	1.56E+03	NA	NA	7.30E-02	NA	NA
Volatile Organic Compounds						
Acetone	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Bis(2-chloroethyl)ether	1.56E+03	NA	NA	7.30E-02	NA	NA
bis(2-Chloroisopropyl)ether	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromochloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromodichloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromoform	1.56E+03	NA	NA	7.30E-02	NA	NA
Bromomethane	1.56E+03	NA	NA	7.30E-02	NA	NA
n-Butylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
sec-Butylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
ert-Butylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Carbon disulfide	1.56E+03	NA	NA	7.30E-02	NA	NA
Carbon tetrachloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Chlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Chloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Chloroform	1.56E+03	NA	NA	7.30E-02	NA	NA
Chloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Chloronaphthalene	1.56E+03	NA	NA	7.30E-02	NA	NA
m-Chlorotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
o-Chlorotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Chlorotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
Cumene	1.56E+03	NA	NA	7.30E-02	NA	NA
Dibenzofuran	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dibromoethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Dibromomethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3-Dichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,4-Dichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Dichlorodifluoromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1-Dichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Butanone	1.56E+03	NA	NA	7.30E-02	NA	NA
cis-1,2-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
trans-1,2-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1-Dichloropropene	1.56E+03	NA	NA	7.30E-02	NA	NA
cis-1,3-Dichloropropene	1.56E+03	NA	NA	7.30E-02	NA	NA
trans-1,3-Dichloropropene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3-Dichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
2,2-Dichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
Ethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Hexanone	1.56E+03	NA	NA	7.30E-02	NA	NA
Isopropylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Methyl Chloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Methylene Chloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Methyl Isobutyl Ketone	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Methyl-2-Pentanone	1.56E+03	NA	NA	7.30E-02	NA	NA
n-Propylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Naphthalene	1.56E+03	NA	NA	7.30E-02	NA	NA
Nitrobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Nitrophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
o-Nitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Nitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Cymene	1.56E+03	NA	NA	7.30E-02	NA	NA
Styrene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,1,2-Tetrachloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,2,2-Tetrachloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Tetrachloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
Toluene	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
1,2,3-Trichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,4-Trichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3,5-Trichlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,1-Trichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,1,2-Trichloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Trichloroethene	1.56E+03	NA	NA	7.30E-02	NA	NA
Trichlorofluoromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,3-Trichloropropane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,3-Trimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2,4-Trimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3,5-Trimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Vinyl Chloride	1.56E+03	NA	NA	7.30E-02	NA	NA
Xylenes	1.56E+03	NA	NA	7.30E-02	NA	NA
m,p-Xylenes	1.56E+03	NA	NA	7.30E-02	NA	NA
o-Xylene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,2-Dimethylbenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
`emi-Volatile Organic Compounds						
,cenaphthene	1.56E+03	NA	NA	7.30E-02	NA	NA
Acenaphthylene	1.56E+03	NA	NA	7.30E-02	NA	NA
Anthracene	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzo(a)anthracene	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzo(b)fluoranthene	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzo(k)fluoranthene	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzo(g,h,I)perylene	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzo(a)pyrene	1.56E+03	NA	NA	7.30E-02	NA	NA
Benzoic Acid	1.56E+03	NA	NA	7.30E-02	NA	NA
bis(2-Chloroethoxy)methane	1.56E+03	NA	NA	7.30E-02	NA	NA
bis(2-ethylhexyl)phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Bromodiphenyl ether	1.56E+03	NA	NA	7.30E-02	NA	NA
Butyl benzyl phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
Carbazole	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Chloroaniline	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Chlorodiphenyl ether	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Chloro-3-methylphenol	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Chlorophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
Chrysene	1.56E+03	NA	NA	7.30E-02	NA	NA
Dibenz(a,h)anthracene	1.56E+03	NA	NA	7.30E-02	NA	NA
Dibromochloromethane	1.56E+03	NA	NA	7.30E-02	NA	NA
3,3'-Dichlorobenzidine	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4-Dichlorophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
2,6-Dichlorophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
Diethyl phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
,4-Dimethylphenol	1.56E+03	NA	NA	7.30E-02	NA	NA
Dimethyl phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
4,6-Dintro-2-methylphenol	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4-Dinitrophenol	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Di-n-butyl phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
Di-n-octyl phthalate	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4-Dinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
2,6-Dinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
Fluoranthene	1.56E+03	NA	NA	7.30E-02	NA	NA
Fluorene	1.56E+03	NA	NA	7.30E-02	NA	NA
Hexachlorobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
Hexachlorobutadiene	1.56E+03	NA	NA	7.30E-02	NA	NA
Hexachlorocyclopentadiene	1.56E+03	NA	NA	7.30E-02	NA	NA
Hexachloroethane	1.56E+03	NA	NA	7.30E-02	NA	NA
Indeno(1,2,3-cd)pyrene	1.56E+03	NA	NA	7.30E-02	NA	NA
Isophorone	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Methylnaphthalene	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Methylnaphthalene	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Methylphenol	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Methylphenol	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Nitroaniline	1.56E+03	NA	NA	7.30E-02	NA	NA
3-Nitroaniline	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Nitroaniline	1.56E+03	NA	NA	7.30E-02	NA	NA
2-Nitrophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
N-Nitrosodiphenylamine	1.56E+03	NA	NA	7.30E-02	NA	NA
N-Nitrosodi-n-propylamine	1.56E+03	NA	NA	7.30E-02	NA	NA
Pentachlorophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
Phenanthrene	1.56E+03	NA	NA	7.30E-02	NA	NA
Phenol	1.56E+03	NA	NA	7.30E-02	NA	NA
Pyrene	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4,5-Trichlorophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4,6-Trichlorophenol	1.56E+03	NA	NA	7.30E-02	NA	NA
Pesticides/PCBs (using SVOC equations)						
Aldrin	1.56E+03	NA	NA	7.30E-02	NA	NA
PCBs (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
PCBs (water)	NA	NA	NA	NA	NA	NA
Aroclor 1016 (solid media, food chain)	1.56E+03	6.48E+05	2.42E-03	7.30E-02	1.20E+02	6.06E-04
Aroclor 1016 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1221 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1221 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1232 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1232 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1242 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1242 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1248 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1248 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1254 (solid media, food chain)	1.56E+03	2.27E+06	6.90E-04	7.30E-02	1.20E+02	6.06E-
Aroclor 1254 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1260 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1260 (water)	NA	NA	NA	NA	NA	NA

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Aroclor 1262 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1262 (water)	NA	NA	NA	NA	NA	NA
Aroclor 1268 (solid media, food chain)	1.56E+03	NA	NA	7.30E-02	1.20E+02	6.06E-04
Aroclor 1268 (water)	NA	NA	NA	NA	NA	NA
Azinphos-methyl	1.56E+03	NA	NA	7.30E-02	NA	NA
alpha-BHC	1.56E+03	NA	NA	7.30E-02	5.02E+02	1.45E-04
beta-BHC	1.56E+03	NA	NA	7.30E-02	1.44E+02	5.09E-04
gamma-BHC (Lindane)	1.56E+03	5.64E+04	2.78E-02	7.30E-02	2.92E+01	2.50E-03
delta-BHC	1.56E+03	2.00E+05	7.82E-03	7.30E-02	NA	NA
Bolstar	1.56E+03	NA	NA	7.30E-02	NA	NA
Chlordane	1.56E+03	9.80E+04	1.60E-02	7.30E-02	2.28E+01	3.20E-03
Chlorpyrifos	1.56E+03	NA	NA	7.30E-02	NA	NA
Coumaphos	1.56E+03	NA	NA	7.30E-02	NA	NA
Dalapon	1.56E+03	NA	NA	7.30E-02	NA	NA
DDD	1.56E+03	NA	NA	7.30E-02	2.19E+00	3.34E-02
4,4'-DDD	1.56E+03	NA	NA	7.30E-02	2.19E+00	3.34E-02
DDE	1.56E+03	NA	NA	7.30E-02	8.52E+01	8.57E-04
4'-DDE	1.56E+03	NA	NA	7.30E-02	8.52E+01	8.57E-04
DDT	1.56E+03	8.18E+04	1.91E-02	7.30E-02	1.85E+01	3.95E-03
4,4'-DDT	1.56E+03	8.18E+04	1.91E-02	7.30E-02	1.85E+01	3.95E-03
Demeton	1.56E+03	NA	NA	7.30E-02	NA	NA
Diazinon	1.56E+03	NA	NA	7.30E-02	NA	NA
Dieldrin	1.56E+03	3.26E+06	4.80E-04	7.30E-02	3.46E+03	2.11E-05
1,2-Dibromo-3-chloropropane (DBCP)	1.56E+03	NA	NA	7.30E-02	NA	NA
Dichlorvos	1.56E+03	NA	NA	7.30E-02	NA	NA
Dimethoate	1.56E+03	NA	NA	7.30E-02	NA	NA
Dinoseb	1.56E+03	NA	NA	7.30E-02	NA	NA
Disulfoton	1.56E+03	NA	NA	7.30E-02	NA	NA
Endosulfan	1.56E+03	NA	NA	7.30E-02	NA	NA
Endosulfan II	1.56E+03	NA	NA	7.30E-02	NA	NA
Endodulfan sulfate	1.56E+03	NA	NA	7.30E-02	NA	NA
Endrin	1.56E+03	NA	NA	7.30E-02	NA	NA
Endrin aldehyde	1.56E+03	NA	NA	7.30E-02	NA	NA
Endrin ketone	1.56E+03	NA	NA	7.30E-02	NA	NA
Ethoprop	1.56E+03	NA	NA	7.30E-02	NA	NA
Famphur	1.56E+03	NA	NA	7.30E-02	NA	NA
Fensulfothion	1.56E+03	NA	NA	7.30E-02	NA	NA
Fenthion	1.56E+03	NA	NA	7.30E-02	NA	NA
Heptachlor	1.56E+03	9.80E+04	1.60E-02	7.30E-02	2.93E+02	2.49E-04
Heptachlor Epoxide	1.56E+03	3.77E+06	4.15E-04	7.30E-02	5.92E+02	1.23E-04
Malathion	1.56E+03	NA	NA	7.30E-02	NA	NA
Merphos	1.56E+03	NA	NA	7.30E-02	NA	NA
Methoxychlor	1.56E+03	NA	NA	7.30E-02	NA	NA
Methyl parathion	1.56E+03	NA	NA	7.30E-02	NA	NA
Mevinphos	1.56E+03	NA	NA	7.30E-02	NA	NA
Naled	1.56E+03	NA	NA	7.30E-02	NA	NA
Parathion	1.56E+03	NA	NA	7.30E-02	NA	NA

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

	Noncancer			Cancer		
Chemical	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Phorate	1.56E+03	NA	NA	7.30E-02	NA	NA
Ronnel	1.56E+03	NA	NA	7.30E-02	NA	NA
Stirophos	1.56E+03	NA	NA	7.30E-02	NA	NA
Sulfotep	1.56E+03	NA	NA	7.30E-02	NA	NA
Thionazin	1.56E+03	NA	NA	7.30E-02	NA	NA
Tokuthion	1.56E+03	NA	NA	7.30E-02	NA	NA
Toxaphene	1.56E+03	NA	NA	7.30E-02	NA	NA
Trichloronate	1.56E+03	NA	NA	7.30E-02	NA	NA
O,O,O-Triethyl phosphorothioate	1.56E+03	NA	NA	7.30E-02	NA	NA
Herbicides (using SVOC equations)						
2,4-D	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4-DB	1.56E+03	NA	NA	7.30E-02	NA	NA
Dicamba	1.56E+03	NA	NA	7.30E-02	NA	NA
Dichloroprop	1.56E+03	NA	NA	7.30E-02	NA	NA
MCPA	1.56E+03	NA	NA	7.30E-02	NA	NA
MCPP	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4,5-T	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4,5-TP	1.56E+03	NA	NA	7.30E-02	NA	NA
Polychlorinated Dibenzo-p-Dioxins and Dibenzofurans (using SVOC equations)						
TCDD	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDD	1.56E+03	NA	NA	7.30E-02	2.88E+05	2.53E-07
TCDF	NA	NA	NA	NA	NA	NA
2,3,7,8-TCDF	1.56E+03	NA	NA	7.30E-02	2.29E+04	3.18E-06
1,2,3,4,6,7,8-Heptachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	3.17E+01	2.30E-03
HpCDD	NA	NA	NA	NA	NA	NA
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxir	1.56E+03	NA	NA	7.30E-02	1.51E+02	4.82E-04
HpCDF	NA	NA	NA	NA	NA	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	1.12E+03	6.50E-05
1,2,3,4,7,8-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	2.20E+03	3.32E-05
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	8.79E+03	8.31E-06
1,2,3,6,7,8-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	5.37E+03	1.36E-05
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.56E+03	2.05E-05
HxCDF	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	1.81E+04	4.04E-06
HxCDD	NA	NA	NA	NA	NA	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.95E+03	1.85E-05
2,3,4,6,7,8-Hexachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	1.95E+04	3.74E-06
PeCDD	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	1.32E+05	5.54E-07
PeCDF	NA	NA	NA	NA	NA	NA
1,2,3,7,8-Pentachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	3.17E+03	2.30E-
2,3,4,7,8-Pentachlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	2.32E+05	3.15E-0
Octochlorodibenzofuran	1.56E+03	NA	NA	7.30E-02	4.88E+00	1.50E-02
Octochlorodibenzo-p-dioxin	1.56E+03	NA	NA	7.30E-02	3.61E+00	2.02E-02

Table 2-16

Sediment - Recreational Site User Fish Consumption SSSLs
Fort McClellan, Calhoun County, Alabama

Chemical	Noncancer			Cancer		
	Numerator	Oral	SSSL (mg/kg)	Numerator	Oral	SSSL (mg/kg)
Chemical Agent Breakdown (using SVOC equations)						
p-Chlorophenylmethylsulfone	1.56E+03	NA	NA	7.30E-02	NA	NA
p-Chlorophenylmethylsulfoxide	1.56E+03	NA	NA	7.30E-02	NA	NA
1,4-Dithiane	1.56E+03	NA	NA	7.30E-02	NA	NA
1,4-Oxathiane	1.56E+03	NA	NA	7.30E-02	NA	NA
Thiodiglycol	1.56E+03	NA	NA	7.30E-02	NA	NA
Diisopropylmethylphosphonic Acid	1.56E+03	NA	NA	7.30E-02	NA	NA
Dimethylmethylphosphonic Acid	1.56E+03	NA	NA	7.30E-02	NA	NA
Ethylmethylphosphonic Acid	1.56E+03	NA	NA	7.30E-02	NA	NA
Isopropylmethylphosphonic Acid	1.56E+03	NA	NA	7.30E-02	NA	NA
Methylphosphonic Acid	1.56E+03	NA	NA	7.30E-02	NA	NA
Explosives (using SVOC equations)						
2-Amino-4,6-dinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
4-Amino-2,6-dinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3-Dinitrobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
[illegible],4-Dinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
[illegible],6-Dinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA
HMX	1.56E+03	NA	NA	7.30E-02	NA	NA
RDX	1.56E+03	NA	NA	7.30E-02	NA	NA
Tetryl	1.56E+03	NA	NA	7.30E-02	NA	NA
1,3,5-Trinitrobenzene	1.56E+03	NA	NA	7.30E-02	NA	NA
2,4,6-Trinitrotoluene	1.56E+03	NA	NA	7.30E-02	NA	NA

[a] The cadmium (solid media) oral RfD was utilized to calculate SSSL for surface water since fish is a solid media.
[b] Chemical is an essential nutrient, thus no SSSLs are calculated for this compound.
[c] Please see Toxicity Profiles for lead SSSLs.

SSSL = Site-specific screening level
mg/kg = Milligrams per kilogram
NA = Not applicable

NOTE: The SSSLs derived above should be multiplied by 5 for application to Pelham Range.

3.0 Ecological Screening Values

3.1 Introduction

The ecological screening values (ESV) used in the screening-level ecological risk assessments at FTMC represent the most conservative values available from various literature sources. The ESVs are based on no-observed-adverse-effect-levels (NOAEL) when available. If a NOAEL-based ESV was not available for a certain COPEC, then the most health-protective value available from the scientific literature was identified as the ESV. No ESVs were derived specifically for the ecological risk assessments at FTMC.

For each environmental medium sampled at FTMC, a hierarchy has been developed which presents an orderly method for selection of ESVs.

3.2 Ecological Screening Values for Soil

The ESVs for soil at FTMC are presented in Table 3-1. The hierarchy for selecting ESVs for soil is as follows:

- EPA Region IV constituent-specific ESVs.
- EPA Region IV ESVs for general class of constituents.
- EPA Region V ecological data quality levels (EDQL).
- EPA Region III Biological Technical Advisory Group (BTAG) values.
- ESVs from Talmage et al., 1999.

In all cases, when there is a EPA Region IV ESV available for a certain constituent, then the Region IV ESV takes precedent over all other ESVs and is designated the ESV for that particular constituent. The Office of Technical Services (OTS) has developed lists of ESVs for Region IV based on contaminant levels associated with a low probability of unacceptable risks to ecological receptors. The Region IV ESVs have been compiled from numerous sources and are based on conservative endpoints and sensitive ecological effects data. When a Region IV ESV is not available for a certain constituent, then the Region IV ESV for the general class of constituent (e.g. aliphatic chlorinated hydrocarbons) is utilized, if available.

Region V EDQLs for soil are initial screening levels based on the most conservative NOAELs for plants, earthworms, voles, and shrews. Region III BTAG values are based on the lowest value from a combination of sources considered to be protective of the most sensitive organism in a given medium. The sources are peer-reviewed literature, regulatory agency criteria, and technical experts from federal agencies.

Talmage et al., (1999) have derived ESVs for a number of nitroaromatic compounds and associated byproducts and degradation products. ESVs for nitroaromatic compounds in surface water were derived by Talmage et al., (1999) using the methods established by EPA in deriving national ambient water quality criteria. Talmage et al., (1999) used the equilibrium partitioning approach to derive ESVs for nitroaromatics in sediment. ESVs for soil were derived by selecting the lowest value from laboratory test animal NOAELs, plant LOECs, and invertebrate LOECs. By selecting the lowest value from these data sets, the ESV for each compound was assured of being protective of a wide range of organisms.

3.3 Ecological Screening Values for Surface Water

The ESVs for surface water at FTMC are presented in Table 3-2. The hierarchy for selecting ESVs for surface water is as follows:

- EPA Region IV constituent-specific ESVs
- National Oceanic and Atmospheric Administration (NOAA) Screening Quick Reference Tables (SQRT), chronic freshwater ambient water quality criteria
- EPA Region V EDQLs
- Office of Solid Waste and Emergency Response (OSWER) Ecotox Threshold values
- EPA Region III BTAG values
- Lowest chronic value from *Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Review* (Suter and Tsao, 1996)
- ESVs from Talmage et al., 1999.

As with the soil ESVs, Region IV values for surface water were used whenever available. Region V EDQLs, Region III BTAG values, and ESVs developed by Talmage et al., (1999) were also used to supplement the Region IV surface water ESVs. A number of other sources were also used to supplement missing Region IV values. Lowest observable chronic effect levels and

proposed chronic effect criteria for freshwater were referenced from NOAA's SQRT. Final chronic values and Tier II values presented as ecotox threshold values by the OSWER were also used to supplement Region IV values. The lowest chronic values for fish, daphnids, non-daphnid invertebrates, and aquatic plants (Suter and Tsao, 1996) were also used to supplement Region IV ESVs.

3.4 Ecological Screening Values for Sediment

The ESVs for sediment at FTMC are presented in Table 3-3. The hierarchy for selecting ESVs for sediment is as follows:

- EPA Region IV constituent-specific ESVs
- NOAA SQRT, chronic freshwater ambient water quality criteria
- EPA Region V EDQLs
- OSWER ecotox threshold values
- EPA Region III BTAG values;
- Lowest effect levels from Ontario Ministry of the Environment (1992) presented in *Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision* (Jones et al., 1997)
- ESVs from Talmage et al., 1999
- Sediment quality adverse effect threshold (AET) values from the Puget Sound Estuary Program.

As with the soil and surface water ESVs, Region IV values for sediment were used whenever available. Region V EDQLs, Region III BTAG values, and ESVs developed by Talmage et al., (1999) were also used to supplement the Region IV surface water ESVs. Threshold effect levels (TEL) for freshwater sediments from NOAA's SQRT and sediment quality benchmarks derived using equilibrium partitioning presented as ecotox thresholds by the OSWER were also used to supplement Region IV values. A number of other sources were also used to supplement missing Region IV values. The lowest effect levels presented by the Ontario Ministry of the Environment and reported in Jones et al., (1997) were used to supplement Region IV values. Additionally, sediment quality AET values from the Puget Sound Estuary Program were also used to supplement Region IV values.

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Inorganics				
Aluminum	5.00E+01	--		
Antimony	3.50E+00	--		
Arsenic	1.00E+01	--		
Barium	1.65E+02	--		
Beryllium	1.10E+00	--		
Cadmium	1.60E+00	--		
Calcium	no data	no data		
Chromium	4.00E-01	--		
Cobalt	2.00E+01	--		
Copper	4.00E+01	--		
Iron	2.00E+02	--		
Lead	5.00E+01	--		
Magnesium	no data	4.40E+05	b	based on protection of flora & fauna
Manganese	1.00E+02	--		
Mercury (inorganic)	1.00E-01	--		
Methyl mercury	6.70E-01	--		
Molybdenum	2.00E+00	--		
Nickel	3.00E+01	--		
Potassium	no data	no data		
Selenium	8.10E-01	--		
Silver	2.00E+00	--		
Sodium	no data	no data		
Thallium	1.00E+00	--		
Vanadium	2.00E+00	--		
Zinc	5.00E+01	--		
Cyanide	5.00E+00	--		
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,1,1-Trichloroethane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,1,2,2-Tetrachloroethane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,1,2-Trichloroethane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,1-Dichloroethane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,1-Dichloropropene	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,2,3-Trichlorobenzene	1.00E-02	--		
1,2,3-Trichloropropane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,2,3-Trimethylbenzene	1.00E-01	--		value for monocyclic aromatic hydrocarbon
1,2,4-Trichlorobenzene	1.00E-02	--		
1,2,4-Trimethylbenzene	1.00E-01	--		value for monocyclic aromatic hydrocarbon
1,2-Dibromo-3-chloropropane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
1,2-Dibromoethane	no data	1.23E+00	e	
1,2-Dichlorobenzene	1.00E-02	--		
1,2-Dichloroethane	4.00E-01	--		
1,2-Dichloroethene (Total)	1.00E-01	--		value for chlorinated aliphatic hydrocarbon

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
1,2-Dichloropropane	7.00E+02	- -		
1,3,5-Trichlorobenzene	1.00E-02	- -		
1,3,5-Trimethylbenzene	1.00E-01	- -		value for monocyclic aromatic hydrocarbon
1,3-Dichlorobenzene	1.00E-02	- -		
1,3-Dichloropropane	no data	7.00E+02		use 1,2-dichloropropane as surrogate
1,4-Dichlorobenzene	1.00E-02	- -		
2,2-Dichloropropane	no data	7.00E+02		use 1,2-dichloropropane as surrogate
2-Butanone	no data	8.96E+01	e	
2-Chlorotoluene	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
2-Hexanone	no data	1.26E+01	e	
3-Chlorotoluene	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
4-Chlorotoluene	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
4-methyl-2-Pentanone (MIBK)	no data	4.43E+02	e	
Acetone	no data	2.50E+00	e	
Benzene	5.00E-02	- -		
Bromobenzene	1.00E-01	- -		value for monocyclic aromatic hydrocarbon
Bromochloromethane	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
Bromodichloromethane	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
Bromoform	no data	1.59E+01	e	
Bromomethane	no data	no data		
Carbon disulfide	no data	9.40E-02	e	
Carbon tetrachloride	1.00E+03	- -		
Chlorobenzene	5.00E-02	- -		
Chloroethane	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
Chloroform	1.00E-03	- -		
Chloromethane (methyl chloride)	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
cis-1,2-Dichloroethene	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
cis-1,3-Dichloropropene	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
Dibromochloromethane	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
Dibromomethane	no data	1.23E+00	e	
Dichlorodifluoromethane	1.00E-01	- -		value for chlorinated aliphatic hydrocarbon
Ethyl benzene	5.00E-02	- -		
Hexachlorobutadiene	no data	3.98E-02	e	
Isopropylbenzene (cumene)	no data	no data		
m,p-Xylene	5.00E-02	- -		
Methylene chloride	2.00E+00	- -		
Naphthalene	1.00E-01	- -		
n-Butylbenzene	no data	no data		
n-Propylbenzene	no data	no data		
o-Xylene	5.00E-02	- -		
p-Isopropyltoluene (p-cymene)	no data	no data		
sec-Butylbenzene	no data	no data		
Styrene	1.00E-01	- -		
tert-Butylbenzene	no data	no data		
Tetrachloroethene	1.00E-02	- -		

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Toluene	5.00E-02	--		
trans-1,2-Dichloroethene	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
trans-1,3-Dichloropropene	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
Trichloroethene	1.00E-03	--		
Trichlorofluoromethane	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
Vinyl chloride	1.00E-02	--		
Xylenes (total)	5.00E-02	--		
1,1-Dichloroethene	1.00E-01	--		value for chlorinated aliphatic hydrocarbon
Semivolatile Organic Compounds (SVOCs)				
1,2,4-Trichlorobenzene	1.00E-02	--		
1,2-Dichlorobenzene	1.00E-02	--		
1,3-Dichlorobenzene	1.00E-02	--		
1,4-Dichlorobenzene	1.00E-02	--		
2,4,5-Trichlorophenol	4.00E+00	--		
2,4,6-Trichlorophenol	1.00E+01	--		
2,4-Dichlorophenol	no data	2.00E+01		use 3,4-dichlorophenol as surrogate
2,4-Dimethylphenol	no data	1.00E-02	e	
2,4-Dinitrophenol	2.00E+01	--		
2,4-Dinitrotoluene	no data	1.28E+00	e	
2,6-Dichlorophenol	no data	2.00E+01		use 3,4-dichlorophenol as surrogate
2,6-Dinitrotoluene	no data	3.28E-02	e	
2-Chloronaphthalene	1.00E+00	--		
2-Chlorophenol	no data	7.00E+00		use 3-chlorophenol as surrogate
2-Methylnaphthalene	no data	--		
2-Methylphenol (o-cresol)	5.00E-01	--		
2-Nitroaniline	no data	3.16E+00	e	
2-Nitrophenol	no data	7.00E+00		use 4-nitrophenol as surrogate
3,3'-Dichlorobenzidine	no data	6.46E-01	e	
3-Nitroaniline	no data	2.19E+01	e	
4,6-Dinitro-2-methylphenol	no data	no data		
4-Bromophenyl-phenylether	no data	no data		
4-Chloro-3-methylphenol	no data	no data		
4-Chloroaniline	no data	2.00E+01		use 3-chloroaniline as surrogate
4-Chlorophenyl-phenylether	no data	no data		
4-Methylphenol (p-cresol)	5.00E-01	--		
4-Nitroaniline	no data	3.16E+00	e	use m-nitroaniline as surrogate
4-Nitrophenol	7.00E+00	--		
Acenaphthene	2.00E+01	--		
Acenaphthylene	no data	6.82E+02	e	
Anthracene	1.00E-01	--		
Benzo(a)anthracene	no data	5.21E+00	e	
Benzo(a)pyrene	1.00E-01	--		
Benzo(b)fluoranthene	no data	5.98E+01	e	
Benzo(g,h,i)perylene	no data	1.19E+02	e	

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Benzo(k)fluoranthene	no data	1.48E+02	e	
Benzoic acid	no data	no data		
bis(2-Chloroethoxy)methane	no data	no data		
bis(2-Chloroethyl)ether	no data	2.37E+01	e	
bis(2-Chloroisopropyl)ether	no data	no data		
bis(2-Ethylhexyl)phthalate	no data	9.26E-01	e	
Butyl benzyl phthalate	no data	2.39E-01	e	
Carbazole	no data	no data		
Chrysene	no data	4.73E+00	e	
Dibenzo(a,h)anthracene	no data	1.84E+01	e	
Dibenzofuran	no data	no data		
Diethyl phthalate	1.00E+02	--		
Dimethylphthalate	2.00E+02	--		
Di-n-butylphthalate	2.00E+02	--		
Di-n-octylphthalate	no data	7.09E+02	e	
Fluoranthene	1.00E-01	--		
Fluorene	no data	1.22E+02	e	
Hexachlorobenzene	2.50E-03	--		
Hexachlorobutadiene	no data	3.98E-02	e	
Hexachlorocyclopentadiene	1.00E+01	--		
Hexachloroethane	no data	5.96E-01	e	
Indeno(1,2,3-cd)pyrene	no data	1.09E+02	e	
Isophorone	no data	1.39E+02	e	
Naphthalene	1.00E-01	--		
Nitrobenzene	4.00E+01	--		
n-Nitroso-di-n-propylamine	no data	no data		
n-Nitrosodiphenylamine	2.00E+01	--		
Pentachlorophenol	2.00E-03	--		
Phenanthrene	1.00E-01	--		
Phenol	5.00E-02	--		
Pyrene	1.00E-01	--		
Diisopropylmethylphosphonic Acid	no data	no data		
Dimethylmethylphosphonic Acid	no data	no data		
Ethylmethylphosponic Acid	no data	no data		
Isopropylmethylphosphonic Acid	no data	no data		
Methylphoshonic Acid	no data	no data		
Thiodiglycol	no data	no data		
1,4-Dithiane	no data	no data		
1,4-Oxathiane	no data	no data		
p-Chlorophenylmethylsulfone	no data	no data		
p-Chlorophenylmethylsulfoxide	no data	no data		
Propane, 2,2'-Oxybis[1-Chloro-	no data	no data		

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Dioxins and Furans [c]				
2,3,7,8-TCDD	no data	1.00E-02	b	based on protection of fauna
Total TCDD	no data	1.00E-02		use 2,3,7,8-TCDD as surrogate
2,3,7,8-TCDF	no data	1.00E-02		protective of birds and mammals
Total TCDF	no data	1.00E-02		protective of birds and mammals
1,2,3,7,8-PeCDD	no data	1.00E-02		protective of birds and mammals
Total PeCDD	no data	1.00E-02		protective of birds and mammals
1,2,3,7,8-PeCDF	no data	1.00E-01		protective of birds and mammals
2,3,4,7,8-PeCDF	no data	1.00E-02		protective of birds and mammals
Total PeCDF	no data	1.00E-02		protective of birds and mammals
1,2,3,4,7,8-HxCDD	no data	1.00E-01		protective of birds and mammals
1,2,3,6,7,8-HxCDD	no data	1.00E-01		protective of birds and mammals
1,2,3,7,8,9-HxCDD	no data	1.00E-01		protective of birds and mammals
Total HxCDD	no data	1.00E-01		protective of birds and mammals
1,2,3,4,7,8-HxCDF	no data	1.00E-01		protective of birds and mammals
1,2,3,6,7,8-HxCDF	no data	1.00E-01		protective of birds and mammals
1,2,3,7,8,9-HxCDF	no data	1.00E-01		protective of birds and mammals
2,3,4,6,7,8-HxCDF	no data	1.00E-01		protective of birds and mammals
Total HxCDF	no data	1.00E-01		protective of birds and mammals
1,2,3,4,6,7,8-HpCDD	no data	1.00E+00		protective of birds and mammals
Total HpCDD	no data	1.00E+00		protective of birds and mammals
1,2,3,4,6,7,8-HpCDF	no data	1.00E+00		protective of birds and mammals
1,2,3,4,7,8,9-HpCDF	no data	1.00E+00		protective of birds and mammals
Total HpCDF	no data	1.00E+00		protective of birds and mammals
Total OCDD	no data	1.00E+02		protective of birds and mammals
Total OCDF	no data	1.00E+02		protective of birds and mammals
PCBs/Nitroexplosives/Pesticides/Herbicides				
Aroclor 1016	2.00E-02	--		value for total PCBs
Aroclor 1221	2.00E-02	--		value for total PCBs
Aroclor 1232	2.00E-02	--		value for total PCBs
Aroclor 1242	2.00E-02	--		value for total PCBs
Aroclor 1248	2.00E-02	--		value for total PCBs
Aroclor 1254	2.00E-02	--		value for total PCBs
Aroclor 1260	2.00E-02	--		value for total PCBs
PCBs (total)	2.00E-02	--		
2,4,5-T	1.00E-01	--		value for organochlorinated pesticides
2,4,5-TP (Silvex)	1.00E-01	--		value for organochlorinated pesticides
2-Nitrotoluene	no data	no data		
3-Nitrotoluene	no data	no data		
4,4'-DDD	2.50E-03	--		
4,4'-DDE	2.50E-03	--		
4,4'-DDT	2.50E-03	--		
Aldrin	2.50E-03	--		
alpha-BHC	2.50E-03	--		

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
beta-BHC	1.00E-03	--		
Chlordane (technical)	1.00E-01	--		value for organochlorinated pesticides
delta-BHC	no data	9.94E+00	e	
Dieldrin	5.00E-04	--		
Endosulfan I	no data	1.19E-01	e	
Endosulfan II	no data	1.19E-01	e	
Endosulfan sulfate	no data	3.58E-02	e	
Endrin	1.00E-03	--		
Endrin aldehyde	no data	1.05E-02	e	
Endrin ketone	no data	1.05E-02	e	use endrin aldehyde as surrogate
gamma-BHC (Lindane)	5.00E-05	--		
Heptachlor	1.00E-01	--		value for organochlorinated pesticides
Heptachlor epoxide	no data	1.52E-01	e	
Methoxychlor	no data	1.99E-02	e	
Toxaphene	no data	1.19E-01	e	
Dalapon	1.00E-01	--		value for organochlorinated pesticides
2,4-D	1.00E-01	--		value for organochlorinated pesticides
2,4-DB	1.00E-01	--		value for organochlorinated pesticides
Dicamba	1.00E-01	--		value for organochlorinated pesticides
Dichloroprop	1.00E-01	--		value for organochlorinated pesticides
Dinoseb	1.00E-01	--		value for organochlorinated pesticides
MCPA	1.00E-01	--		value for organochlorinated pesticides
MCPP	1.00E-01	--		value for organochlorinated pesticides
1,3,5-Trinitrobenzene	no data	3.76E-01	e	
1,3-Dinitrobenzene	no data	6.55E-01	e	
2,4,6-Trinitrotoluene	no data	no data		
2,4-Dinitrotoluene	no data	1.28E+00	e	
2,6-Dinitrotoluene	no data	3.28E-02	e	
2-Amino-4,6-dinitrotoluene	no data	no data		
4-Amino-2,6-Dinitrotoluene	no data	no data		
HMX	no data	no data		
Nitrobenzene	no data	1.31E+00	e	
RDX	no data	no data		
Tetryl	no data	no data		
p-Nitrotoluene	no data	no data		
Azinphosmethyl	1.00E-01	--		value for organochlorinated pesticides
Bolstar	1.00E-01	--		value for organochlorinated pesticides
Chlorpyrifos	1.00E-01	--		value for organochlorinated pesticides
Coumaphos	1.00E-01	--		value for organochlorinated pesticides
Demeton	1.00E-01	--		value for organochlorinated pesticides
Diazinon	1.00E-01	--		value for organochlorinated pesticides
Dichlorvos	1.00E-01	--		value for organochlorinated pesticides
Dimethoate	1.00E-01	--		value for organochlorinated pesticides
Disulfoton	1.00E-01	--		value for organochlorinated pesticides
Ethoprop	1.00E-01	--		value for organochlorinated pesticides

Table 3-1

Ecological Benchmark Screening Values for Soil
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Soil	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Famphur	1.00E-01	--		value for organochlorinated pesticides
Fensulfothion	1.00E-01	--		value for organochlorinated pesticides
Fenthion	1.00E-01	--		value for organochlorinated pesticides
Malathion	1.00E-01	--		value for organochlorinated pesticides
Merphos	1.00E-01	--		value for organochlorinated pesticides
Methyl Parathion	1.00E-01	--		value for organochlorinated pesticides
Mevinphos	1.00E-01	--		value for organochlorinated pesticides
Naled	1.00E-01	--		value for organochlorinated pesticides
O,O,O-Triethyl Phosphorothioate	1.00E-01	--		value for organochlorinated pesticides
Parathion	1.00E-01	--		value for organochlorinated pesticides
Phorate	1.00E-01	--		value for organochlorinated pesticides
Ronnel	1.00E-01	--		value for organochlorinated pesticides
Stirophos	1.00E-01	--		value for organochlorinated pesticides
Sulfotep	1.00E-01	--		value for organochlorinated pesticides
Thionazin	1.00E-01	--		value for organochlorinated pesticides
Tokuthion	1.00E-01	--		value for organochlorinated pesticides
Trichloronate	1.00E-01	--		value for organochlorinated pesticides

Notes:

[a] USEPA, Region IV, 1999. Waste Management Division Soil Screening Values for Hazardous Waste Sites. Online

[b] USEPA, Region III, 1995, BTAG Screening Levels.

[c] Screening values for PCDD/PCDFs were calculated using the TEF methodology presented in:
Van den Berg, et. al., 1998. Toxic Equivalency Factors for PCBs, PCDDs, PCDFs for Humans and Wildlife. Environ. Health Perspect. 106: 775-792.

[d] Talmage, et. al., 1999. Nitroaromatic Munition Compounds: Environmental Effects and Screening Values.
Rev Environ Contam Toxicol 161:1-156.

[e] USEPA Region V Ecological Data Quality Levels (EDQL). Online. Based on the most conservative NOAELs for plants, earthworms, voles, and shrews.

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
Inorganics				
Aluminum	8.70E-02	- -		
Antimony	1.60E-01	- -		
Arsenic	1.90E-01	- -		
Barium	no data	3.90E-03	c	Tier II value
Beryllium	5.30E-04	- -		
Cadmium (water)	6.60E-04	- -		
Calcium	no data	1.16E+02	d	
Chromium VI	1.10E-02	- -		
Cobalt	no data	3.00E-03	c	Tier II value
Copper	6.54E-03	- -		
Iron	1.00E+00	- -		
Lead	1.32E-03	- -		
Magnesium	no data	8.20E+01	d	
Manganese	no data	8.00E-02	c	Tier II value
Mercury	1.20E-05	- -		
Methyl mercury	no data	3.00E-06	c	Tier II value
Molybdenum	no data	2.40E-01	c	Tier II value
Nickel	8.77E-02	- -		
Potassium	no data	5.30E+01	d	
Selenium	5.00E-03	- -		
Silver	1.20E-05	- -		
Sodium	no data	6.80E+02	d	
Thallium	4.00E-03	- -		
Vanadium	no data	1.90E-02	c	Tier II value
Zinc	5.89E-02	- -		
Cyanide	5.20E-03	- -		
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	no data	2.40E+00	b	lowest observable chronic effect level
1,1,1-Trichloroethane	5.28E-01	- -		
1,1,2,2-Tetrachloroethane	2.40E-01	- -		
1,1,2-Trichloroethane	9.40E-01	- -		
1,1-Dichloroethene	3.03E-01	- -		
1,1-Dichloroethane	no data	4.70E-02	c	Tier II value
1,1-Dichloropropene	no data	2.44E-01	f	based on protection of flora & fauna
1,2,3-Trichlorobenzene	no data	6.92E-02	h	
1,2,3-Trichloropropane	no data	1.21E-02	h	
1,2,3-Trimethylbenzene	no data	no data		
1,2,4-Trichlorobenzene	4.49E-02	- -		
1,2,4-Trimethylbenzene	no data	no data		
1,2-Dibromo-3-chloropropane	no data	1.12E-01	h	
1,2-Dibromoethane	no data	2.25E-02	h	
1,2-Dichlorobenzene	1.58E-02	- -		

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
1,2-Dichloroethane	2.00E+00	- -		
1,2-Dichloroethene (Total)	no data	3.10E-01	h	
1,2-Dichloropropane	5.25E-01	- -		
1,3,5-Trichlorobenzene	no data	5.00E-02	f	based on protection of flora & fauna
1,3,5-Trimethylbenzene	no data	no data		
1,3-Dichlorobenzene	5.02E-02	- -		
1,3-Dichloropropane	no data	5.21E-01		use 1,2-dichloropropane as surrogate
1,4-Dichlorobenzene	1.12E-02	- -		
2,2-Dichloropropane	no data	5.21E-01		use 1,2-dichloropropane as surrogate
2-Butanone (MEK)	no data	7.10E+00	h	
2-Chlorotoluene	no data	no data		
2-Hexanone (MBK)	no data	1.71E+00	h	
3-Chlorotoluene	no data	no data		
4-Chlorotoluene	no data	no data		
4-Methyl-2-pentanone (MIBK)	no data	3.68E+00	h	
Acetone	no data	7.80E+01	h	
Benzene	5.30E-02	- -		
Bromobenzene	no data	no data		
Bromochloromethane	no data	1.10E+01	f	based on protection of fauna
Bromodichloromethane	no data	1.10E+01	f	based on protection of fauna
Bromoform	2.93E-01	- -		
Bromomethane	no data	no data		
Carbon disulfide	no data	8.40E-02	h	
Carbon tetrachloide	3.52E-01	- -		
Chlorobenzene	1.95E-01	- -		
Chloroethane	no data	2.30E+02	h	
Chloroform	2.89E-01	- -		
Chloromethane (methyl chloride)	5.50E+00	- -		
cis-1,2-Dichloroethene	no data	1.16E+01	f	based on protection of flora & fauna
cis-1,3-Dichloropropene	2.44E-02	- -		
Dibromochloromethane	no data	6.40E+00	h	
Dibromomethane	no data	2.25E-02	h	
Dichlorodifluoromethane	no data	1.10E+01	f	based on protection of flora & fauna
Ethyl benzene	4.53E-01	- -		
Hexachlorobutadiene	9.30E-04	- -		
Isopropylbenzene (cumene)	no data	no data		
m,p-Xylene	no data	1.17E-01	h	value for total xylenes
Methylene chloride	1.93E+00	- -		
Naphthalene	6.20E-02	- -		
n-Butylbenzene	no data	no data		
n-Propylbenzene	no data	no data		
o-Xylene	no data	1.17E-01	h	value for total xylenes
p-Isopropyltoluene (p-cymene)	no data	no data		
sec-Butylbenzene	no data	no data		

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
Styrene	no data	5.60E-02	h	
tert-Butylbenzene	no data	no data		
Tetrachloroethene	8.40E-02	- -		
Toluene	1.75E-01	- -		
trans-1,2-Dichloroethene	1.35E+00	- -		
trans-1,3-Dichloropropene	2.44E-02	- -		
Trichloroethene	no data	2.19E+01	b	lowest observable chronic effect level
Trichlorofluoromethane	no data	1.10E+01	f	based on protection of flora & fauna
Vinyl chloride	no data	9.20E-03	h	
Xylenes (total)	no data	1.17E-01	h	value for total xylenes
Semivolatile Organic Compounds (SVOCs)				
1,2,4-Trichlorobenzene	4.49E-02	- -		
1,2-Dichlorobenzene	1.58E-02	- -		
1,3-Dichlorobenzene	5.02E-02	- -		
1,4-Dichlorobenzene	1.12E-02	- -		
2,4,5-Trichlorophenol	no data	6.30E-02	b	proposed chronic effect criterion
2,4,6-Trichlorophenol	3.20E-03	- -		
2,4-Dichlorophenol	3.65E-02	- -		
2,4-Dimethylphenol	2.12E-02	- -		
2,4-Dinitrophenol	6.20E-03	- -		
2,4-Dinitrotoluene	3.10E-01	- -		
2,6-Dichlorophenol	no data	3.65E-02		use 2,4-dichlorophenol as surrogate
2,6-Dinitrotoluene	no data	4.20E-02	h	
2-Chloronaphthalene	no data	3.96E-04	h	
2-Chlorophenol	4.38E-02	- -		
2-Methylnaphthalene	no data	3.30E-01	h	
2-Methylphenol (o-cresol)	no data	4.89E-01	d	
2-Nitroaniline	no data	no data		
2-Nitrophenol	3.50E+00	- -		
3,3'-Dichlorobenzidine	no data	9.98E-02	h	
3-Nitroaniline	no data	no data		
4,6-Dinitro-2-methylphenol	no data	no data		
4-Bromophenyl-phenylether	no data	1.50E-03	h	
4-Chloro-3-methylphenol	3.00E-04	- -		
4-Chloroaniline	no data	5.00E-02	b	lowest observable chronic effect level
4-Chlorophenyl-phenylether	no data	no data		
4-Methylphenol (p-cresol)	no data	4.89E-01		use 2-methylphenol as surrogate
4-Nitroaniline	no data	no data		
4-Nitrophenol	8.28E-02	- -		
Acenaphthene	1.70E-02	- -		
Acenaphthylene	no data	4.84E+00	h	
Anthracene	no data	2.90E-05	h	
Benzo(a)anthracene	no data	8.39E-04	h	

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
Benzo(a)pyrene	no data	1.40E-05	h	
Benzo(b)fluoranthene	no data	9.07E-03	h	
Benzo(g,h,i)perylene	no data	7.64E-03	h	
Benzo(k)fluoranthene	no data	5.60E-06	h	
bis(2-Chloroethoxy)methane	no data	1.10E+01	f	based on protection of flora & fauna
bis(2-Chloroethyl)ether	2.38E+00	- -		
bis(2-Chloroisopropyl)ether	no data	no data		
bis(2-Ethylhexyl)phthalate	3.00E-04	- -		
Butyl benzyl phthalate	2.20E-02	- -		
Carbazole	no data	no data		
Chrysene	no data	3.30E-05	h	
Dibenzo(a,h)anthracene	no data	1.60E-06	h	
Dibenzofuran	no data	2.00E-02	h	
Diethyl phthalate	5.21E-01	- -		
Dimethylphthalate	3.30E-01	- -		
Di-n-butyl phthalate	9.40E-03	- -		
Di-n-octyl phthalate	no data	3.00E-02	h	
Fluoranthene	3.98E-02	- -		
Fluorene	no data	3.90E-03	h	
Hexachlorobenzene	no data	3.68E-03	b	proposed chronic effect criterion
Hexachlorobutadiene	9.30E-04	- -		
Hexachlorocyclopentadiene	7.00E-05	- -		
Hexachloroethane	9.80E-03	- -		
Indeno(1,2,3-cd)pyrene	no data	4.31E-03	h	
Isophorone	1.17E+00	- -		
Naphthalene	6.20E-02	- -		
Nitrobenzene	2.70E-01	- -		
N-Nitroso-di-n-propylamine	no data	no data		
N-Nitrosodiphenylamine	5.85E-02	- -		
Pentachlorophenol	1.30E-02	- -		
Phenanthrene	no data	6.30E-03	b	proposed chronic effect criterion
Phenol	2.56E-01	- -		
Pyrene	no data	3.00E-04	h	
Propane, 2,2'-Oxybis[1-Chloro-	no data	no data		
Dioxins and Furans [e]				
2,3,7,8-TCDD	1.00E-08	- -		
Total TCDD	1.00E-08	- -		
2,3,7,8-TCDF	1.00E-08	- -		protective of fish, birds, and mammals
Total TCDF	1.00E-08	- -		protective of fish, birds, and mammals
1,2,3,7,8-PeCDD	1.00E-08	- -		protective of fish, birds, and mammals
Total PeCDD	1.00E-08	- -		protective of fish, birds, and mammals
1,2,3,7,8-PeCDF	1.00E-07	- -		protective of fish, birds, and mammals

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
2,3,4,7,8-PeCDF	1.00E-08	--		protective of fish, birds, and mammals
Total PeCDF	1.00E-08	--		protective of fish, birds, and mammals
1,2,3,4,7,8-HxCDD	2.00E-08	--		protective of fish, birds, and mammals
1,2,3,6,7,8-HxCDD	1.00E-07	--		protective of fish, birds, and mammals
1,2,3,7,8,9-HxCDD	1.00E-07	--		protective of fish, birds, and mammals
Total HxCDD	2.00E-08	--		protective of fish, birds, and mammals
1,2,3,4,7,8-HxCDF	1.00E-07	--		protective of fish, birds, and mammals
1,2,3,6,7,8-HxCDF	1.00E-07	--		protective of fish, birds, and mammals
1,2,3,7,8,9-HxCDF	1.00E-07	--		protective of fish, birds, and mammals
2,3,4,6,7,8-HxCDF	1.00E-07	--		protective of fish, birds, and mammals
Total HxCDF	1.00E-07	--		protective of fish, birds, and mammals
1,2,3,4,6,7,8-HpCDD	1.00E-06	--		protective of fish, birds, and mammals
Total HpCDD	1.00E-06	--		protective of fish, birds, and mammals
1,2,3,4,6,7,8-HpCDF	1.00E-06	--		protective of fish, birds, and mammals
1,2,3,4,7,8,9-HpCDF	1.00E-06	--		protective of fish, birds, and mammals
Total HpCDF	1.00E-06	--		protective of fish, birds, and mammals
Total OCDD	1.00E-04	--		protective of fish, birds, and mammals
Total OCDF	1.00E-04	--		protective of fish, birds, and mammals
PCBs/Nitroexplosives/Pesticides/Herbicides				
Aroclor 1016	1.40E-05	--		
Aroclor 1221	1.40E-05	--		
Aroclor 1232	1.40E-05	--		
Aroclor 1242	1.40E-05	--		
Aroclor 1248	1.40E-05	--		
Aroclor 1254	1.40E-05	--		
Aroclor 1260	1.40E-05	--		
PCBs (water)	1.40E-05	--		
2,4,5-T	no data	no data		
2,4,5-TP (Silvex)	no data	3.27E-01	h	
2-Nitrotoluene	no data	no data		
4,4'-DDD	6.40E-06	--		
4,4'-DDE	1.05E-02	--		
4,4'-DDT	1.00E-06	--		
Aldrin	3.00E-04	--		
alpha-BHC	5.00E+00	--		
beta-BHC	5.00E+01	--		
Chlordane	4.30E-06	--		
delta-BHC	no data	6.67E-01	h	
Dieldrin	1.90E-06	--		
Endosulfan I	5.60E-05	--		
Endosulfan II	5.60E-05	--		
Endosulfan sulfate	no data	2.22E-03	h	
Endrin	2.30E-06	--		

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
Endrin aldehyde	no data	1.50E-04	h	
Endrin ketone	no data	1.50E-04	h	use endrin aldehyde as surrogate
gamma-BHC (Lindane)	8.00E-05	--		
Heptachlor	3.80E-06	--		
Heptachlor Epoxide	3.80E-06	--		
Methoxychlor	3.00E-05	--		
Toxaphene	2.00E-07	--		
Dalapon	no data	no data		
2,4-D	no data	no data		
2,4-DB	no data	no data		
Dicamba	no data	no data		
Dichloroprop	no data	no data		
Dinoseb	no data	3.90E-04	h	
MCPA	no data	no data		
MCPP	no data	no data		
1,3,5-Trinitrobenzene	no data	1.10E-02	g	secondary chronic value
1,3-Dinitrobenzene	no data	2.00E-02	g	secondary chronic value
2,4,6-Trinitrotoluene	no data	9.00E-02	g	
2,4-Dinitrotoluene	no data	2.30E-01	h	
2,6-Dinitrotoluene	no data	4.20E-02	h	
2-Amino-4,6-dinitrotoluene	no data	2.00E-02	g	secondary chronic value
3-Nitrotoluene	no data	no data		
4-Amino-2,6-Dinitrotoluene	no data	no data		
HMX	no data	3.30E-01	g	secondary chronic value
Nitrobenzene	no data	7.40E-01	h	
RDX	no data	1.90E-01	g	secondary chronic value
Tetryl	no data	no data		
p-Nitrotoluene	no data	no data		
Azinphosmethyl	no data	no data		
Bolstar	no data	no data		
Chlorpyrifos	4.10E-05	--		
Coumaphos	no data	no data		
Demeton	1.00E-04	--		
Diazinon	no data	4.30E-05	c	final chronic value
Dichlorvos	no data	no data		
Dimethoate	no data	4.12E-02	h	
Disulfoton	no data	4.02E-05	h	
Ethoprop	no data	no data		
Famphur	no data	no data		
Fensulfothion	no data	no data		
Fenthion	no data	no data		
Malathion	1.00E-04	--		
Merphos	no data	no data		
Methyl Parathion	1.30E-05	--		value for parathion mixture

Table 3-2

Ecological Benchmark Screening Values for Surface Water
Fort McClellan, Anniston, Alabama

Constituents Analyzed For In Surface Water	USEPA Region IV Eco. Screening Values [a] (mg/L)	Supplemental Eco. Screening Values (mg/L)	Ref.	Notes
Mevinphos	no data	no data		
Naled	no data	no data		
O,O,O-Triethyl Phosphorothioate	no data	no data		
Parathion	1.30E-05	- -		
Phorate	no data	3.62E-03	h	
Ronnel	no data	no data		
Stirophos	no data	no data		
Sulfotep	no data	no data		
Thionazin	no data	no data		
Tokuthion	no data	no data		
Trichloronate	no data	no data		

Notes:

[a] USEPA, Region IV, 1999. Waste Management Division Freshwater Surface Water Chronic Screening Values for Hazardous Waste Sites. Online

[b] NOAA, 1999. Screening Quick Reference Tables. Freshwater chronic ambient water quality criteria.

[c] OSWER Ecotox Thresholds. Presented in: ECO Update, January, 1996. EPA 540/F-95/038.

[d] Lowest chronic value for all species tested. Referenced from:
Suter and Tsao, 1996. Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision.

[e] Screening values for PCDD/PCDFs were calculated using the TEF methodology presented in:
Van den Berg, et. al., 1998. Toxic Equivalency Factors for PCBs, PCDDs, PCDFs for Humans and Wildlife. Environ. Health Perspect. 106: 775-792.

[f] USEPA Region III, 1995, BTAG Ecological Screening Value

[g] Talmage, et. al., 1999. Nitroaromatic Munition Compounds: Environmental Effects and Screening Values.
Rev Environ Contam Toxicol 161:1-156.

[h] USEPA Region V Ecological Data Quality Levels (EDQL). Online. Based on the most conservative NOAELs for mink and kingfishers.

Table 3-3

Ecological Benchmark Screening Values for Sediment
Fort McClellan, Anniston, Alabama

Constituents Analyzed for In Sediment	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Inorganics				
Aluminum	no data	no data		
Antimony	1.20E+01	- -		
Arsenic	7.24E+00	- -		
Barium	no data	no data		
Beryllium	no data	no data		
Cadmium	1.00E+00	- -		
Calcium	no data	no data		
Chromium	5.23E+01	- -		
Cobalt	no data	5.00E+01	k	
Copper	1.87E+01	- -		
Iron	no data	no data		
Lead	3.02E+01	- -		
Magnesium	no data	no data		
Manganese	no data	no data		
Mercury	1.30E-01	- -		
Methyl mercury	no data	2.45E-05	k	
Molybdenum	no data	no data		
Nickel	1.59E+01	- -		
Potassium	no data	no data		
Selenium	no data	no data		
Silver	2.00E+00	- -		
Sodium	no data	no data		
Thallium	no data	no data		
Vanadium	no data	no data		
Zinc	1.24E+02	- -		
Cyanide	no data	no data		
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	no data	1.09E-02	k	
1,1,1-Trichloroethane	no data	1.70E-01	d	
1,1,2,2-Tetrachloroethane	no data	9.40E-01	d	
1,1,2-Trichloroethane	no data	6.74E-01	k	
1,1-Dichloroethane	no data	5.75E-04	k	
1,1-Dichloropropene	no data	2.96E-03	k	value for cis-1,3-dichloropropene
1,2,3-Trichlorobenzene	no data	6.40E-02	e	use 1,2,4-trichlorobenzene as surrogate
1,2,3-Trichloropropane	no data	8.35E-03	k	
1,2,3-Trimethylbenzene	no data	no data		
1,2,4-Trichlorobenzene	no data	6.40E-02	e	
1,2,4-Trimethylbenzene	no data	no data		
1,2-Dibromo-3-chloropropane	no data	2.00E-02	k	
1,2-Dibromoethane	no data	1.24E-02	k	
1,2-Dichlorobenzene	no data	5.00E-02	e	
1,2-Dichloroethane	no data	5.42E-02	k	
1,2-Dichloroethene (Total)	no data	2.09E-01	k	
1,2-Dichloropropane	no data	3.52E-01	k	
1,3,5-Trichlorobenzene	no data	6.40E-02	e	use 1,2,4-trichlorobenzene as surrogate
1,3,5-Trimethylbenzene	no data	no data		
1,3-Dichlorobenzene	no data	1.70E-01	e	
1,3-Dichloropropane	no data	3.52E-01	k	value for 1,2-dichloropropane

Table 3-3

Ecological Benchmark Screening Values for Sediment
Fort McClellan, Anniston, Alabama

Constituents Analyzed for in Sediment	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
1,4-Dichlorobenzene	no data	1.20E-01	e	
2,2-Dichloropropane	no data	3.52E-01	k	value for 1,2-dichloropropane
2-Butanone	no data	1.37E-01	k	
2-Chlorotoluene	no data	no data		
2-Hexanone	no data	1.01E+00	k	
3-Chlorotoluene	no data	no data		
4-Chlorotoluene	no data	no data		
4-methyl-2-Pentanone (MIBK)	no data	5.44E-01	k	
Acetone	no data	4.53E-01	k	
Benzene	no data	5.70E-02	d	
Bromobenzene	no data	no data		
Bromochloromethane	no data	no data		
Bromodichloromethane	no data	1.13E-03	k	
Bromoform	no data	9.96E-01	k	
Bromomethane	no data	no data		
Carbon disulfide	no data	1.34E-01	k	
Carbon tetrachloride	no data	3.57E-02	k	
Chlorobenzene	no data	6.19E-02	k	
Chloroethane	no data	5.86E+01	k	
Chloroform	no data	2.70E-02	k	
Chloromethane (methyl chloride)	no data	7.85E-05	k	
cis-1,2-Dichloroethene	no data	2.09E-01	k	use trans-1,2-dichloroethene as surrogate
cis-1,3-Dichloropropene	no data	2.96E-03	k	
Dibromochloromethane	no data	2.68E-01	k	
Dibromomethane	no data	1.24E-02	k	
Dichlorodifluoromethane	no data	1.33E-03	k	
Ethyl benzene	no data	3.60E+00	d	
Hexachlorobutadiene	no data	1.38E+00	k	
Isopropylbenzene (cumene)	no data	no data		
m,p-Xylene	no data	2.50E-02	d	value for m-xylene
Methylene chloride	no data	1.26E+00	k	
Naphthalene	no data	3.46E-02	k	
n-Butylbenzene	no data	no data		
n-Propylbenzene	no data	no data		
o-Xylene	no data	1.88E+00	k	value for total xylenes
p-Isopropyltoluene (p-cymene)	no data	no data		
sec-Butylbenzene	no data	no data		
Styrene	no data	4.45E-01	k	
tert-Butylbenzene	no data	no data		
Tetrachloroethene	no data	1.96E-01	k	
Toluene	no data	6.70E-01	d	
trans-1,2-Dichloroethene	no data	2.09E-01	k	
trans-1,3-Dichloropropene	no data	2.96E-03	k	
Trichloroethene	no data	1.80E-01	k	
Trichlorofluoromethane	no data	3.07E-03	k	
Vinyl chloride	no data	2.00E-03	k	
Xylenes (total)	no data	1.88E+00	k	value for total xylenes
1,1-Dichloroethene	no data	2.33E-02	k	
Dibromochloromethane	no data	2.68E-01	k	

Table 3-3

Ecological Benchmark Screening Values for Sediment
Fort McClellan, Anniston, Alabama

Constituents Analyzed for In Sediment	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Semivolatile Organic Compounds (SVOCs)				
1,2,4-Trichlorobenzene	no data	6.40E-02	e	
1,2-Dichlorobenzene	no data	5.00E-02	e	
1,3-Dichlorobenzene	no data	1.70E-01	e	
1,4-Dichlorobenzene	no data	1.20E-01	e	
2,4,5-Trichlorophenol	no data	8.56E-02	k	
2,4,6-Trichlorophenol	no data	8.48E-02	k	
2,4-Dichlorophenol	no data	1.34E-01	k	
2,4-Dimethylphenol	no data	3.05E-01	k	
2,4-Dinitrophenol	no data	1.33E-03	k	
2,4-Dinitrotoluene	no data	7.51E-02	k	
2,6-Dichlorophenol	no data	3.94E-03	k	
2,6-Dinitrotoluene	no data	2.06E-02	k	
2-Chloronaphthalene	no data	4.17E-01	k	
2-Chlorophenol	no data	1.17E-02	k	
2-Methylnaphthalene	3.30E-01	- -		
2-Methylphenol (o-cresol)	no data	6.30E-02	f	based on protection of flora & fauna
2-Nitroaniline	no data	2.00E-04	k	
2-Nitrophenol	no data	7.77E-03	k	
3,3'-Dichlorobenzidine	no data	2.82E-02	k	
3-Nitroaniline	no data	2.00E-04	k	
4,6-Dinitro-2-methylphenol	no data	no data		
4-Bromophenyl-phenylether	no data	1.55E+00	k	
4-Chloro-3-methylphenol	no data	no data		
4-Chloroaniline	no data	1.46E-01	k	
4-Chlorophenyl-phenylether	no data	6.56E-01	k	
4-Methylphenol (p-cresol)	no data	6.70E-01	f	based on protection of flora & fauna
4-Nitroaniline	no data	2.00E-04	k	
4-Nitrophenol	no data	7.78E-03	k	
Acenaphthene	3.30E-01	- -		
Acenaphthylene	3.30E-01	- -		
Anthracene	3.30E-01	- -		
Benzo(a)anthracene	3.30E-01	- -		
Benzo(a)pyrene	3.30E-01	- -		
Benzo(b)fluoranthene	6.55E-01	- -		value for high molecular weight PAHs
Benzo(g,h,i)perylene	6.55E-01	- -		value for high molecular weight PAHs
Benzo(k)fluoranthene	6.55E-01	- -		value for high molecular weight PAHs
Benzoic acid	no data	6.50E-01	f	based on protection of flora & fauna
bis(2-Chloroethoxy)methane	no data	no data		
bis(2-Chloroethyl)ether	no data	2.12E-01	k	
bis(2-Chloroisopropyl)ether	no data	no data		
bis(2-Ethylhexyl)phthalate	1.82E-01	- -		
Butyl benzyl phthalate	no data	4.19E+00	k	
Carbazole	no data	no data		
Chrysene	3.30E-01	- -		
Dibenzo(a,h)anthracene	3.30E-01	- -		
Dibenzofuran	no data	1.52E+00	k	
Diethyl phthalate	no data	8.04E-03	k	
Dimethylphthalate	no data	2.50E-02	k	

Table 3-3

Ecological Benchmark Screening Values for Sediment
Fort McClellan, Anniston, Alabama

Constituents Analyzed for In Sediment	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Di-n-butylphthalate	no data	1.11E-01	k	
Di-n-octylphthalate	no data	4.06E+01	k	
Fluoranthene	3.30E-01	- -		
Fluorene	3.30E-01	- -		
Hexachlorobenzene	no data	2.00E-02	k	
Hexachlorobutadiene	no data	1.38E+00	k	
Hexachlorocyclopentadiene	no data	9.01E-01	k	
Hexachloroethane	no data	2.23E+00	k	
Indeno(1,2,3-cd)pyrene	6.55E-01	- -		value for high molecular weight PAHs
Isophorone	no data	4.22E-01	k	
Naphthalene	3.30E-01	- -		
Nitrobenzene	no data	4.88E-01	k	
n-Nitroso-di-n-propylamine	no data	no data		
n-Nitrosodiphenylamine	no data	1.55E-01	k	
Pentachlorophenol	no data	6.90E-01	e	
Phenanthrene	3.30E-01	- -		
Phenol	no data	2.73E-02	k	
Pyrene	3.30E-01	- -		
Propane, 2,2'-Oxybis[1-Chloro-	no data	no data		
Dioxins and Furans [g]				
2,3,7,8-TCDD	2.50E-06	- -		
Total TCDD	2.50E-06	- -		use 2,3,7,8-TCDD as surrogate
2,3,7,8-TCDF	2.50E-06	- -		protective of fish, birds, mammals
Total TCDF	2.50E-06	- -		protective of fish, birds, mammals
1,2,3,7,8-PeCDD	2.50E-06	- -		protective of fish, birds, mammals
Total PeCDD	2.50E-06	- -		protective of fish, birds, mammals
1,2,3,7,8-PeCDF	2.50E-05	- -		protective of fish, birds, mammals
2,3,4,7,8-PeCDF	2.50E-06	- -		protective of fish, birds, mammals
Total PeCDF	2.50E-06	- -		protective of fish, birds, mammals
1,2,3,4,7,8-HxCDD	2.50E-05	- -		protective of fish, birds, mammals
1,2,3,6,7,8-HxCDD	2.50E-05	- -		protective of fish, birds, mammals
1,2,3,7,8,9-HxCDD	2.50E-05	- -		protective of fish, birds, mammals
Total HxCDD	2.50E-05	- -		protective of fish, birds, mammals
1,2,3,4,7,8-HxCDF	2.50E-05	- -		protective of fish, birds, mammals
1,2,3,6,7,8-HxCDF	2.50E-05	- -		protective of fish, birds, mammals
1,2,3,7,8,9-HxCDF	2.50E-05	- -		protective of fish, birds, mammals
2,3,4,6,7,8-HxCDF	2.50E-05	- -		protective of fish, birds, mammals
Total HxCDF	2.50E-05	- -		protective of fish, birds, mammals
1,2,3,4,6,7,8-HpCDD	2.50E-04	- -		protective of fish, birds, mammals
Total HpCDD	2.50E-04	- -		protective of fish, birds, mammals
1,2,3,4,6,7,8-HpCDF	2.50E-04	- -		protective of fish, birds, mammals
1,2,3,4,7,8,9-HpCDF	2.50E-04	- -		protective of fish, birds, mammals
Total HpCDF	2.50E-04	- -		protective of fish, birds, mammals
Total OCDD	2.50E-02	- -		protective of fish, birds, mammals
Total OCDF	2.50E-02	- -		protective of fish, birds, mammals

Table 3-3

Ecological Benchmark Screening Values for Sediment
Fort McClellan, Anniston, Alabama

Constituents Analyzed for In Sediment	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
PCBs/Nitroexplosives/Pesticides/Herbicides				
Aroclor 1016	no data	3.30E-02		value for total PCBs
Aroclor 1221	6.70E-02	- -		
Aroclor 1232	no data	3.30E-02		value for total PCBs
Aroclor 1242	no data	3.30E-02		value for total PCBs
Aroclor 1248	no data	3.30E-02		value for total PCBs
Aroclor 1254	no data	3.30E-02		value for total PCBs
Aroclor 1260	no data	3.30E-02		value for total PCBs
PCBs (solid media, food chain)	3.30E-02	- -		
2,4,5-T	no data	no data		
2,4,5-TP (Silvex)	no data	7.35E+00	k	
2-Nitrotoluene	no data	no data		
3-Nitrotoluene	no data	no data		
4,4'-DDD	3.30E-03	- -		
4,4'-DDE	3.30E-03	- -		
4,4'-DDT	3.30E-03	- -		
Aldrin	no data	2.00E-03	k	
alpha-BHC	no data	6.00E-03	k	
beta-BHC	no data	5.00E-03	k	
Chlordane (technical)	1.70E-03	- -		
delta-BHC	no data	7.15E+01	k	
Dieldrin	3.30E-03	- -		
Endosulfan I	no data	1.75E-04	k	
Endosulfan II	no data	1.04E-04	k	
Endosulfan sulfate	no data	3.46E-02	k	
Endrin	3.30E-03	- -		
Endrin aldehyde	no data	3.20E+00	k	
Endrin ketone	no data	3.20E+00	k	use endrin aldehyde as surrogate
gamma-BHC (Lindane)	3.30E-03	- -		
Heptachlor	no data	6.00E-04	k	
Heptachlor epoxide	no data	6.00E-04	b	
Methoxychlor	no data	3.59E-03	k	
Toxaphene	no data	1.09E-04	k	
Dalapon	no data	no data		
2,4-D	no data	no data		
2,4-DB	no data	no data		
Dicamba	no data	no data		
Dichloroprop	no data	no data		
Dinoseb	no data	1.18E-02	k	
MCPA	no data	no data		
MCPP	no data	no data		
1,3,5-Trinitrobenzene	no data	2.40E-03	h	
1,3-Dinitrobenzene	no data	6.70E-03	h	
2,4,6-Trinitrotoluene	no data	9.20E-02	h	
2,4-Dinitrotoluene	no data	7.51E-02	k	
2,6-Dinitrotoluene	no data	2.06E-02	k	
2-Amino-4,6-dinitrotoluene	no data	no data		
4-Amino-2,6-Dinitrotoluene	no data	no data		
HMX	no data	4.70E-03	h	

Table 3-3

Ecological Benchmark Screening Values for Sediment
Fort McClellan, Anniston, Alabama

Constituents Analyzed for In Sediment	USEPA Region IV Eco. Screening Values [a] (mg/kg)	Supplemental Eco. Screening Values (mg/kg)	Ref.	Notes
Nitrobenzene	no data	4.88E-01	k	
RDX	no data	1.30E-02	h	
Tetryl	no data	no data		
p-Nitrotoluene	no data	no data		
Azinphosmethyl	no data	no data		
Bolstar	no data	no data		
Chlorpyrifos	no data	no data		
Coumaphos	no data	no data		
Demeton	no data	no data		
Diazinon	no data	1.90E-03	d	
Dichlorvos	no data	no data		
Dimethoate	no data	1.90E-01	k	
Disulfoton	no data	3.24E-01	k	
Ethoprop	no data	no data		
Famphur	no data	1.78E-03	k	
Fensulfothion	no data	no data		
Fenthion	no data	no data		
Malathion	no data	no data		
Merphos	no data	no data		
Methyl Parathion	no data	7.55E-04	k	
Mevinphos	no data	no data		
Naled	no data	no data		
Parathion	no data	3.40E-04	k	
Phorate	no data	8.61E-04	k	
Ronnel	no data	no data		
Stirophos	no data	no data		
Sulfotep	no data	no data		
Thionazin	no data	no data		
Tokuthion	no data	no data		
Trichloronate	no data	no data		

Notes:

[a] USEPA, Region IV, 1999. Waste Management Division Sediment Screening Values for Hazardous Waste Sites. Online

[b] NOAA, 1999. Screening Quick Reference Tables. Threshold Effects Level (TEL) for freshwater sediments.

[c] Ontario Ministry of the Environment, 1992. Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario. Lowest Effect Level.

[d] OSWER Ecotox Thresholds. Presented in: ECO Update, January, 1996. EPA 540/F-95/038.

[e] Barrick, R., S. Becker, L. Brown, H. Beller, and R. Pastorok, 1988. Sediment Quality Values Refinement: 1988 Update and Evaluation of Puget Sound AET. Vol. 1. Prepared for the Puget Sound Estuary Program, Office of Puget Sound.

[f] USEPA Region III, 1995. BTAG Ecological Screening Value.

[g] Screening values for PCDD/PCDFs were calculated using the TEF methodology presented in: Van den Berg, et. al., 1998. Toxic Equivalency Factors for PCBs, PCDDs, PCDFs for Humans and Wildlife. Environ. Health Perspect. 106: 775-792.

[h] Talmage, et. al., 1999. Nitroaromatic Munition Compounds: Environmental Effects and Screening Values. Rev Environ Contam Toxicol 161:1-156.

[k] USEPA Region V Ecological Data Quality Levels (EDQL). Online. Based on the most conservative NOAELs for plants, earthworms, voles, and shrews.

4.0 PAH Background Screening Levels

4.1 Objective

The *Final Minutes from Conference Call on 2/4/00, 11:00 am* summarizes the consensus strategy to which the FTMC BRAC Cleanup Team (BCT) agreed in order to adequately address the occurrence of PAH compounds in surface soil on the installation. During this call, the BCT determined that background screening values for PAH compounds in surface soils were necessary to adequately address sites where anthropogenic activities have resulted in PAH values that exceed human health and ecological screening values. This chapter presents the criteria the BCT used to develop the PAH background screening values that IT will use in risk assessments for parcels at FTMC. The background screening values for soil beneath asphalt and soil adjacent to asphalt are presented in Tables 4-1 and 4-2, respectively.

4.2 Selection of Parcels Representing Anthropogenic Conditions

The first step in the development of anthropogenic background PAH values was to evaluate which parcels should be considered representative of anthropogenic activity. At the BCT's direction, IT evaluated existing PAH data from 61 parcels at FTMC. The data were further screened to identify data from 18 parcels where the BCT determined that anthropogenic activity resulted in the presence of PAH compounds. Table 4-3 shows this extensive data set. Using this table and site knowledge, the BCT decided that data from the 18 parcels would be used to determine the PAH anthropogenic background screening values. This selection process included parcels with some asphalt-covered area(s) to reflect anthropogenic activity and excluded areas where PAH contamination was known or suspected to be present as a result of Army operations or environmental releases (non-anthropogenic activity).

4.3 Sample Location Review and Selection

The next step in the development of the PAH background values was to further sort the PAH soil data from the 18 parcels representing anthropogenic activity. The BCT determined that PAH background screening values should be developed for two categories: the first category reflecting samples collected directly beneath asphalt and the second category reflecting other anthropogenic sample locations, but specifically not beneath asphalt (i.e., adjacent to asphalt). Based on these considerations, IT extracted surface soil and depositional soil PAH data from FTMC's database for the 18 selected parcels, as presented in Table 4-4.

The Table 4-4 data are sorted by sample type to segregate depositional soil from surface soil locations. Depositional soil samples are, by definition, not collected from beneath asphalt, so for

purposes of categorization, depositional soil samples are in the second category. These samples were included in Table 4-5 for further consideration.

Surface soil samples, however, required further sorting, since some of the samples were collected from directly beneath asphalt and some were collected from locations adjacent to asphalt. The Table 4-4, "Asphalt Location" column reflects the comments of the IT field personnel who characterized the sample as either coming from directly beneath asphalt or adjacent to asphalt. Based on this information, the surface soil data were then further sorted into either asphalt or non-asphalt locations.

The Table 4-5, "Use/No Use" column was filled in using the comments of the IT field sampling personnel. They described the non-asphalt surface soil locations and identified them as potentially biased high or low due to the factors outlined above (i.e., near a known or suspected contamination source, under concrete, upgradient or far away from asphalt surfaces, etc.). If the sample locations were characterized as possibly biased high or low, the column was filled in with "No" and these sample results were excluded from further consideration as background. This information was then transferred into Table 4-4 for further processing.

4.4 Data Sorting and Summary Statistic Calculations

Table 4-6 was prepared from the information presented in Table 4-4 by simply sorting and segregating the asphalt sample locations. Likewise, Table 4-7 was prepared from the information presented in Table 4-4 by segregating the non-asphalt sample locations. The results in both tables were then sorted by parameter, whether the result was above or below the method detection limit (MDL), and by concentration in decreasing order. Summary statistics were calculated for each parameter including total number of results, the detection frequency (how many results were above and below the MDL), the range of results (both above and below the MDL), and the arithmetic mean of the values (both above and below the MDL). The analytical value for each detected chemical was adopted as the concentration for that chemical. Values that were below the MDL were assumed to be present at one half of the laboratory reporting limit. Ultimately, the arithmetic means for the values both above and below the MDL were combined in the "Overall Mean" result.

Tables 4-1 and 4-2 display the summary statistics (from Tables 4-6 and 4-7, respectively) for each parameter and present the PAH background screening criteria that IT proposes to use for surface soil samples collected beneath asphalt and depositional soil/surface soil samples not collected from beneath asphalt.

Table 4-1

PAH Background Screening Criteria for Soil Beneath Asphalt
Fort McClellan, Calhoun County, Alabama

Parameter	No. of Samples	Data Distribution			Concentration (mg/kg)				Bkg. Screening Criterion [3]
					Data Range		Arith. Mean	Overall [2] Arith. Mean	
		Criteria[1]	Number	Percent	Maximum	Minimum			
Acenaphthene	166	>MDL:	29	17%	12.000	0.049	1.434	**0.607**	**1.213**
		<MDL:	137	83%	4.450	0.170	0.431		
Acenaphthylene	166	>MDL:	85	51%	7.300	0.040	0.765	**0.587**	**1.174**
		<MDL:	81	49%	4.450	0.170	0.400		
Anthracene	166	>MDL:	92	55%	17.000	0.035	1.557	**1.052**	**2.104**
		<MDL:	74	45%	4.450	0.170	0.424		
Benzo(a)anthracene	166	>MDL:	111	67%	20.000	0.033	2.102	**1.563**	**3.126**
		<MDL:	55	33%	4.450	0.175	0.477		
Benzo(a)pyrene	166	>MDL:	117	70%	21.000	0.030	2.041	**1.580**	**3.161**
		<MDL:	49	30%	4.450	0.175	0.480		
Benzo(b)fluoranthene	166	>MDL:	121	73%	28.000	0.032	2.488	**1.950**	**3.900**
		<MDL:	45	27%	4.450	0.175	0.504		
Benzo(ghi)perylene	166	>MDL:	103	62%	8.600	0.034	1.043	**0.818**	**1.636**
		<MDL:	63	38%	4.450	0.175	0.451		
Benzo(k)fluoranthene	166	>MDL:	111	67%	17.000	0.045	1.794	**1.359**	**2.718**
		<MDL:	55	33%	4.450	0.175	0.482		
Chrysene	166	>MDL:	119	72%	27.000	0.038	2.116	**1.665**	**3.330**
		<MDL:	47	28%	4.450	0.175	0.522		
Dibenz(a,h)anthracene	166	>MDL:	83	50%	4.700	0.035	0.508	**0.495**	**0.990**
		<MDL:	83	50%	7.000	0.170	0.482		
Fluoranthene	166	>MDL:	123	74%	57.000	0.026	4.643	**3.578**	**7.156**
		<MDL:	43	26%	4.450	0.175	0.530		
Fluorene	166	>MDL:	38	23%	16.000	0.047	2.699	**0.942**	**1.885**
		<MDL:	128	77%	4.450	0.170	0.421		
Indeno(1,2,3-cd)pyrene	166	>MDL:	107	64%	9.600	0.033	1.079	**0.862**	**1.724**
		<MDL:	59	36%	4.450	0.175	0.469		
Naphthalene	166	>MDL:	41	25%	61.000	0.001	1.676	**0.416**	**0.832**
		<MDL:	125	75%	0.004	0.003	0.003		
Phenanthrene	166	>MDL:	96	58%	67.000	0.037	4.390	**2.729**	**5.458**
		<MDL:	70	42%	4.450	0.175	0.451		
Pyrene	166	>MDL:	128	77%	45.000	0.037	3.458	**2.788**	**5.576**
		<MDL:	38	23%	4.450	0.175	0.532		

[1] **>MDL** - result was greater than the method detection limit (MDL) and should be considered a detected value. This includes estimated, "J" qualified values that were between the laboratory reporting limit (RL) and the MDL.
<MDL - result was less than the MDL, and was reported as a "non-detected" value less than the RL. For this evaluation, 1/2 of the RL was used to calculate range and mean.

[2] The overall arithmetic mean incorporates all detected values above the MDL and uses 1/2 of the laboratory RL for all values that were not detected.

[3] The background screening criterion is equal to 2x the overall arithmetic mean.

Table 4-2

PAH Background Screening Criteria for Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Parameter	No. of Samples	Data Distribution Criteria[1]	Number	Percent	Concentration (mg/kg) Data Range Maximum	Minimum	Arith. Mean	Overall[2] Arith. Mean	Bkg. Screening Criterion[3]
Acenaphthene	107	>MDL:	13	12%	2	0.035	0.276	**0.351**	**0.702**
		<MDL:	94	88%	2.15	0.17	0.361		
Acenaphthylene	107	>MDL:	39	36%	5	0.029	0.580	**0.446**	**0.891**
		<MDL:	68	64%	2.15	0.17	0.369		
Anthracene	107	>MDL:	46	43%	4.9	0.029	0.608	**0.468**	**0.935**
		<MDL:	61	57%	2.15	0.17	0.362		
Benzo(a)anthracene	107	>MDL:	75	70%	11	0.032	0.659	**0.597**	**1.193**
		<MDL:	32	30%	2.15	0.17	0.450		
Benzo(a)pyrene	107	>MDL:	81	76%	13	0.026	0.775	**0.710**	**1.420**
		<MDL:	26	24%	2.15	0.17	0.506		
Benzo(b)fluoranthene	107	>MDL:	81	76%	14	0.036	0.934	**0.829**	**1.659**
		<MDL:	26	24%	2.15	0.17	0.505		
Benzo(ghi)perylene	107	>MDL:	64	60%	6.7	0.029	0.538	**0.478**	**0.955**
		<MDL:	43	40%	2.15	0.17	0.388		
Benzo(k)fluoranthene	107	>MDL:	74	69%	14	0.042	0.849	**0.723**	**1.446**
		<MDL:	33	31%	2.15	0.17	0.441		
hrysene	107	>MDL:	79	74%	13	0.04	0.775	**0.699**	**1.397**
		<MDL:	28	26%	2.15	0.17	0.483		
Dibenz(a,h)anthracene	107	>MDL:	42	39%	2.9	0.036	0.332	**0.360**	**0.720**
		<MDL:	65	61%	2.15	0.17	0.378		
Fluoranthene	107	>MDL:	88	82%	24	0.03	1.121	**1.015**	**2.031**
		<MDL:	19	18%	2.15	0.17	0.526		
Fluorene	107	>MDL:	14	13%	1.3	0.037	0.239	**0.333**	**0.667**
		<MDL:	93	87%	2.15	0.17	0.348		
Indeno(1,2,3-cd)pyrene	107	>MDL:	61	57%	6.2	0.038	0.539	**0.468**	**0.937**
		<MDL:	46	43%	2.15	0.17	0.375		
Naphthalene	107	>MDL:	13	12%	0.62	0.0031	0.114	**0.017**	**0.033**
		<MDL:	94	88%	0.007	0.00255	0.003		
Phenanthrene	107	>MDL:	59	55%	11	0.032	0.668	**0.540**	**1.080**
		<MDL:	48	45%	2.15	0.17	0.383		
Pyrene	107	>MDL:	85	79%	18	0.029	0.899	**0.813**	**1.626**
		<MDL:	22	21%	2.15	0.17	0.480		

(1) **>MDL** - result was greater than the method detection limit (MDL) and should be considered a detected value. This includes estimated, "J" qualified values that were between the laboratory reporting limit (RL) and the MDL.
<MDL - result was less than the MDL, and was reported as a "non-detected" value less than the RL. For this evaluation,1/2 of the RL was used to calculate range and mean.

(2) The overall arithmetic mean incorporates all detected values above the MDL and uses 1/2 of the laboratory RL for all values that were not detected.

(3) The background screening criterion is equal to 2x the overall arithmetic mean.

Table 4-3

Surface and Depositional Soil PAH Analytical Results Summary
SI Sites
Fort McClellan, Calhoun County, Alabama

(Page 1 of 2)

Parcel	Name	Asphalt Ratio[1]	Surface/Depositional Soil >MDL	> Human	>Eco
FTA Parcels:					
FTA-29	11th CHEM MOTOR POOL & UST	1/4	28	2	4
FTA-64	FORMER PCP DIP TANK DEH COMPOUND	6/8	40	6	11
FTA-77	FORMER FIRE TRAINING PIT	0/3	11	0	2
FTA-82	STUMP DUMP	0/8	2	0	0
FTA-88	RANGE 24A FOG OIL DRUM STORAGE	0/4	0	0	0
FTA-93	FRM DECON COMPLEX BLDG 1271, 1272 (70)	17/24	189	35	59
FTA-94	FRM CHEM LAUNDRY & MOTOR P. AREA 1500	4/6	110	25	38
FTA-95	OLD HOSPITAL	5/20	181	20	42
FTA-100	AUTOCRAFT SHOP/FORMER DPDO (BLDG 1800)	2/2	37	2	12
FTA-105	SMOKE AREA R	0/2	0	0	0
FTA-106	SMOKE AREAS S	0/2	10	0	3
FTA-107	FORMER SMOKE AREA CHOCCOLOCCO CORRIDOR	0/4	0	0	0
FTA-108	RANGE 24A MULTI-PURPOSE RANGE	0/10	0	0	0
FTA-124	SMOKE RANGE BVZ	0/2	1	0	0
FTA-125	OLD INCINERATOR BUILDING 5710	0/2	1	0	0
FTA-126	POST GARBAGE DUMP NORTH OF REILLY AIRFIELD	0/3	0	0	0
FTA-130	QUARTER MASTER'S GAS STORAGE	2/4	33	3	9
FTA-131	FORMER FUEL YARD	0/3	0	0	0
FTA-144	FORMER MOTOR POOL AREA 2000	7/7	94	18	33
FTA-145	FORMER MOTOR POOL @ AREA 1800/1900	2/11	57	8	14
FTA-146	FORMER MOTOR POOL AREA 3100	5/7	34	3	12
FTA-147	FORMER MOTOR POOL AREA 3100 S OF 23RD ST	5/9	62	3	13
FTA-148	FORMER MOTOR POOL AREA BLDG 1398 4TH AVE	8/12	121	18	35
FTA-149	FORMER MOTOR POOL AREA 600	11/11	148	41	58
FTA-151	GSA AREA AND SURROUNDING WAREHOUSES	5/52	394	43	99
FTA-159	FORMER SMOKE AREA SOUTH SLOPE MORGAN	0/4	0	0	0
FTA-164	MOTOR POOL AREA 800	8/15	130	18	31
FTA-166	TRAINING AIDS BUILDING 267	2/2	1	0	0
FTA-195	GAS MASK TEST BLDG. T-401, T-402, & 439	0/4	0	0	0
FTA-163	MOTOR POOL AREA 1600	20/29	154	16	31
FTA-170	WASHRACK AT BUILDING 351	0/4	21	1	3
FTA-197	ASP	9/30	45	0	4
FTA-500	TRENCHES WEST OF IRON MOUNTAIN ROAD	0/6	0	0	0

Table 4-3

Surface and Depositional Soil PAH Analytical Results Summary
SI Sites
Fort McClellan, Calhoun County, Alabama

Parcel	Name	Asphalt Ratio[1]	Surface/Depositional Soil >MDL	> Human	>Eco
PPMP Parcels:					
PPMP-60	BULK STORAGE AREA BUILDING 296	0/0	0	0	0
PPMP-75	FORMER ORDNANCE MOTOR REPAIR AREA	46/63	719	146	245
PPMP-85	DRMO AREA	9/9	62	4	17
PPMP-122	FORMER FOG OIL STORAGE WEST OF SKEET RANGE	0/63	NS	NS	NS
PPMP-127	WASHRACK BUILDING 1740 SOLDIER'S CHAPEL	1/13	116	10	22
PPMP-138	PRINT PLANT BLDG 143 BASEMENT	2/4	26	2	9
PPMP-143	MOTOR POOL AREA 1300 2ND AVE	2/7	30	1	0
PPMP-150	FORMER MOTOR POOL AREA 1000	0/1	28	4	7
PPMP-162	PRINT PLANT BUILDING 3183	2/4	43	3	16
PPMP-168	WASHRACK BUILDING 1294	1/2	1	0	0
PPMP-171	FORMER PRINT PLANT BUILDING 144	1/3	16	1	4
PPMP-172	FORMER PRINTING PLANT BUILDING 1060	0/4	39	11	14
PPMP-173	FORMER PRINT PLANT BUILDING 2051	2/3	6	0	0
PPMP-174	SMALL WEAPONS CLEANING/STORAGE BLDG 1378	4/4	46	6	7
PPMP-177	AST AT RANGE 16	0/1	3	0	2
PPMP-179	PERSONNEL DECON STATION BUILDING 3185	0/5	31	9	11
PPMP-200	GROUND SCAR W/PROB TRENCHES @ DRIVING CO	0/5	1	0	0
PPMP-227	FILL AREA EAST END REILLY AIR FIELD	0/3	0	0	0
PPMP-228	TRENCHES WEST OF REMOUNT CREEK	0/5	8	0	0
PPMP-229	FILL AREA NORTHWEST OF REILLY AIR FIELD	0/6	1	0	0
PPMP-230	FILL AREA NORTH OF LANDFILL NO. 2	0/7	7	0	0
PPMP-231	PROBABLE FILL AREA AT RANGE 30	0/11	13	1	4
PPMP-237	CLEARED AREA WITH MOUND CHOCCOLOCCO CORR	0/6	0	0	0
PPMP-239	TRENCHES NEAR RANGE 20 FIRING LINE	0/6	0	0	0
PPMP-236	DRAIN FIELD	0/2	0	0	0
Other Parcels:					
RJR-202	RANGE J	0/24	1	0	0
CDTF-126Q	ENVIRONMENTAL BASELINE @ CDTF	2/17	4	0	0
WCS-87	WASTE CHEMICAL STORAGE AREA (87 & 10)	7/9	125	36	48

Shading indicates the parcel was selected as an anthropogenic parcel for background assessment purposes.

[1] Number of surface soil samples that were collected under asphalt / total number of surface soil samples

> MDL - Number of PAH results that were greater than the method detection limit (estimated, "J" qualified data were included)

> Human - Number of PAH results that were greater than human health SSSLs.

>Eco - Number of PAH results that were greater than ecological risk screening levels.

NS - No samples collected for that matrix for SVOC analysis.

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
Depositional Soil Sample Results:											
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(a)anthracene	0.037	mg/kg	J	Y	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(a)pyrene	0.035	mg/kg	J	Y	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(b)fluoranthene	0.036	mg/kg	J	Y	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Chrysene	0.04	mg/kg	J	Y	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Fluoranthene	0.08	mg/kg	J	Y	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Pyrene	0.058	mg/kg	J	Y	0.39
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(a)pyrene	0.026	mg/kg	J	Y	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(b)fluoranthene	0.037	mg/kg	J	Y	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(ghi)perylene	0.04	mg/kg	J	Y	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Chrysene	0.047	mg/kg	J	Y	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Fluoranthene	0.045	mg/kg	J	Y	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Pyrene	0.043	mg/kg	J	Y	0.37
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Acenaphthene	0.037	mg/kg	UJ	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Acenaphthylene	0.35	mg/kg	UJ	N	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Anthracene	0.11	mg/kg	UJ	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(a)anthracene	0.45	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(a)pyrene	0.43	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(b)fluoranthene	0.62	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(ghi)perylene	0.27	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(k)fluoranthene	0.23	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Chrysene	0.48	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	UJ	N	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Fluoranthene	0.81	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Fluorene	0.35	mg/kg	UJ	N	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.31	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Naphthalene	0.35	mg/kg	UJ	N	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Phenanthrene	0.43	mg/kg	J	Y	0.35
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Pyrene	0.6	mg/kg	J	Y	0.35
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Acenaphthene	0.12	mg/kg	J	Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Acenaphthylene	3.8	mg/kg		Y	0.94

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Anthracene	3.6	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(a)anthracene	1	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(a)pyrene	2.3	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(b)fluoranthene	2.5	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(ghi)perylene	1.9	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(k)fluoranthene	2.7	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Chrysene	1.3	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.68	mg/kg	J	Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Fluoranthene	1.2	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Fluorene	0.11	mg/kg	J	Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	1.7	mg/kg		Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Naphthalene	0.94	mg/kg	U	N	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Naphthalene	0.0071	mg/kg	UJ	N	0.0071
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Phenanthrene	0.36	mg/kg	J	Y	0.94
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Pyrene	1.8	mg/kg		Y	0.94
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Acenaphthene	0.13	mg/kg	J	Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Acenaphthylene	5	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Anthracene	4.9	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(a)anthracene	1.9	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(a)pyrene	3.6	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(ghi)perylene	2.4	mg/kg		Y	[illegible]
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(k)fluoranthene	4.3	mg/kg		Y	[illegible]
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Chrysene	2.2	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Dibenz(a,h)anthracene	0.96	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Fluoranthene	2.1	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Fluorene	0.29	mg/kg	J	Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2.1	mg/kg		Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Naphthalene	0.49	mg/kg	U	N	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Naphthalene	0.0074	mg/kg	UJ	N	0.0074
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Phenanthrene	0.41	mg/kg	J	Y	0.49
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Pyrene	3.1	mg/kg		Y	0.49
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Acenaphthene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Acenaphthylene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Anthracene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(a)anthracene	0.066	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(a)pyrene	0.087	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(ghi)perylene	0.06	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(k)fluoranthene	0.094	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Chrysene	0.085	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Dibenz(a,h)anthracene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Fluoranthene	0.13	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Fluorene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.059	mg/kg	J	Y	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Naphthalene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Naphthalene	0.0069	mg/kg	UJ	N	0.0069
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Phenanthrene	0.45	mg/kg	U	N	0.45
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Pyrene	0.1	mg/kg	J	Y	0.45
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Acenaphthene	2.3	mg/kg	U	N	[illegible]
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Acenaphthylene	2.3	mg/kg	U	N	[illegible]
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Anthracene	2.3	mg/kg	U	N	[illegible]
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(a)anthracene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(a)pyrene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(b)fluoranthene	2.3	mg/kg	U	N	2.3

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(ghi)perylene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(k)fluoranthene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Chrysene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Dibenz(a,h)anthracene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Fluoranthene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Fluorene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Naphthalene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Naphthalene	0.0069	mg/kg	UJ	N	0.0069
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Phenanthrene	2.3	mg/kg	U	N	2.3
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Pyrene	2.3	mg/kg	U	N	2.3
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Acenaphthene	0.071	mg/kg	J	Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Acenaphthylene	0.52	mg/kg	J	Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Anthracene	0.72	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(a)anthracene	3.2	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(a)pyrene	4.6	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(b)fluoranthene	7.2	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(ghi)perylene	1.7	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(k)fluoranthene	4.4	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Chrysene	5	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.91	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Fluoranthene	8	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Fluorene	0.11	mg/kg	J	Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Naphthalene	0.58	mg/kg	U	N	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Naphthalene	0.0088	mg/kg	UJ	N	0.0088
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Phenanthrene	1.8	mg/kg		Y	0.58
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Pyrene	5.9	mg/kg		Y	0.58
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Acenaphthylene	0.086	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Anthracene	0.092	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(a)pyrene	0.23	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.23	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.28	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Chrysene	0.23	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.06	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Fluoranthene	0.44	mg/kg		Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Phenanthrene	0.2	mg/kg	J	Y	0.42
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Pyrene	0.31	mg/kg	J	Y	0.42
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Acenaphthene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Anthracene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(a)pyrene	0.049	mg/kg	J	Y	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.071	mg/kg	J	Y	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.057	mg/kg	J	Y	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Chrysene	0.054	mg/kg	J	Y	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Fluoranthene	0.067	mg/kg	J	Y	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Fluorene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Naphthalene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Phenanthrene	0.44	mg/kg	U	N	0.44
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Pyrene	0.053	mg/kg	J	Y	0.44
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Anthracene	0.12	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(a)anthracene	0.27	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(a)pyrene	0.36	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.45	mg/kg		Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(ghi)perylene	0.17	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.38	mg/kg		Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Chrysene	0.38	mg/kg		Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.086	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Fluoranthene	0.66	mg/kg		Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.18	mg/kg	J	Y	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.[illegible]
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Phenanthrene	0.22	mg/kg	J	Y	[illegible]
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Pyrene	0.49	mg/kg		Y	0.38
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Acenaphthene	0.094	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Anthracene	0.23	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(a)pyrene	0.28	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.29	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(ghi)perylene	0.15	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.33	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Chrysene	0.33	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Fluoranthene	0.85	mg/kg		Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Fluorene	0.12	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Naphthalene	0.1	mg/kg	J	Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Phenanthrene	0.78	mg/kg		Y	0.39
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Pyrene	0.56	mg/kg		Y	0.39
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Acenaphthene	0.48	mg/kg	U	N	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Acenaphthylene	0.48	mg/kg	U	N	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Anthracene	0.051	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(a)pyrene	0.26	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.33	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(ghi)perylene	0.13	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.3	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Chrysene	0.3	mg/kg	J	Y	0.[illegible]
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.07	mg/kg	J	Y	[illegible]
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Fluoranthene	0.43	mg/kg	J	Y	[illegible]
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Fluorene	0.48	mg/kg	U	N	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Naphthalene	0.48	mg/kg	U	N	0.48

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Naphthalene	0.0073	mg/kg	UJ	N	0.0073
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Phenanthrene	0.1	mg/kg	J	Y	0.48
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Pyrene	0.31	mg/kg	J	Y	0.48
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Acenaphthene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Acenaphthylene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Anthracene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(a)anthracene	0.074	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(a)pyrene	0.086	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.097	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Chrysene	0.1	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Fluoranthene	0.18	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Fluorene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Naphthalene	0.43	mg/kg	U	N	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Phenanthrene	0.051	mg/kg	J	Y	0.43
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Pyrene	0.12	mg/kg	J	Y	0.43
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Acenaphthene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Acenaphthylene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Anthracene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(a)anthracene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(a)pyrene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(b)fluoranthene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(ghi)perylene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(k)fluoranthene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Chrysene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Dibenz(a,h)anthracene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Fluoranthene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Fluorene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Naphthalene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Phenanthrene	4.2	mg/kg	U	N	4.2
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Pyrene	4.2	mg/kg	U	N	4.2
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Acenaphthylene	0.26	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Anthracene	0.24	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(a)pyrene	0.26	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.25	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(ghi)perylene	0.2	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Chrysene	0.21	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.093	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Fluoranthene	0.31	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Phenanthrene	0.071	mg/kg	J	Y	0.42
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Pyrene	0.25	mg/kg	J	Y	0.42
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Acenaphthene	0.45	mg/kg	U	N	0.45

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Acenaphthylene	0.084	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Anthracene	0.086	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(a)anthracene	0.043	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(a)pyrene	0.067	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.087	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(ghi)perylene	0.064	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.071	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Chrysene	0.054	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.45	mg/kg	U	N	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Fluoranthene	0.052	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Fluorene	0.45	mg/kg	U	N	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.052	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Naphthalene	0.45	mg/kg	U	N	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Naphthalene	0.0068	mg/kg	UJ	N	0.0068
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Phenanthrene	0.45	mg/kg	U	N	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Pyrene	0.061	mg/kg	J	Y	0.45
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Acenaphthylene	0.1	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Anthracene	0.09	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(a)anthracene	0.14	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.18	mg/kg	J	Y	0
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.23	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Chrysene	0.16	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.05	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Fluoranthene	0.15	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Phenanthrene	0.032	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Pyrene	0.11	mg/kg	J	Y	0.39
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Acenaphthene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Acenaphthylene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Anthracene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(a)anthracene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(a)pyrene	0.043	mg/kg	J	Y	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.062	mg/kg	J	Y	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(ghi)perylene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.061	mg/kg	J	Y	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Chrysene	0.056	mg/kg	J	Y	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Fluoranthene	0.07	mg/kg	J	Y	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Fluorene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Naphthalene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Naphthalene	0.0071	mg/kg	U	N	0.0071
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Phenanthrene	0.47	mg/kg	U	N	0.47
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Pyrene	0.058	mg/kg	J	Y	0.4
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Acenaphthene	0.44	mg/kg	U	N	0
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Acenaphthylene	0.44	mg/kg	U	N	0.
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Anthracene	0.44	mg/kg	U	N	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(a)anthracene	0.044	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.44

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.17	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Chrysene	0.12	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Fluoranthene	0.062	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Fluorene	0.44	mg/kg	U	N	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.099	mg/kg	J	Y	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Naphthalene	0.44	mg/kg	U	N	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Phenanthrene	0.44	mg/kg	U	N	0.44
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Pyrene	0.09	mg/kg	J	Y	0.44
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Anthracene	0.066	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(a)anthracene	0.048	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	UJ	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(ghi)perylene	0.07	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Fluoranthene	0.074	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.075	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Phenanthrene	0.076	mg/kg	J	Y	0.37
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Pyrene	0.15	mg/kg	J	Y	0.37
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Acenaphthene	3.6	mg/kg	U	N	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Anthracene	0.45	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(a)anthracene	0.41	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(a)pyrene	1.1	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(b)fluoranthene	1.2	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(ghi)perylene	0.55	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.95	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Chrysene	2.4	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Fluoranthene	1.4	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Fluorene	3.6	mg/kg	U	N	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.49	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Naphthalene	0.014	mg/kg	UJ	N	0.014
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Phenanthrene	0.43	mg/kg	J	Y	3.6
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Pyrene	1.2	mg/kg	J	Y	3.6
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Acenaphthene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Acenaphthylene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Anthracene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(a)anthracene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(a)pyrene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(b)fluoranthene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(ghi)perylene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(k)fluoranthene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Chrysene	4.3	mg/kg	U	N	4.3

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Dibenz(a,h)anthracene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Fluoranthene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Fluorene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Naphthalene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Phenanthrene	4.3	mg/kg	U	N	4.3
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Pyrene	4.3	mg/kg	U	N	4.3
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Acenaphthene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Acenaphthylene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Anthracene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(a)anthracene	0.051	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(a)pyrene	0.068	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.053	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(ghi)perylene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.079	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Chrysene	0.065	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Fluoranthene	0.12	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Fluorene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.45	mg/kg	U	N	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Naphthalene	0.45	mg/kg	U	N	[illegible]
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Naphthalene	0.0068	mg/kg	U	N	[illegible]
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Phenanthrene	0.058	mg/kg	J	Y	0.45
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Pyrene	0.091	mg/kg	J	Y	0.45
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Acenaphthene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Acenaphthylene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Anthracene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(a)anthracene	0.046	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(a)pyrene	0.059	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.062	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.061	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Chrysene	0.067	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Fluorene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Naphthalene	0.43	mg/kg	U	N	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Phenanthrene	0.044	mg/kg	J	Y	0.43
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Pyrene	0.082	mg/kg	J	Y	0.43
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Anthracene	0.4	mg/kg	U	N	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(a)pyrene	0.07	mg/kg	J	Y	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.069	mg/kg	J	Y	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.081	mg/kg	J	Y	[illegible]
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Chrysene	0.075	mg/kg	J	Y	[illegible]
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	[illegible]
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Naphthalene	0.0036	mg/kg	B	Y	0.0061
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Phenanthrene	0.044	mg/kg	J	Y	0.4
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Pyrene	0.083	mg/kg	J	Y	0.4
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Anthracene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Chrysene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Fluoranthene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Phenanthrene	0.42	mg/kg	U	N	0.42
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Pyrene	0.42	mg/kg	U	N	0.42
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Acenaphthene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Acenaphthylene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Anthracene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(a)anthracene	0.053	mg/kg	J	Y	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(a)pyrene	0.065	mg/kg	J	Y	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.089	mg/kg	J	Y	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(ghi)perylene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.082	mg/kg	J	Y	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Chrysene	0.081	mg/kg	J	Y	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Fluoranthene	0.12	mg/kg	J	Y	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Fluorene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Naphthalene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Naphthalene	0.0073	mg/kg	UJ	N	0.0073
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Phenanthrene	0.48	mg/kg	U	N	0.48
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Pyrene	0.091	mg/kg	J	Y	0.48
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Acenaphthene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Acenaphthene	0.5	mg/kg	U	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Acenaphthylene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Acenaphthylene	0.052	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Anthracene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Anthracene	0.058	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(a)anthracene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(a)anthracene	0.5	mg/kg	U	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(a)pyrene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(a)pyrene	0.093	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(b)fluoranthene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.058	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(ghi)perylene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(ghi)perylene	0.046	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(k)fluoranthene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.086	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Chrysene	2.5	mg/kg	R	N	2.5

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Chrysene	0.072	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Dibenz(a,h)anthracene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.5	mg/kg	U	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Fluoranthene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Fluoranthene	0.077	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Fluorene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Fluorene	0.5	mg/kg	U	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.5	mg/kg	U	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Naphthalene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Naphthalene	0.0076	mg/kg	UJ	N	0.0076
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Naphthalene	0.5	mg/kg	UJ	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Phenanthrene	2.5	mg/kg	R	N	2.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Phenanthrene	0.5	mg/kg	UJ	N	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Pyrene	0.051	mg/kg	J	Y	0.5
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Pyrene	2.5	mg/kg	R	N	2.5
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Anthracene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(a)anthracene	0.38	mg/kg	UJ	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(a)pyrene	0.38	mg/kg	UJ	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	[illegible]
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	UJ	N	[illegible]
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Chrysene	0.38	mg/kg	UJ	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Fluoranthene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Naphthalene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Naphthalene	0.0058	mg/kg	U	N	0.0058
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Pyrene	0.38	mg/kg	U	N	0.38
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Acenaphthene	4.3	mg/kg	U	N	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Acenaphthylene	4.3	mg/kg	U	N	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Anthracene	4.3	mg/kg	U	N	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.34	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(ghi)perylene	0.13	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Chrysene	0.24	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Dibenz(a,h)anthracene	4.3	mg/kg	UJ	N	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Fluoranthene	0.41	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Fluorene	4.3	mg/kg	U	N	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Naphthalene	4.3	mg/kg	U	N	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Phenanthrene	0.18	mg/kg	J	Y	4.3
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Pyrene	0.31	mg/kg	J	Y	[illegible]
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Acenaphthene	0.42	mg/kg	U	N	[illegible]
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Acenaphthylene	0.089	mg/kg	J	Y	[illegible]
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Anthracene	0.42	mg/kg	U	N	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(a)anthracene	0.41	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(a)pyrene	0.98	mg/kg	J	Y	0.42

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(b)fluoranthene	1.8	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(ghi)perylene	0.69	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(k)fluoranthene	1	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Chrysene	0.56	mg/kg		Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Dibenz(a,h)anthracene	0.19	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Fluoranthene	0.73	mg/kg		Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.82	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Naphthalene	0.0064	mg/kg	U	N	0.0064
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Phenanthrene	0.11	mg/kg	J	Y	0.42
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Pyrene	0.57	mg/kg		Y	0.42
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(a)anthracene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(a)pyrene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(ghi)perylene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Chrysene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	UJ	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Naphthalene	0.0061	mg/kg	U	N	0.0061
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Pyrene	0.4	mg/kg	U	N	0.4
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Acenaphthene	0.55	mg/kg	U	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Acenaphthylene	0.55	mg/kg	U	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Anthracene	0.55	mg/kg	U	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(a)pyrene	0.15	mg/kg	J	Y	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.24	mg/kg	J	Y	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(ghi)perylene	0.55	mg/kg	UJ	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.55	mg/kg	UJ	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Chrysene	0.15	mg/kg	J	Y	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Dibenz(a,h)anthracene	0.55	mg/kg	UJ	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Fluoranthene	0.17	mg/kg	J	Y	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Fluorene	0.55	mg/kg	U	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.55	mg/kg	UJ	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Naphthalene	0.55	mg/kg	U	N	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Naphthalene	0.0083	mg/kg	UJ	N	0.0083
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Phenanthrene	0.08	mg/kg	J	Y	0.55
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Pyrene	0.14	mg/kg	J	Y	0.55
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Acenaphthene	0.4	mg/kg	UJ	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Anthracene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Chrysene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Pyrene	0.4	mg/kg	UJ	N	0.4
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Acenaphthene	2.9	mg/kg	U	N	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Acenaphthylene	1.4	mg/kg	J	Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Anthracene	2.1	mg/kg	J	Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(a)anthracene	11	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(a)pyrene	13	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(b)fluoranthene	14	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(ghi)perylene	5.3	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(k)fluoranthene	14	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Chrysene	13	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Dibenz(a,h)anthracene	2.9	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Fluoranthene	24	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Fluorene	0.32	mg/kg	J	Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	5.8	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Naphthalene	2.9	mg/kg	U	N	[illegible]
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Naphthalene	0.0062	mg/kg	B	Y	0.0[illegible]
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Phenanthrene	5.2	mg/kg		Y	2.9
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Pyrene	18	mg/kg		Y	2.9
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Acenaphthene	3.4	mg/kg	U	N	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Acenaphthylene	4.5	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Anthracene	4.5	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(a)anthracene	6	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(a)pyrene	9.7	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(b)fluoranthene	11	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(ghi)perylene	6.7	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(k)fluoranthene	11	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Chrysene	9.6	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Dibenz(a,h)anthracene	2.7	mg/kg	J	Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Fluoranthene	13	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Fluorene	3.4	mg/kg	U	N	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	6.2	mg/kg		Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Naphthalene	3.4	mg/kg	U	N	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Naphthalene	0.0059	mg/kg	B	Y	0.01
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Phenanthrene	2.6	mg/kg	J	Y	3.4
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Pyrene	10	mg/kg		Y	3.4

Surface Soil Sample Results - Samples Collected Beneath Asphalt

FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Benzo(a)pyrene	0.042	mg/kg	J	Y	[illegible]
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Benzo(b)fluoranthene	0.044	mg/kg	J	Y	[illegible]
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Benzo(ghi)perylene	0.048	mg/kg	J	Y	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Chrysene	0.37	mg/kg	U	N	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Benzo(a)pyrene	0.054	mg/kg	J	Y	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Chrysene	0.043	mg/kg	J	Y	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Chrysene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	YES	Pyrene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Benzo(a)pyrene	0.048	mg/kg	J	Y	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Chrysene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	YES	Pyrene	0.38	mg/kg	U	N	0.38
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Acenaphthene	0.28	mg/kg	J	Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Anthracene	0.62	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Benzo(a)anthracene	1.5	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Benzo(a)pyrene	1.5	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Benzo(b)fluoranthene	2.1	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Benzo(k)fluoranthene	2	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Chrysene	1.7	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.26	mg/kg	J	Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Fluoranthene	3.8	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Fluorene	0.26	mg/kg	J	Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.54	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Naphthalene	0.05	mg/kg	J	Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Phenanthrene	2	mg/kg		Y	0.35
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	YES	Pyrene	2.9	mg/kg		Y	0.35
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Acenaphthene	3.7	mg/kg	U	N	[illegible]
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Acenaphthylene	3.7	mg/kg	U	N	[illegible]
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Anthracene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Benzo(a)anthracene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Benzo(a)pyrene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Benzo(b)fluoranthene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Benzo(ghi)perylene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Benzo(k)fluoranthene	3.7	mg/kg	UJ	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Chrysene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Dibenz(a,h)anthracene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Fluoranthene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Fluorene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Naphthalene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Phenanthrene	3.7	mg/kg	U	N	3.7
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	YES	Pyrene	3.7	mg/kg	U	N	3.7
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Chrysene	0.048	mg/kg	J	Y	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Fluoranthene	0.044	mg/kg	J	Y	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Fluorene	0.38	mg/kg	U	N	[illegible]
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	[illegible]
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Naphthalene	0.055	mg/kg	J	Y	[illegible]
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Naphthalene	0.0061	mg/kg	J	Y	0.0058
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	YES	Pyrene	0.055	mg/kg	J	Y	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Acenaphthylene	0.27	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Anthracene	0.19	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Benzo(a)pyrene	0.39	mg/kg		Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Benzo(b)fluoranthene	0.39	mg/kg		Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg		Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Chrysene	0.25	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Fluoranthene	0.21	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Phenanthrene	0.042	mg/kg	J	Y	0.36
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	YES	Pyrene	0.23	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Acenaphthylene	0.054	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Anthracene	0.046	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Benzo(a)pyrene	0.054	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Benzo(b)fluoranthene	0.058	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Benzo(k)fluoranthene	0.069	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Chrysene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Fluoranthene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	YES	Pyrene	0.037	mg/kg	J	Y	0.36
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Acenaphthylene	0.24	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Anthracene	0.24	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Benzo(a)anthracene	0.58	mg/kg		Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Benzo(a)pyrene	1.1	mg/kg		Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Benzo(b)fluoranthene	1.2	mg/kg		Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Benzo(ghi)perylene	0.068	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Benzo(k)fluoranthene	1.1	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Chrysene	0.76	mg/kg		Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.097	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Fluoranthene	0.91	mg/kg		Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.19	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Phenanthrene	0.21	mg/kg	J	Y	0.35
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	YES	Pyrene	1.2	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Acenaphthylene	0.25	mg/kg	J	Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Anthracene	0.35	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Benzo(a)anthracene	1.1	mg/kg		Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Benzo(a)pyrene	1.3	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Benzo(b)fluoranthene	1.8	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Benzo(k)fluoranthene	1.5	mg/kg	J	Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Chrysene	1.2	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Fluoranthene	2	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Fluorene	0.093	mg/kg	J	Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.19	mg/kg	J	Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Phenanthrene	0.73	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Pyrene	2.1	mg/kg		Y	0.35
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	YES	Acenaphthene	1.7	mg/kg	U	N	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Anthracene	0.31	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Benzo(a)anthracene	0.67	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Benzo(a)pyrene	0.96	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Benzo(b)fluoranthene	0.7	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Benzo(ghi)perylene	0.77	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Benzo(k)fluoranthene	0.97	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Chrysene	0.78	mg/kg	J	Y	[illegible]
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	J	Y	[illegible]
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Fluoranthene	1.5	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Fluorene	1.7	mg/kg	U	N	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.7	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Naphthalene	1.7	mg/kg	U	N	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Naphthalene	0.0051	mg/kg	UJ	N	0.0051
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Phenanthrene	0.4	mg/kg	J	Y	1.7
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	YES	Pyrene	1.2	mg/kg	J	Y	1.7
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Acenaphthene	0.55	mg/kg	J	Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Acenaphthylene	2	mg/kg	J	Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Anthracene	3.7	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Benzo(a)anthracene	10	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Benzo(a)pyrene	12	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Benzo(b)fluoranthene	13	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Benzo(ghi)perylene	1.8	mg/kg	J	Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Benzo(k)fluoranthene	13	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Chrysene	12	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.4	mg/kg	J	Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Fluoranthene	23	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Fluorene	1.2	mg/kg	J	Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	2.4	mg/kg	J	Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Naphthalene	3.5	mg/kg	U	N	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Naphthalene	0.006	mg/kg	J	Y	0.0054
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Phenanthrene	9.9	mg/kg		Y	3.5
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	YES	Pyrene	24	mg/kg		Y	3.5
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Acenaphthene	0.66	mg/kg	J	Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Acenaphthylene	1.1	mg/kg	J	Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Anthracene	2.5	mg/kg	J	Y	[illegible]
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Benzo(a)anthracene	4.8	mg/kg		Y	[illegible]
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Benzo(a)pyrene	4.8	mg/kg		Y	[illegible]
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Benzo(b)fluoranthene	4.4	mg/kg		Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Benzo(ghi)perylene	0.82	mg/kg	J	Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Benzo(k)fluoranthene	6	mg/kg		Y	3.6

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Chrysene	5.2	mg/kg		Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.56	mg/kg	J	Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Fluoranthene	12	mg/kg		Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Fluorene	1.7	mg/kg	J	Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1	mg/kg	J	Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Naphthalene	0.073	mg/kg	J	Y	0.0054
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Phenanthrene	6.1	mg/kg		Y	3.6
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	YES	Pyrene	9.6	mg/kg		Y	3.6
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Anthracene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Benzo(a)anthracene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Benzo(a)pyrene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Benzo(b)fluoranthene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Benzo(k)fluoranthene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Chrysene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Fluoranthene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Fluorene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Phenanthrene	1.8	mg/kg	U	N	1.8
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	YES	Pyrene	1.8	mg/kg	U	N	1.8
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Acenaphthylene	0.04	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Benzo(a)anthracene	0.068	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Benzo(b)fluoranthene	0.093	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Benzo(ghi)perylene	0.084	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Chrysene	0.087	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Fluoranthene	0.064	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	J	Y	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	YES	Pyrene	0.068	mg/kg	J	Y	0.35
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Anthracene	0.055	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Benzo(ghi)perylene	0.061	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Chrysene	0.13	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Fluoranthene	0.29	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.061	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Phenanthrene	0.19	mg/kg	J	Y	0.38
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	YES	Pyrene	0.21	mg/kg	J	Y	[illegible]
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Acenaphthene	0.41	mg/kg	U	N	[illegible]
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Anthracene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Benzo(a)anthracene	0.067	mg/kg	J	Y	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Benzo(a)pyrene	0.072	mg/kg	J	Y	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Benzo(b)fluoranthene	0.055	mg/kg	J	Y	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Benzo(k)fluoranthene	0.083	mg/kg	J	Y	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Chrysene	0.075	mg/kg	J	Y	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Fluoranthene	0.11	mg/kg	J	Y	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Fluorene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Phenanthrene	0.41	mg/kg	U	N	0.41
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	YES	Pyrene	0.087	mg/kg	J	Y	0.41
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Anthracene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Benzo(a)anthracene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Benzo(a)pyrene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Benzo(b)fluoranthene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Benzo(k)fluoranthene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Chrysene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Fluoranthene	1.8	mg/kg	U	N	[illegible]
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Fluorene	1.8	mg/kg	U	N	[illegible]
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	[illegible]
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Phenanthrene	1.8	mg/kg	U	N	1.8

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	YES	Pyrene	1.8	mg/kg	U	N	1.8
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Benzo(a)anthracene	0.07	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Benzo(a)pyrene	0.074	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Benzo(b)fluoranthene	0.079	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Benzo(k)fluoranthene	0.094	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Chrysene	0.084	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Fluoranthene	0.15	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Phenanthrene	0.059	mg/kg	J	Y	0.35
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	YES	Pyrene	0.13	mg/kg	J	Y	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Chrysene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	YES	Pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Chrysene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	YES	Pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Acenaphthylene	1.5	mg/kg		Y	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Anthracene	1.4	mg/kg		Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Chrysene	1.2	mg/kg		Y	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Fluoranthene	0.13	mg/kg	J	Y	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Fluorene	0.078	mg/kg	J	Y	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.46	mg/kg		Y	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Naphthalene	0.0031	mg/kg	J	Y	0.0054
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	YES	Pyrene	0.66	mg/kg		Y	0.35
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Acenaphthene	0.062	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Acenaphthylene	0.19	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Anthracene	0.39	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Benzo(a)anthracene	0.97	mg/kg		Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Benzo(a)pyrene	0.73	mg/kg		Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Benzo(b)fluoranthene	1.1	mg/kg		Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Benzo(ghi)perylene	0.28	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Benzo(k)fluoranthene	0.67	mg/kg		Y	[illegible]
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Chrysene	0.93	mg/kg		Y	[illegible]
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.19	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Fluoranthene	2	mg/kg		Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Fluorene	0.22	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	J	Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Naphthalene	0.0044	mg/kg	J	Y	0.0062
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Phenanthrene	0.84	mg/kg		Y	0.41
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	YES	Pyrene	1.7	mg/kg		Y	0.41
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Acenaphthene	1.4	mg/kg	J	Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Acenaphthylene	2.3	mg/kg	J	Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Anthracene	5.6	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Benzo(a)anthracene	6.5	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Benzo(a)pyrene	5.3	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Benzo(b)fluoranthene	4.3	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Benzo(ghi)perylene	1.6	mg/kg	J	Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Benzo(k)fluoranthene	6.5	mg/kg	J	Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Chrysene	6.1	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Dibenz(a,h)anthracene	1	mg/kg	J	Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Fluoranthene	20	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Fluorene	5.2	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.9	mg/kg	J	Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Naphthalene	3.9	mg/kg	U	N	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Naphthalene	0.027	mg/kg	J	Y	0.0059
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Phenanthrene	18	mg/kg		Y	3.9
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	YES	Pyrene	14	mg/kg		Y	3.9
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Acenaphthene	0.098	mg/kg	J	Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Acenaphthylene	1.3	mg/kg		Y	[illegible]
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Anthracene	0.89	mg/kg		Y	[illegible]
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Benzo(a)anthracene	0.9	mg/kg		Y	[illegible]
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Benzo(a)pyrene	3.8	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Benzo(ghi)perylene	0.87	mg/kg		Y	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Benzo(k)fluoranthene	3.3	mg/kg	J	Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Chrysene	1.2	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.55	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Fluoranthene	2	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Fluorene	0.26	mg/kg	J	Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.1	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Naphthalene	0.25	mg/kg	J	Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Naphthalene	0.043	mg/kg	J	Y	0.0059
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Phenanthrene	0.72	mg/kg		Y	0.39
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	YES	Pyrene	2.1	mg/kg		Y	0.39
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Acenaphthylene	0.43	mg/kg		Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Anthracene	0.29	mg/kg	J	Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Benzo(a)anthracene	0.85	mg/kg		Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Benzo(a)pyrene	1.1	mg/kg		Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Benzo(b)fluoranthene	1.2	mg/kg		Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Benzo(ghi)perylene	0.29	mg/kg	J	Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Benzo(k)fluoranthene	1.3	mg/kg	J	Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Chrysene	1	mg/kg		Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.16	mg/kg	J	Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Fluoranthene	2.2	mg/kg		Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.31	mg/kg	J	Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Naphthalene	0.0024	mg/kg	J	Y	0.0054
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Phenanthrene	0.33	mg/kg	J	Y	0.36
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	YES	Pyrene	2.1	mg/kg		Y	0.36
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Acenaphthene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Acenaphthylene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Anthracene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Benzo(a)anthracene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Benzo(a)pyrene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Benzo(b)fluoranthene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Benzo(ghi)perylene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Benzo(k)fluoranthene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Chrysene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Dibenz(a,h)anthracene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Fluoranthene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Fluorene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Naphthalene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Naphthalene	0.0033	mg/kg	B	Y	0.0054
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Phenanthrene	8.9	mg/kg	U	N	8.9
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	YES	Pyrene	8.9	mg/kg	U	N	8.9
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Anthracene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Benzo(a)anthracene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Benzo(a)pyrene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Benzo(b)fluoranthene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Benzo(k)fluoranthene	1.8	mg/kg	UJ	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Chrysene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Fluoranthene	1.8	mg/kg	U	N	1.8

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Fluorene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Naphthalene	0.003	mg/kg	J	Y	0.0055
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Phenanthrene	1.8	mg/kg	U	N	1.8
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	YES	Pyrene	1.8	mg/kg	U	N	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Acenaphthylene	0.27	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Anthracene	0.46	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Benzo(a)anthracene	0.65	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Benzo(a)pyrene	0.49	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Benzo(b)fluoranthene	0.5	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Benzo(ghi)perylene	0.24	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Benzo(k)fluoranthene	0.58	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Chrysene	0.68	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Fluoranthene	2	mg/kg		Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Fluorene	0.22	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	J	Y	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Phenanthrene	1.6	mg/kg	J	Y	[illegible]
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	YES	Pyrene	1.4	mg/kg	J	Y	1[illegible]
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Acenaphthene	3.6	mg/kg	U	N	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Acenaphthylene	0.77	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Anthracene	1.5	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Benzo(a)anthracene	2.6	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Benzo(a)pyrene	1.9	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Benzo(b)fluoranthene	2.1	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Benzo(ghi)perylene	0.53	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Benzo(k)fluoranthene	1.9	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Chrysene	2.4	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.49	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Fluoranthene	4.8	mg/kg		Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Fluorene	0.52	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.61	mg/kg	J	Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Naphthalene	0.0037	mg/kg	J	Y	0.0055
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Phenanthrene	3.6	mg/kg		Y	3.6
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	YES	Pyrene	3.2	mg/kg	J	Y	3.6
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Acenaphthene	1.9	mg/kg	U	N	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Acenaphthylene	0.75	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Anthracene	0.75	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Benzo(a)anthracene	1.3	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Benzo(a)pyrene	1.4	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Benzo(b)fluoranthene	1.3	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Benzo(ghi)perylene	0.7	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Benzo(k)fluoranthene	1.5	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Chrysene	1.4	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.41	mg/kg	J	Y	1[illegible]
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Fluoranthene	3.5	mg/kg		Y	[illegible]
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Fluorene	1.9	mg/kg	U	N	1.[illegible]
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.7	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Naphthalene	1.9	mg/kg	U	N	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Phenanthrene	0.85	mg/kg	J	Y	1.9
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	YES	Pyrene	2.5	mg/kg		Y	1.9
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Anthracene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Chrysene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Fluoranthene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	YES	Pyrene	0.36	mg/kg	U	N	0.36
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Acenaphthylene	0.59	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Anthracene	0.74	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Benzo(a)anthracene	0.82	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Benzo(a)pyrene	0.98	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Benzo(b)fluoranthene	0.89	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Benzo(ghi)perylene	0.43	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Benzo(k)fluoranthene	1.2	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Chrysene	0.82	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.28	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Fluoranthene	2	mg/kg		Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Fluorene	1.8	mg/kg	U	N	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Phenanthrene	1.2	mg/kg	J	Y	1.8
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	YES	Pyrene	1.4	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Acenaphthylene	0.5	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Anthracene	0.49	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Benzo(a)anthracene	0.67	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Benzo(a)pyrene	0.9	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Benzo(b)fluoranthene	0.97	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Benzo(ghi)perylene	0.54	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Benzo(k)fluoranthene	0.86	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Chrysene	0.75	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.3	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Fluoranthene	1.4	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Fluorene	1.8	mg/kg	U	N	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.51	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Naphthalene	0.0043	mg/kg	J	Y	0.0054
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Phenanthrene	0.32	mg/kg	J	Y	1.8
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	YES	Pyrene	1.3	mg/kg	J	Y	1.8
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Acenaphthylene	0.07	mg/kg	J	Y	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Anthracene	0.083	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Benzo(a)anthracene	0.15	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Benzo(a)pyrene	0.14	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Benzo(b)fluoranthene	0.16	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Benzo(ghi)perylene	0.085	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Chrysene	0.14	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.045	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Fluoranthene	0.37	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.078	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Phenanthrene	0.23	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Pyrene	0.28	mg/kg	J	Y	0.39
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	YES	Acenaphthene	3.6	mg/kg	U	N	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Acenaphthylene	0.5	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Anthracene	0.41	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Benzo(a)anthracene	1.3	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Benzo(a)pyrene	1.5	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Benzo(b)fluoranthene	1.4	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Benzo(ghi)perylene	0.63	mg/kg	J	Y	[illegible]
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Benzo(k)fluoranthene	1.8	mg/kg	J	Y	[illegible]
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Chrysene	1.3	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.47	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Fluoranthene	1.3	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Fluorene	3.6	mg/kg	U	N	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.68	mg/kg	J	Y	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Phenanthrene	3.6	mg/kg	U	N	3.6
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	YES	Pyrene	1	mg/kg	J	Y	3.6
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Anthracene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Benzo(a)anthracene	0.2	mg/kg	J	Y	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Benzo(a)pyrene	0.25	mg/kg	J	Y	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Benzo(b)fluoranthene	0.19	mg/kg	J	Y	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Benzo(k)fluoranthene	0.28	mg/kg	J	Y	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Chrysene	0.22	mg/kg	J	Y	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Fluoranthene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Fluorene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Phenanthrene	1.8	mg/kg	U	N	1.8
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	YES	Pyrene	1.8	mg/kg	U	N	1.8
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Acenaphthene	0.39	mg/kg	U	N	[illegible]
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	[illegible]
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Anthracene	0.035	mg/kg	J	Y	[illegible]
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Benzo(b)fluoranthene	0.12	mg/kg	J	Y	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Benzo(ghi)perylene	0.069	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Chrysene	0.13	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.037	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Fluoranthene	0.23	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.066	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Phenanthrene	0.11	mg/kg	J	Y	0.39
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	YES	Pyrene	0.19	mg/kg	J	Y	0.39
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Acenaphthene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Acenaphthylene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Anthracene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Benzo(a)anthracene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Benzo(a)pyrene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Benzo(b)fluoranthene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Benzo(ghi)perylene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Benzo(k)fluoranthene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Chrysene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Fluoranthene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Fluorene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Naphthalene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Phenanthrene	1.9	mg/kg	U	N	1.9
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	YES	Pyrene	1.9	mg/kg	U	N	1.9
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Acenaphthene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Acenaphthylene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Anthracene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Benzo(a)anthracene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Benzo(a)pyrene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Benzo(b)fluoranthene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Benzo(ghi)perylene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Benzo(k)fluoranthene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Chrysene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Fluoranthene	0.45	mg/kg	J	Y	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Fluorene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Naphthalene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Phenanthrene	3.7	mg/kg	U	N	3.7
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	YES	Pyrene	0.34	mg/kg	J	Y	3.7
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Acenaphthene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Anthracene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Benzo(a)anthracene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Benzo(a)pyrene	0.4	mg/kg	J	Y	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Benzo(b)fluoranthene	0.55	mg/kg	J	Y	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Benzo(ghi)perylene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Benzo(k)fluoranthene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Chrysene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Fluoranthene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Fluorene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Phenanthrene	3.6	mg/kg	U	N	3.6
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	YES	Pyrene	0.45	mg/kg	J	Y	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Acenaphthene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Anthracene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Benzo(a)anthracene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Benzo(a)pyrene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Benzo(b)fluoranthene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Benzo(ghi)perylene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Benzo(k)fluoranthene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Chrysene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Fluoranthene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Fluorene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.[illegible]
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Phenanthrene	3.6	mg/kg	U	N	[illegible]
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	YES	Pyrene	3.6	mg/kg	U	N	3.6
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Benzo(a)anthracene	0.064	mg/kg	J	Y	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Benzo(a)pyrene	0.03	mg/kg	J	Y	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Benzo(b)fluoranthene	0.081	mg/kg	J	Y	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Benzo(k)fluoranthene	0.063	mg/kg	J	Y	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Chrysene	0.084	mg/kg	J	Y	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Fluoranthene	0.15	mg/kg	J	Y	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	YES	Pyrene	0.14	mg/kg	J	Y	0.36
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Benzo(a)anthracene	0.033	mg/kg	J	Y	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Chrysene	0.053	mg/kg	J	Y	0.[illegible]
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	[illegible]
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Fluoranthene	0.11	mg/kg	J	Y	[illegible]
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Phenanthrene	0.063	mg/kg	J	Y	0.37
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	YES	Pyrene	0.08	mg/kg	J	Y	0.37
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Chrysene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Fluoranthene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	YES	Pyrene	0.39	mg/kg	U	N	0.39
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Benzo(a)anthracene	0.039	mg/kg	J	Y	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Benzo(b)fluoranthene	0.036	mg/kg	J	Y	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Benzo(k)fluoranthene	0.052	mg/kg	J	Y	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Chrysene	0.058	mg/kg	J	Y	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Fluoranthene	0.1	mg/kg	J	Y	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Phenanthrene	0.042	mg/kg	J	Y	0.36
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	YES	Pyrene	0.082	mg/kg	J	Y	0.36
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Anthracene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Chrysene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Fluoranthene	0.044	mg/kg	J	Y	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	YES	Pyrene	0.045	mg/kg	J	Y	0.38
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Acenaphthene	0.055	mg/kg	J	Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Acenaphthylene	0.087	mg/kg	J	Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Anthracene	0.24	mg/kg	J	Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Benzo(a)anthracene	1.6	mg/kg		Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Benzo(a)pyrene	1.9	mg/kg		Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Benzo(b)fluoranthene	2.8	mg/kg		Y	[illegible]
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Benzo(ghi)perylene	0.44	mg/kg		Y	[illegible]
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Benzo(k)fluoranthene	2.6	mg/kg	J	Y	[illegible]
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Chrysene	2.1	mg/kg		Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Fluoranthene	3.4	mg/kg		Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Fluorene	0.066	mg/kg	J	Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.51	mg/kg		Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Phenanthrene	1.3	mg/kg		Y	0.37
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	YES	Pyrene	2.8	mg/kg		Y	0.37
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Anthracene	0.039	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Benzo(a)anthracene	0.094	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Benzo(k)fluoranthene	0.19	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Chrysene	0.12	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Fluoranthene	0.17	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.036	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Phenanthrene	0.084	mg/kg	J	Y	0.35
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	YES	Pyrene	0.13	mg/kg	J	Y	[illegible]
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Acenaphthene	0.36	mg/kg	U	N	[illegible]
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Acenaphthylene	0.083	mg/kg	J	Y	[illegible]
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Anthracene	0.069	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Benzo(a)anthracene	0.15	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Benzo(a)pyrene	0.19	mg/kg	J	Y	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.28	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Chrysene	0.21	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.062	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Fluoranthene	0.27	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Phenanthrene	0.071	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Pyrene	0.21	mg/kg	J	Y	0.36
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	YES	Acenaphthene	0.077	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Anthracene	0.18	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Benzo(a)anthracene	0.25	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Benzo(a)pyrene	0.32	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.3	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.089	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Benzo(k)fluoranthene	0.3	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Chrysene	0.28	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.051	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Fluoranthene	0.6	mg/kg		Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Fluorene	0.13	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.087	mg/kg	J	Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Phenanthrene	0.51	mg/kg		Y	0.36
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	YES	Pyrene	0.48	mg/kg		Y	0.36
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Acenaphthene	3.3	mg/kg	J	Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Acenaphthylene	3.7	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Anthracene	9.3	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Benzo(a)anthracene	11	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Benzo(a)pyrene	11	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Benzo(b)fluoranthene	11	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Benzo(ghi)perylene	4.5	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Benzo(k)fluoranthene	8.3	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Chrysene	10	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	2.6	mg/kg	J	Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Fluoranthene	28	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Fluorene	8.9	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	4.7	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Naphthalene	1.9	mg/kg	J	Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Naphthalene	0.18	mg/kg	J	Y	0.0056
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Phenanthrene	26	mg/kg		Y	3.7
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	YES	Pyrene	20	mg/kg		Y	3.7
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Anthracene	0.1	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Benzo(a)anthracene	0.28	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Benzo(a)pyrene	0.25	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.32	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Benzo(k)fluoranthene	0.22	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Chrysene	0.2	mg/kg	J	Y	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Fluoranthene	0.36	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Naphthalene	0.014	mg/kg	J	Y	0.0058
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Phenanthrene	0.062	mg/kg	J	Y	0.39
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	YES	Pyrene	0.48	mg/kg		Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Acenaphthylene	0.042	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Anthracene	0.047	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Benzo(a)anthracene	0.049	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Benzo(ghi)perylene	0.043	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Benzo(k)fluoranthene	0.085	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Chrysene	0.056	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Fluoranthene	0.095	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.049	mg/kg	J	Y	0.39
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Naphthalene	0.39	mg/kg	U	N	[illegible]
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	[illegible]
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Phenanthrene	0.051	mg/kg	J	Y	[illegible]
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	YES	Pyrene	0.068	mg/kg	J	Y	0.39
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Acenaphthene	2.6	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Acenaphthylene	1.8	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Anthracene	6.5	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Benzo(a)anthracene	20	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Benzo(a)pyrene	21	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Benzo(b)fluoranthene	28	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Benzo(ghi)perylene	8.6	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Benzo(k)fluoranthene	17	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Chrysene	27	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	4.7	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Fluoranthene	57	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Fluorene	2	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	9.4	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Naphthalene	3.8	mg/kg	U	N	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Phenanthrene	32	mg/kg	J	Y	3.8
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	YES	Pyrene	42	mg/kg	J	Y	3.8
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Acenaphthene	0.71	mg/kg	U	N	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Acenaphthylene	0.5	mg/kg	J	Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Anthracene	0.46	mg/kg	J	Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Benzo(a)anthracene	0.24	mg/kg	J	Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Benzo(a)pyrene	0.81	mg/kg		Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Benzo(b)fluoranthene	0.56	mg/kg	J	Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Benzo(ghi)perylene	0.51	mg/kg	J	Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Benzo(k)fluoranthene	1.1	mg/kg		Y	[illegible]
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Chrysene	0.42	mg/kg	J	Y	[illegible]
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.25	mg/kg	J	Y	[illegible]
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Fluoranthene	0.34	mg/kg	J	Y	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Fluorene	0.71	mg/kg	U	N	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.5	mg/kg	J	Y	0.71

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Naphthalene	0.71	mg/kg	U	N	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Phenanthrene	0.71	mg/kg	U	N	0.71
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	YES	Pyrene	0.44	mg/kg	J	Y	0.71
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Acenaphthylene	0.15	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Anthracene	0.33	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Benzo(a)anthracene	0.71	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Benzo(a)pyrene	0.59	mg/kg		Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.72	mg/kg		Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Benzo(k)fluoranthene	0.51	mg/kg		Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Chrysene	0.73	mg/kg		Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.11	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Fluoranthene	1.7	mg/kg		Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Fluorene	0.13	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Naphthalene	0.0062	mg/kg	J	Y	0.0057
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Phenanthrene	0.63	mg/kg		Y	0.37
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	YES	Pyrene	1.3	mg/kg		Y	0.37
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Acenaphthene	0.21	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Acenaphthylene	0.47	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Anthracene	0.78	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Benzo(a)anthracene	0.99	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Benzo(a)pyrene	0.98	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.91	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.29	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Benzo(k)fluoranthene	1.3	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Chrysene	0.96	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.22	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Fluoranthene	2.5	mg/kg		Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Fluorene	0.57	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	J	Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Naphthalene	1.9	mg/kg	U	N	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Phenanthrene	2	mg/kg		Y	1.9
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	YES	Pyrene	1.9	mg/kg		Y	1.9
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Acenaphthene	0.71	mg/kg	U	N	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Acenaphthylene	1.7	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Anthracene	1.5	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Benzo(a)anthracene	2	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Benzo(a)pyrene	3.1	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Benzo(ghi)perylene	1.9	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Benzo(k)fluoranthene	2.9	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Chrysene	2.5	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Dibenz(a,h)anthracene	0.93	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Fluoranthene	2.5	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Fluorene	0.71	mg/kg	U	N	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.9	mg/kg		Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Naphthalene	0.71	mg/kg	U	N	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Naphthalene	0.016	mg/kg	J	Y	0.0054
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Phenanthrene	0.22	mg/kg	J	Y	0.71
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	YES	Pyrene	2.7	mg/kg		Y	0.71

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Acenaphthene	1.2	mg/kg	J	Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Acenaphthylene	3.7	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Anthracene	4.8	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Benzo(a)anthracene	6.2	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Benzo(a)pyrene	8.1	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Benzo(b)fluoranthene	10	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Benzo(ghi)perylene	2	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Benzo(k)fluoranthene	8.4	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Chrysene	6.9	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.4	mg/kg	J	Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Fluoranthene	18	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Fluorene	1.7	mg/kg	J	Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	2.7	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Naphthalene	0.0047	mg/kg	J	Y	0.0053
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Phenanthrene	6	mg/kg		Y	1.8
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	YES	Pyrene	13	mg/kg		Y	1.8
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Acenaphthene	3.7	mg/kg	U	N	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Acenaphthylene	1.2	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Anthracene	1.1	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Benzo(a)anthracene	1.6	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Benzo(a)pyrene	3.3	mg/kg	J	Y	[illegible]
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Benzo(b)fluoranthene	2.9	mg/kg	J	Y	[illegible]
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Benzo(ghi)perylene	2.7	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Benzo(k)fluoranthene	3	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Chrysene	1.7	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.2	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Fluoranthene	2.8	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Fluorene	3.7	mg/kg	U	N	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	2.3	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Naphthalene	3.7	mg/kg	U	N	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Phenanthrene	0.79	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Pyrene	2.4	mg/kg	J	Y	3.7
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	YES	Acenaphthene	0.41	mg/kg	U	N	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Anthracene	0.16	mg/kg	J	Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Benzo(a)anthracene	0.56	mg/kg		Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Benzo(a)pyrene	0.53	mg/kg		Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.54	mg/kg		Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Benzo(k)fluoranthene	0.78	mg/kg		Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Chrysene	0.65	mg/kg		Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.11	mg/kg	J	Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Fluoranthene	1.2	mg/kg		Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Fluorene	0.047	mg/kg	J	Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Phenanthrene	0.33	mg/kg	J	Y	[illegible]
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Pyrene	1	mg/kg		Y	[illegible]
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	YES	Acenaphthene	0.41	mg/kg	U	N	[illegible]
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Anthracene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES						

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Benzo(k)fluoranthene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Chrysene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Fluoranthene	0.59	mg/kg		Y	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Fluorene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Phenanthrene	0.41	mg/kg	U	N	0.41
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	YES	Pyrene	0.69	mg/kg		Y	0.41
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Acenaphthene	0.14	mg/kg	J	Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Acenaphthylene	0.61	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Anthracene	1	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Benzo(a)anthracene	1.7	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Benzo(a)pyrene	1.6	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Benzo(b)fluoranthene	2	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Benzo(ghi)perylene	0.32	mg/kg	J	Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Benzo(k)fluoranthene	1.6	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Chrysene	1.7	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Fluoranthene	4	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Fluorene	0.33	mg/kg	J	Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Naphthalene	0.0035	mg/kg	J	Y	0.0054
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Phenanthrene	1.8	mg/kg		Y	0.36
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	YES	Pyrene	3	mg/kg		Y	0.36
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Acenaphthene	5	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Acenaphthylene	7.3	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Anthracene	15	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Benzo(a)anthracene	16	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Benzo(a)pyrene	14	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Benzo(b)fluoranthene	16	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Benzo(ghi)perylene	2.5	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Benzo(k)fluoranthene	17	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Chrysene	16	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Dibenz(a,h)anthracene	2	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Fluoranthene	53	mg/kg		Y	3.6
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Fluorene	12	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	3.4	mg/kg		Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	J	Y	1.8
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Naphthalene	0.058	mg/kg	J	Y	0.0055
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Phenanthrene	41	mg/kg		Y	3.6
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	YES	Pyrene	27	mg/kg		Y	1.8
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Chrysene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Pyrene	0.35	mg/kg	U	N	0.35
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	YES	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Benzo(a)anthracene	0.056	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Benzo(a)pyrene	0.078	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Benzo(b)fluoranthene	0.085	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Benzo(ghi)perylene	0.053	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Benzo(k)fluoranthene	0.084	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Chrysene	0.083	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Fluoranthene	0.15	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Fluorene	0.34	mg/kg	U	N	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.051	mg/kg	J	Y	[illegible]
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Naphthalene	0.34	mg/kg	U	N	[illegible]
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Naphthalene	0.0051	mg/kg	UJ	N	0.0051
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Phenanthrene	0.056	mg/kg	J	Y	0.34
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	YES	Pyrene	0.11	mg/kg	J	Y	0.34
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Chrysene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Fluoranthene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Anthracene	0.059	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Benzo(b)fluoranthene	0.19	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Benzo(ghi)perylene	0.065	mg/kg	J	Y	[illegible]
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Benzo(k)fluoranthene	0.29	mg/kg	J	Y	[illegible]
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Chrysene	0.2	mg/kg	J	Y	[illegible]
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Fluoranthene	0.35	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.062	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Phenanthrene	0.13	mg/kg	J	Y	0.38
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	YES	Pyrene	0.29	mg/kg	J	Y	0.38
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Acenaphthene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Acenaphthylene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Anthracene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Benzo(a)anthracene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Benzo(a)pyrene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Benzo(b)fluoranthene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Benzo(ghi)perylene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Benzo(k)fluoranthene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Chrysene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Dibenz(a,h)anthracene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Fluoranthene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Fluorene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Naphthalene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Phenanthrene	3.7	mg/kg	U	N	3.7
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	YES	Pyrene	3.7	mg/kg	U	N	3.7
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Benzo(a)pyrene	0.065	mg/kg	J	Y	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Benzo(b)fluoranthene	0.063	mg/kg	J	Y	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Benzo(ghi)perylene	0.086	mg/kg	J	Y	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Benzo(k)fluoranthene	0.064	mg/kg	J	Y	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Chrysene	0.042	mg/kg	J	Y	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Naphthalene	0.0056	mg/kg	U	N	0.0056
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	YES	Pyrene	0.038	mg/kg	J	Y	0.37
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Anthracene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Benzo(b)fluoranthene	0.04	mg/kg	J	Y	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Chrysene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Fluoranthene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Fluorene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Naphthalene	0.42	mg/kg	U	N	0.42
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Naphthalene	0.0063	mg/kg	U	N	0.0063
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Phenanthrene	0.42	mg/kg	U	N	0.42

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	YES	Pyrene	0.047	mg/kg	J	Y	0.42
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Anthracene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Benzo(b)fluoranthene	0.033	mg/kg	J	Y	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Chrysene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Fluoranthene	0.046	mg/kg	J	Y	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Fluorene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Naphthalene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Naphthalene	0.0061	mg/kg	U	N	0.0061
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	YES	Pyrene	0.045	mg/kg	J	Y	0.4
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Acenaphthylene	0.065	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Anthracene	0.039	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	[illegible]
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Benzo(a)pyrene	0.16	mg/kg	J	Y	[illegible]
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Benzo(b)fluoranthene	0.16	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Benzo(ghi)perylene	0.14	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Chrysene	0.16	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.062	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Naphthalene	0.0058	mg/kg	U	N	0.0058
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Phenanthrene	0.095	mg/kg	J	Y	0.39
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	YES	Pyrene	0.16	mg/kg	J	Y	0.39
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Acenaphthylene	0.53	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Anthracene	0.27	mg/kg	J	Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Benzo(a)anthracene	0.31	mg/kg	J	Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Benzo(a)pyrene	0.47	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Benzo(b)fluoranthene	0.5	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Benzo(ghi)perylene	1	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Benzo(k)fluoranthene	0.41	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Chrysene	0.28	mg/kg	J	Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Fluoranthene	0.36	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.51	mg/kg		Y	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	[illegible]
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Phenanthrene	0.11	mg/kg	J	Y	[illegible]
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	YES	Pyrene	0.35	mg/kg		Y	[illegible]
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Anthracene	0.38	mg/kg	U	N	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Chrysene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Naphthalene	0.0058	mg/kg	U	N	0.0058
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Pyrene	0.38	mg/kg	U	N	0.38
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Acenaphthylene	1.1	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Anthracene	0.64	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Benzo(a)anthracene	1.4	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Benzo(a)pyrene	2.5	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Benzo(b)fluoranthene	2	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Benzo(ghi)perylene	2	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Benzo(k)fluoranthene	1.9	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Chrysene	1.6	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.92	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Fluoranthene	1.3	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Naphthalene	0.0013	mg/kg	J	Y	0.006
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Phenanthrene	0.45	mg/kg		Y	0.39
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	YES	Pyrene	2.5	mg/kg		Y	0.39
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Acenaphthene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Anthracene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Benzo(k)fluoranthene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Chrysene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Fluoranthene	0.081	mg/kg	J	Y	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Fluorene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Naphthalene	0.0015	mg/kg	J	Y	0.0062
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Phenanthrene	0.41	mg/kg	U	N	0.41
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	YES	Pyrene	0.073	mg/kg	J	Y	0.41
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Acenaphthene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Acenaphthylene	0.094	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Anthracene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Benzo(a)anthracene	0.083	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Benzo(a)pyrene	0.43	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Benzo(ghi)perylene	0.31	mg/kg	J	Y	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Benzo(k)fluoranthene	0.34	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Chrysene	0.15	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.13	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Fluoranthene	0.16	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Fluorene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.29	mg/kg	J	Y	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Naphthalene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Phenanthrene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	YES	Pyrene	0.37	mg/kg	J	Y	0.38
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Benzo(a)anthracene	0.055	mg/kg	J	Y	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Benzo(b)fluoranthene	0.034	mg/kg	J	Y	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Benzo(k)fluoranthene	0.047	mg/kg	J	Y	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Chrysene	0.051	mg/kg	J	Y	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	[illegible]
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	[illegible]
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	YES	Pyrene	0.1	mg/kg	J	Y	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Benzo(b)fluoranthene	0.032	mg/kg	J	Y	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Chrysene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Fluoranthene	0.082	mg/kg	J	Y	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Naphthalene	0.0067	mg/kg	J	Y	0.0059
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	YES	Pyrene	0.077	mg/kg	J	Y	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	[illegible]
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	[illegible]
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	[illegible]
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Chrysene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Fluoranthene	0.39	mg/kg	U	N	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Naphthalene	0.0059	mg/kg	U	N	0.0059
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	YES	Pyrene	0.39	mg/kg	U	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Acenaphthylene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Anthracene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Benzo(a)anthracene	0.077	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Benzo(a)pyrene	0.087	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Benzo(b)fluoranthene	0.085	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Benzo(ghi)perylene	0.047	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Benzo(k)fluoranthene	0.07	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Chrysene	0.071	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Fluoranthene	0.17	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Fluorene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.045	mg/kg	J	Y	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	UJ	N	0.39
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	YES	Pyrene	0.22	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Acenaphthylene	0.057	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Benzo(a)anthracene	0.089	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Benzo(k)fluoranthene	0.088	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Chrysene	0.079	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.044	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.094	mg/kg	J	Y	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	YES	Pyrene	0.12	mg/kg	J	Y	0.39
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Acenaphthene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Acenaphthylene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Anthracene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Benzo(a)anthracene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Benzo(a)pyrene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Chrysene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Fluorene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Naphthalene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Phenanthrene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	YES	Pyrene	0.37	mg/kg	UJ	N	0.37
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Acenaphthylene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Anthracene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Benzo(a)anthracene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Benzo(a)pyrene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Benzo(b)fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Chrysene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Fluorene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Pyrene	0.39	mg/kg	UJ	N	0.39
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Anthracene	0.39	mg/kg	U	N	[illegible]
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	[illegible]
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Benzo(a)pyrene	0.054	mg/kg	J	Y	[illegible]
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Benzo(b)fluoranthene	0.058	mg/kg	J	Y	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Chrysene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Fluoranthene	0.048	mg/kg	J	Y	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Pyrene	0.076	mg/kg	J	Y	0.39
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Anthracene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Chrysene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Fluoranthene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Fluorene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Naphthalene	0.42	mg/kg	U	N	[illegible]
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Naphthalene	0.0063	mg/kg	U	N	[illegible]
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Phenanthrene	0.42	mg/kg	U	N	[illegible]
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	YES	Pyrene	0.42	mg/kg	U	N	0.42
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Acenaphthylene	0.17	mg/kg	J	Y	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Anthracene	0.073	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Benzo(a)anthracene	0.2	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Benzo(a)pyrene	0.37	mg/kg		Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Benzo(b)fluoranthene	0.42	mg/kg		Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Benzo(k)fluoranthene	0.32	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Chrysene	0.2	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.14	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Fluoranthene	0.18	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.31	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Naphthalene	0.0056	mg/kg	U	N	0.0056
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Pyrene	0.21	mg/kg	J	Y	0.37
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Naphthalene	0.0057	mg/kg	U	N	0.0057
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Acenaphthene	3.5	mg/kg	U	N	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Acenaphthylene	2.4	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Anthracene	1.4	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Benzo(a)anthracene	0.98	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Benzo(a)pyrene	2.2	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Benzo(b)fluoranthene	1.4	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Benzo(ghi)perylene	1.7	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Benzo(k)fluoranthene	2.4	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Chrysene	1.1	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.83	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Fluoranthene	1.4	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Fluorene	3.5	mg/kg	U	N	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.7	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Naphthalene	3.5	mg/kg	U	N	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Phenanthrene	0.31	mg/kg	J	Y	3.5
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	YES	Pyrene	1.3	mg/kg	J	Y	3.5
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Acenaphthylene	0.22	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Anthracene	0.17	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Benzo(a)anthracene	0.56	mg/kg		Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Benzo(a)pyrene	0.68	mg/kg		Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Benzo(b)fluoranthene	0.54	mg/kg		Y	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Benzo(ghi)perylene	0.29	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Benzo(k)fluoranthene	0.69	mg/kg		Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Chrysene	0.56	mg/kg		Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.16	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Fluoranthene	1	mg/kg		Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Fluorene	0.089	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.32	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Naphthalene	0.17	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Naphthalene	0.0046	mg/kg	J	Y	0.0055
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Phenanthrene	0.29	mg/kg	J	Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Pyrene	1.2	mg/kg		Y	0.37
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Benzo(a)pyrene	0.049	mg/kg	J	Y	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Benzo(b)fluoranthene	0.063	mg/kg	J	Y	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Benzo(ghi)perylene	0.045	mg/kg	J	Y	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Benzo(k)fluoranthene	0.058	mg/kg	J	Y	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Chrysene	0.045	mg/kg	J	Y	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Fluoranthene	0.058	mg/kg	J	Y	[illegible]
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Fluorene	0.35	mg/kg	U	N	[illegible]
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	[illegible]
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Pyrene	0.05	mg/kg	J	Y	0.35
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Acenaphthylene	0.04	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Anthracene	0.065	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Benzo(a)anthracene	0.071	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Benzo(a)pyrene	0.061	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Benzo(b)fluoranthene	0.05	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Benzo(k)fluoranthene	0.071	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Chrysene	0.071	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Fluoranthene	0.17	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Fluorene	0.077	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.033	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Phenanthrene	0.18	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Pyrene	0.12	mg/kg	J	Y	0.37
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	YES	Acenaphthene	4.1	mg/kg		Y	0.4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Acenaphthylene	6.6	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Anthracene	17	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Benzo(a)anthracene	18	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Benzo(a)pyrene	14	mg/kg		Y	[illegible]
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Benzo(b)fluoranthene	15	mg/kg		Y	[illegible]
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Benzo(ghi)perylene	1.5	mg/kg		Y	[illegible]
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Benzo(k)fluoranthene	13	mg/kg	J	Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Chrysene	17	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	1.3	mg/kg		Y	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Fluoranthene	50	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Fluorene	16	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg		Y	0.4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Naphthalene	0.28	mg/kg	J	Y	0.4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Naphthalene	0.0073	mg/kg	J	Y	0.006
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Phenanthrene	47	mg/kg		Y	4
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	YES	Pyrene	33	mg/kg		Y	4
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Acenaphthylene	0.083	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Anthracene	0.058	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Benzo(a)anthracene	0.062	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Benzo(ghi)perylene	0.087	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Chrysene	0.08	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.052	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.09	mg/kg	J	Y	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	YES	Pyrene	0.095	mg/kg	J	Y	0.38
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Acenaphthylene	0.055	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Anthracene	0.035	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Benzo(a)anthracene	0.077	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Benzo(ghi)perylene	0.064	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Chrysene	0.1	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.035	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Fluoranthene	0.11	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Naphthalene	0.0071	mg/kg	UJ	N	0.0071
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Phenanthrene	0.042	mg/kg	J	Y	0.37
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	YES	Pyrene	0.11	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Benzo(a)anthracene	0.038	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Benzo(a)pyrene	0.044	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Benzo(b)fluoranthene	0.038	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Benzo(k)fluoranthene	0.055	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Chrysene	0.048	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Fluoranthene	0.053	mg/kg	J	Y	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	YES	Pyrene	0.045	mg/kg	J	Y	0.37
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Anthracene	0.079	mg/kg	J	Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Benzo(a)anthracene	0.73	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Benzo(a)pyrene	1.6	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Benzo(b)fluoranthene	2.1	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Benzo(k)fluoranthene	0.61	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Chrysene	0.94	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Fluoranthene	1.1	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.2	mg/kg	J	Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Phenanthrene	0.18	mg/kg	J	Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Pyrene	1.1	mg/kg		Y	0.36
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	[illegible]
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Anthracene	0.38	mg/kg	U	N	[illegible]
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Benzo(a)anthracene	0.041	mg/kg	J	Y	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Benzo(b)fluoranthene	0.067	mg/kg	J	Y	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Chrysene	0.04	mg/kg	J	Y	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Fluoranthene	0.081	mg/kg	J	Y	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	YES	Pyrene	0.065	mg/kg	J	Y	0.38
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Acenaphthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Benzo(a)pyrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Benzo(b)fluoranthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Benzo(k)fluoranthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Chrysene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Fluoranthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Fluorene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	[illegible]
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Naphthalene	0.44	mg/kg	U	N	[illegible]
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Naphthalene	0.0067	mg/kg	UJ	N	[illegible]
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Phenanthrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	YES	Pyrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Acenaphthene	1.5	mg/kg	J	Y	3.6

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Acenaphthylene	0.73	mg/kg	J	Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Anthracene	5	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Benzo(a)anthracene	5.9	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Benzo(a)pyrene	4.4	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Benzo(b)fluoranthene	5.7	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Benzo(ghi)perylene	2.4	mg/kg	J	Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Benzo(k)fluoranthene	2.1	mg/kg	J	Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Chrysene	5.7	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.68	mg/kg	J	Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Fluoranthene	18	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Fluorene	6.1	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	2.8	mg/kg	J	Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Naphthalene	1.5	mg/kg	J	Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Naphthalene	3.7	mg/kg	E	Y	0.0055
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Phenanthrene	24	mg/kg		Y	3.6
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	YES	Pyrene	14	mg/kg		Y	3.6
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Acenaphthene	0.89	mg/kg	J	Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Acenaphthylene	0.58	mg/kg	J	Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Anthracene	5.4	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Benzo(a)anthracene	9.2	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Benzo(a)pyrene	7.8	mg/kg		Y	4.7
MP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Benzo(b)fluoranthene	9.8	mg/kg		Y	4.7
MP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Benzo(ghi)perylene	4.7	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Benzo(k)fluoranthene	4.3	mg/kg	J	Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Chrysene	9.3	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	1.2	mg/kg	J	Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Fluoranthene	26	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Fluorene	4.6	mg/kg	J	Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	5.2	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Naphthalene	4.7	mg/kg	U	N	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Phenanthrene	30	mg/kg		Y	4.7
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	YES	Pyrene	24	mg/kg		Y	4.7
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Acenaphthene	2.9	mg/kg	J	Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Acenaphthylene	1.8	mg/kg	J	Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Anthracene	15	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Benzo(a)anthracene	19	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Benzo(a)pyrene	15	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Benzo(b)fluoranthene	19	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Benzo(ghi)perylene	8.4	mg/kg	J	Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Benzo(k)fluoranthene	8.1	mg/kg	J	Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Chrysene	18	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Dibenz(a,h)anthracene	14	mg/kg	U	N	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Fluoranthene	55	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Fluorene	15	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	9.6	mg/kg	J	Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Naphthalene	14	mg/kg	U	N	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Naphthalene	0.087	mg/kg	J	Y	0.0055
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Phenanthrene	67	mg/kg		Y	14
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	YES	Pyrene	45	mg/kg		Y	14
MP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
PMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Chrysene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Fluorene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Naphthalene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Pyrene	0.4	mg/kg	U	N	0.4
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	YES	Acenaphthene	2.4	mg/kg	U	N	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Acenaphthylene	0.27	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Anthracene	0.65	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Benzo(a)anthracene	2.8	mg/kg		Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Benzo(a)pyrene	2.2	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Benzo(ghi)perylene	1.2	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Benzo(k)fluoranthene	1.1	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Chrysene	2.8	mg/kg		Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.42	mg/kg	J	Y	[illegible]
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Fluoranthene	7.5	mg/kg		Y	[illegible]
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Fluorene	0.43	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.3	mg/kg	J	Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Naphthalene	2.4	mg/kg	U	N	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Naphthalene	0.0023	mg/kg	J	Y	0.0055
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Phenanthrene	2.7	mg/kg		Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Pyrene	6.3	mg/kg		Y	2.4
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Benzo(b)fluoranthene	0.046	mg/kg	J	Y	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Chrysene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Fluoranthene	0.053	mg/kg	J	Y	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Phenanthrene	0.042	mg/kg	J	Y	0.39
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	YES	Pyrene	0.047	mg/kg	J	Y	0.39
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Acenaphthene	0.97	mg/kg	R	N	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Acenaphthylene	0.88	mg/kg	J	Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Anthracene	0.31	mg/kg	J	Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Benzo(a)anthracene	4	mg/kg	J	Y	[illegible]
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Benzo(a)pyrene	4.9	mg/kg		Y	[illegible]
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Benzo(b)fluoranthene	6.8	mg/kg		Y	[illegible]
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Benzo(ghi)perylene	4.7	mg/kg		Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Benzo(k)fluoranthene	2.4	mg/kg		Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Chrysene	4	mg/kg	J	Y	0.97

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Dibenz(a,h)anthracene	1	mg/kg	J	Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Fluoranthene	4.3	mg/kg	J	Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Fluorene	0.97	mg/kg	R	N	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	4.2	mg/kg	J	Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Naphthalene	0.97	mg/kg	R	N	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Phenanthrene	0.79	mg/kg	J	Y	0.97
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	YES	Pyrene	5.7	mg/kg		Y	0.97
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Acenaphthene	0.049	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Acenaphthylene	0.062	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Anthracene	0.078	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Benzo(a)anthracene	0.44	mg/kg		Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Benzo(a)pyrene	0.48	mg/kg		Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Benzo(b)fluoranthene	0.58	mg/kg		Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Benzo(ghi)perylene	0.28	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Chrysene	0.43	mg/kg		Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.074	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Fluoranthene	1	mg/kg		Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Fluorene	0.078	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Naphthalene	0.14	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Naphthalene	0.081	mg/kg	J	Y	0.0064
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Phenanthrene	0.087	mg/kg	J	Y	0.42
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	YES	Pyrene	0.93	mg/kg		Y	0.42
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Acenaphthene	0.37	mg/kg	UJ	N	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Acenaphthylene	0.34	mg/kg	J	Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Anthracene	0.073	mg/kg	J	Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Benzo(a)anthracene	0.41	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Benzo(a)pyrene	0.94	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Benzo(b)fluoranthene	1.4	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Benzo(k)fluoranthene	0.57	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Chrysene	0.54	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.23	mg/kg	J	Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Fluoranthene	0.57	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.97	mg/kg		Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Phenanthrene	0.13	mg/kg	J	Y	0.37
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	YES	Pyrene	0.52	mg/kg	J	Y	0.37
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Acenaphthene	1.5	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Acenaphthylene	0.55	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Anthracene	2.8	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Benzo(a)anthracene	6	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Benzo(a)pyrene	6.4	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Benzo(b)fluoranthene	8.9	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Benzo(ghi)perylene	2.9	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Benzo(k)fluoranthene	3.6	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Chrysene	6	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.92	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Fluoranthene	15	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Fluorene	2.3	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	3.3	mg/kg		Y	3

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Naphthalene	0.95	mg/kg	J	Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Naphthalene	0.12	mg/kg	J	Y	0.0056
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Phenanthrene	9.1	mg/kg		Y	3
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	YES	Pyrene	13	mg/kg		Y	3
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Acenaphthene	12	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Acenaphthylene	1.6	mg/kg	J	Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Anthracene	13	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Benzo(a)anthracene	15	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Benzo(a)pyrene	12	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Benzo(b)fluoranthene	16	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Benzo(ghi)perylene	6.3	mg/kg	J	Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Benzo(k)fluoranthene	7	mg/kg	J	Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Chrysene	14	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Dibenz(a,h)anthracene	1.7	mg/kg	J	Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Fluoranthene	44	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Fluorene	16	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	6.9	mg/kg	J	Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Naphthalene	61	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Naphthalene	85	mg/kg	D	Y	3.5
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Phenanthrene	44	mg/kg		Y	11
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	YES	Pyrene	30	mg/kg		Y	11
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Acenaphthene	0.44	mg/kg	J	Y	[illegible]
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Acenaphthylene	0.38	mg/kg	J	Y	[illegible]
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Anthracene	0.59	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Benzo(a)anthracene	2.4	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Benzo(a)pyrene	3.7	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Benzo(b)fluoranthene	5.1	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Benzo(ghi)perylene	2.8	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Benzo(k)fluoranthene	1.6	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Chrysene	2.5	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.79	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Fluoranthene	4.5	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Fluorene	0.48	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	2.7	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Naphthalene	0.96	mg/kg	R	N	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Phenanthrene	2	mg/kg	J	Y	0.96
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	YES	Pyrene	4.8	mg/kg	J	Y	0.96
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Acenaphthene	0.12	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Anthracene	0.13	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Benzo(a)anthracene	0.24	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Benzo(b)fluoranthene	0.24	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Benzo(ghi)perylene	0.095	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Benzo(k)fluoranthene	0.09	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Chrysene	0.24	mg/kg	J	Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Fluoranthene	0.75	mg/kg		Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Fluorene	0.13	mg/kg	J	Y	[illegible]
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.09	mg/kg	J	Y	[illegible]
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Naphthalene	0.4	mg/kg	U	N	[illegible]
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Naphthalene	0.0044	mg/kg	J	Y	0.0061
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Phenanthrene	0.55	mg/kg		Y	0.4
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	YES	Pyrene	0.5	mg/kg		Y	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Acenaphthene	0.38	mg/kg	R	N	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Acenaphthylene	0.23	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Anthracene	0.04	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Benzo(a)anthracene	0.5	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Benzo(a)pyrene	1.1	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Benzo(b)fluoranthene	1.3	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Benzo(ghi)perylene	1.1	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Benzo(k)fluoranthene	0.52	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Chrysene	0.57	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Fluoranthene	0.44	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Fluorene	0.38	mg/kg	R	N	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.94	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Naphthalene	0.38	mg/kg	R	N	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Phenanthrene	0.087	mg/kg	J	Y	0.38
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	YES	Pyrene	0.61	mg/kg		Y	0.38
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Acenaphthene	1.5	mg/kg	R	N	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Acenaphthylene	0.58	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Anthracene	1.5	mg/kg	R	N	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Benzo(a)anthracene	1.1	mg/kg	J	Y	1.5
MP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Benzo(a)pyrene	2.2	mg/kg	J	Y	1.5
MP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Benzo(b)fluoranthene	2.7	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Benzo(ghi)perylene	2.1	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Benzo(k)fluoranthene	0.93	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Chrysene	1.3	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.5	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Fluoranthene	1.1	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Fluorene	1.5	mg/kg	R	N	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Naphthalene	1.5	mg/kg	R	N	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Phenanthrene	0.22	mg/kg	J	Y	1.5
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	YES	Pyrene	1	mg/kg	J	Y	1.5
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Acenaphthene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Acenaphthylene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Anthracene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Benzo(a)anthracene	0.26	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Benzo(a)pyrene	0.22	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Benzo(ghi)perylene	0.19	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Benzo(k)fluoranthene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Chrysene	0.32	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Fluoranthene	0.6	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Fluorene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Naphthalene	0.93	mg/kg	R	N	0.93
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Phenanthrene	0.24	mg/kg	J	Y	0.93
MP-75-GP28	SS	KJ0055	21-Jan-99	YES	YES	Pyrene	0.43	mg/kg	J	Y	0.93
PMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Acenaphthene	0.43	mg/kg	U	N	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Acenaphthylene	0.22	mg/kg	J	Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Anthracene	0.24	mg/kg	J	Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Benzo(a)anthracene	0.44	mg/kg		Y	0.43

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Benzo(a)pyrene	0.61	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.95	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.46	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.67	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Chrysene	0.57	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.19	mg/kg	J	Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Fluoranthene	0.52	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Fluorene	0.43	mg/kg	U	N	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Naphthalene	0.43	mg/kg	U	N	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Phenanthrene	0.16	mg/kg	J	Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Pyrene	0.53	mg/kg		Y	0.43
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	YES	Acenaphthene	0.51	mg/kg	U	N	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Acenaphthylene	0.17	mg/kg	J	Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Anthracene	0.22	mg/kg	J	Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Benzo(a)anthracene	0.43	mg/kg	J	Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Benzo(a)pyrene	0.69	mg/kg		Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.86	mg/kg		Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.4	mg/kg	J	Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.91	mg/kg		Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Chrysene	0.61	mg/kg		Y	[illegible]
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.2	mg/kg	J	Y	[illegible]
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Fluoranthene	0.53	mg/kg		Y	[illegible]
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Fluorene	0.51	mg/kg	U	N	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	J	Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Naphthalene	0.51	mg/kg	U	N	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Naphthalene	0.0077	mg/kg	UJ	N	0.0077
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Phenanthrene	0.22	mg/kg	J	Y	0.51
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	YES	Pyrene	0.55	mg/kg		Y	0.51
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Acenaphthene	0.43	mg/kg	U	N	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Acenaphthylene	0.16	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Anthracene	0.15	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Benzo(a)anthracene	0.33	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Benzo(a)pyrene	0.51	mg/kg		Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.56	mg/kg		Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.65	mg/kg		Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Chrysene	0.42	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.15	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Fluoranthene	0.53	mg/kg		Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Fluorene	0.43	mg/kg	U	N	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Naphthalene	0.43	mg/kg	U	N	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Phenanthrene	0.2	mg/kg	J	Y	0.43
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	YES	Pyrene	0.52	mg/kg		Y	0.43
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Acenaphthene	0.5	mg/kg	U	N	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Acenaphthylene	0.17	mg/kg	J	Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Anthracene	0.18	mg/kg	J	Y	[illegible]
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Benzo(a)anthracene	0.41	mg/kg	J	Y	[illegible]
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Benzo(a)pyrene	0.54	mg/kg		Y	[illegible]
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.87	mg/kg		Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.44	mg/kg	J	Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.52	mg/kg		Y	0.5

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Chrysene	0.51	mg/kg		Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.21	mg/kg	J	Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Fluoranthene	0.43	mg/kg	J	Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Fluorene	0.5	mg/kg	U	N	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg	J	Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Naphthalene	0.5	mg/kg	U	N	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Naphthalene	0.0075	mg/kg	UJ	N	0.0075
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Phenanthrene	0.12	mg/kg	J	Y	0.5
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	YES	Pyrene	0.47	mg/kg	J	Y	0.5
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Acenaphthene	0.41	mg/kg	U	N	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Acenaphthylene	0.079	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Anthracene	0.08	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Benzo(a)pyrene	0.22	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.28	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.33	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Chrysene	0.28	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.069	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Fluoranthene	0.27	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Fluorene	0.41	mg/kg	U	N	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Phenanthrene	0.066	mg/kg	J	Y	0.41
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	YES	Pyrene	0.26	mg/kg	J	Y	0.41
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Acenaphthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Acenaphthylene	0.18	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Anthracene	0.24	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Benzo(a)anthracene	0.32	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Benzo(a)pyrene	0.4	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.77	mg/kg		Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.23	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.54	mg/kg		Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Chrysene	0.49	mg/kg		Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.11	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Fluoranthene	0.44	mg/kg		Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Fluorene	0.44	mg/kg	U	N	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Naphthalene	0.11	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Phenanthrene	0.11	mg/kg	J	Y	0.44
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	YES	Pyrene	0.47	mg/kg		Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Acenaphthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Acenaphthylene	0.045	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Anthracene	0.063	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Benzo(a)anthracene	0.16	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Benzo(a)pyrene	0.19	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.34	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.061	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.29	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Chrysene	0.29	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Fluoranthene	0.19	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Fluorene	0.44	mg/kg	U	N	0.44

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.076	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Naphthalene	0.44	mg/kg	U	N	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Phenanthrene	0.093	mg/kg	J	Y	0.44
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	YES	Pyrene	0.22	mg/kg	J	Y	0.44
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Acenaphthene	0.43	mg/kg	U	N	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Anthracene	0.12	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Benzo(a)anthracene	0.22	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Benzo(a)pyrene	0.35	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.43	mg/kg		Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.55	mg/kg		Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Chrysene	0.38	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.067	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Fluoranthene	0.4	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Fluorene	0.43	mg/kg	U	N	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.16	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Naphthalene	0.43	mg/kg	U	N	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Phenanthrene	0.21	mg/kg	J	Y	0.43
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	YES	Pyrene	0.43	mg/kg		Y	0
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Acenaphthene	0.2	mg/kg	J	Y	1
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Acenaphthylene	0.31	mg/kg	J	Y	1.
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Anthracene	0.75	mg/kg	J	Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Benzo(a)anthracene	3.1	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Benzo(a)pyrene	3.3	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Benzo(b)fluoranthene	6	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Benzo(ghi)perylene	2	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Benzo(k)fluoranthene	2.1	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Chrysene	3.8	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.57	mg/kg	J	Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Fluoranthene	5.4	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Fluorene	1.4	mg/kg	U	N	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	2	mg/kg		Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Naphthalene	1.4	mg/kg	U	N	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Phenanthrene	1.2	mg/kg	J	Y	1.4
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	YES	Pyrene	4.9	mg/kg		Y	1.4
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Acenaphthene	0.8	mg/kg	U	N	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Acenaphthylene	0.16	mg/kg	J	Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Anthracene	0.24	mg/kg	J	Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Benzo(a)anthracene	1.3	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Benzo(a)pyrene	0.86	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Benzo(b)fluoranthene	3.4	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Benzo(ghi)perylene	1.3	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Benzo(k)fluoranthene	1.3	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Chrysene	3.1	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.34	mg/kg	J	Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Fluoranthene	1.9	mg/kg		Y	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Fluorene	0.8	mg/kg	U	N	
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.4	mg/kg		Y	
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Naphthalene	0.8	mg/kg	U	N	0.8
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Naphthalene	0.0061	mg/kg	U	N	0.0061
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Phenanthrene	0.29	mg/kg	J	Y	0.8

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	YES	Pyrene	1.1	mg/kg		Y	0.8
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Acenaphthene	0.15	mg/kg	J	Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Acenaphthylene	0.18	mg/kg	J	Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Anthracene	0.34	mg/kg	J	Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Benzo(a)anthracene	1.3	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Benzo(a)pyrene	1.7	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Benzo(b)fluoranthene	2.6	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Benzo(ghi)perylene	1.3	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Benzo(k)fluoranthene	1	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Chrysene	1.8	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.31	mg/kg	J	Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Fluoranthene	3.7	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Fluorene	0.15	mg/kg	J	Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.3	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Naphthalene	0.37	mg/kg	J	Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Phenanthrene	2.7	mg/kg		Y	0.79
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	YES	Pyrene	2.9	mg/kg		Y	0.79
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Anthracene	0.094	mg/kg	J	Y	0.4
MP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Benzo(a)anthracene	0.52	mg/kg		Y	0.4
MP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Benzo(a)pyrene	0.58	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Benzo(b)fluoranthene	1	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Benzo(ghi)perylene	0.57	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Benzo(k)fluoranthene	0.41	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Chrysene	0.64	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.094	mg/kg	J	Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Fluoranthene	0.82	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Fluorene	0.4	mg/kg	U	N	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.52	mg/kg		Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Naphthalene	0.4	mg/kg	U	N	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Phenanthrene	0.28	mg/kg	J	Y	0.4
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	YES	Pyrene	0.67	mg/kg		Y	0.4
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Acenaphthene	0.53	mg/kg	J	Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Acenaphthylene	1	mg/kg	U	N	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Anthracene	1.2	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Benzo(a)anthracene	2	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Benzo(a)pyrene	2.2	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Benzo(b)fluoranthene	3.1	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Benzo(ghi)perylene	1.5	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Benzo(k)fluoranthene	1.1	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Chrysene	2.1	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	J	Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Fluoranthene	5.5	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Fluorene	0.68	mg/kg	J	Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	1.5	mg/kg		Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Naphthalene	0.38	mg/kg	J	Y	1
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Naphthalene	0.034	mg/kg	J	Y	0.006
MP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Phenanthrene	4.9	mg/kg		Y	1
MP-75-GP44	SS	KJ0091	25-Jan-99	YES	YES	Pyrene	3.9	mg/kg		Y	1
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Acenaphthene	3.8	mg/kg	U	N	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Acenaphthylene	1.3	mg/kg	J	Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Anthracene	4.3	mg/kg		Y	3.8

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Benzo(a)anthracene	11	mg/kg		Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Benzo(a)pyrene	9.7	mg/kg		Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Benzo(b)fluoranthene	23	mg/kg		Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Benzo(ghi)perylene	5	mg/kg	J	Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Benzo(k)fluoranthene	7.8	mg/kg		Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Chrysene	14	mg/kg		Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	1.8	mg/kg	J	Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Fluoranthene	11	mg/kg		Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Fluorene	3.8	mg/kg	U	N	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	5.8	mg/kg	J	Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Naphthalene	3.8	mg/kg	U	N	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Phenanthrene	1	mg/kg	J	Y	3.8
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	YES	Pyrene	11	mg/kg		Y	3.8
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Anthracene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Benzo(a)pyrene	0.15	mg/kg	J	Y	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Benzo(b)fluoranthene	0.35	mg/kg	J	Y	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Chrysene	0.14	mg/kg	J	Y	0.
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Fluoranthene	0.12	mg/kg	J	Y	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	YES	Pyrene	0.12	mg/kg	J	Y	0.36
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Acenaphthene	0.41	mg/kg	U	N	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Anthracene	0.057	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Benzo(a)anthracene	0.33	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Benzo(a)pyrene	0.4	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Benzo(b)fluoranthene	0.7	mg/kg		Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Benzo(ghi)perylene	0.23	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Chrysene	0.45	mg/kg		Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.068	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Fluoranthene	0.68	mg/kg		Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Fluorene	0.41	mg/kg	U	N	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Phenanthrene	0.27	mg/kg	J	Y	0.41
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	YES	Pyrene	0.48	mg/kg		Y	0.41
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Acenaphthylene	0.42	mg/kg	U	N	0.4
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Anthracene	0.42	mg/kg	U	N	0
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Benzo(a)anthracene	0.37	mg/kg	J	Y	0.
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Benzo(a)pyrene	0.38	mg/kg	J	Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Benzo(b)fluoranthene	0.77	mg/kg		Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Benzo(ghi)perylene	0.22	mg/kg	J	Y	0.42

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Chrysene	0.52	mg/kg		Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Fluoranthene	0.46	mg/kg		Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Fluorene	0.42	mg/kg	U	N	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.24	mg/kg	J	Y	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Naphthalene	0.42	mg/kg	U	N	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Phenanthrene	0.42	mg/kg	U	N	0.42
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	YES	Pyrene	0.41	mg/kg	J	Y	0.42
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Acenaphthene	0.45	mg/kg	U	N	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Anthracene	0.11	mg/kg	J	Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Benzo(a)anthracene	1.1	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Benzo(a)pyrene	0.84	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Benzo(b)fluoranthene	1.6	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Benzo(ghi)perylene	0.42	mg/kg	J	Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Benzo(k)fluoranthene	0.58	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Chrysene	1.2	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.15	mg/kg	J	Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Fluoranthene	1.4	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Fluorene	0.45	mg/kg	U	N	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.48	mg/kg		Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Naphthalene	0.45	mg/kg	U	N	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Naphthalene	0.0068	mg/kg	UJ	N	0.0068
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Phenanthrene	0.11	mg/kg	J	Y	0.45
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	YES	Pyrene	1.1	mg/kg		Y	0.45
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Acenaphthene	0.44	mg/kg	UJ	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Benzo(a)pyrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Benzo(b)fluoranthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Chrysene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Fluoranthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Fluorene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Naphthalene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Phenanthrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	YES	Pyrene	0.44	mg/kg	U	N	0.44
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Acenaphthene	0.43	mg/kg	UJ	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Acenaphthylene	0.43	mg/kg	U	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Anthracene	0.43	mg/kg	U	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Benzo(a)anthracene	0.061	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Benzo(a)pyrene	0.094	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Benzo(b)fluoranthene	0.15	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.08	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.06	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Chrysene	0.091	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Fluoranthene	0.11	mg/kg	J	Y	0.43

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Fluorene	0.43	mg/kg	U	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.081	mg/kg	J	Y	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Naphthalene	0.43	mg/kg	U	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Phenanthrene	0.43	mg/kg	U	N	0.43
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	YES	Pyrene	0.087	mg/kg	J	Y	0.43
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Acenaphthene	0.35	mg/kg	UJ	N	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Anthracene	0.15	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Benzo(a)anthracene	0.086	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Benzo(b)fluoranthene	0.18	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.065	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Chrysene	0.12	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Fluoranthene	0.26	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.1	mg/kg	J	Y	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Naphthalene	0.0053	mg/kg	U	N	0.0053
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Phenanthrene	0.15	mg/kg	J	Y	[illegible]
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	YES	Pyrene	0.19	mg/kg	J	Y	[illegible]
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Acenaphthene	0.41	mg/kg	UJ	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Anthracene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Chrysene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Fluoranthene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Fluorene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Naphthalene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Phenanthrene	0.41	mg/kg	U	N	0.41
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	YES	Pyrene	0.41	mg/kg	U	N	0.41
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Acenaphthene	0.38	mg/kg	UJ	N	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Anthracene	0.056	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Benzo(a)anthracene	0.2	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Benzo(a)pyrene	0.27	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.17	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.16	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Chrysene	0.25	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	[illegible]
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Fluoranthene	0.5	mg/kg		Y	[illegible]
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Fluorene	0.38	mg/kg	U	N	[illegible]
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Phenanthrene	0.3	mg/kg	J	Y	0.38
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	YES	Pyrene	0.35	mg/kg	J	Y	0.38
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Acenaphthene	0.39	mg/kg	UJ	N	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Anthracene	0.092	mg/kg	J	Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Benzo(a)anthracene	0.71	mg/kg		Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Benzo(a)pyrene	0.68	mg/kg	J	Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Benzo(b)fluoranthene	1.3	mg/kg		Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.36	mg/kg	J	Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.47	mg/kg		Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Chrysene	0.89	mg/kg		Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.12	mg/kg	J	Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Fluoranthene	1.4	mg/kg		Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Fluorene	0.39	mg/kg	U	N	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg		Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Phenanthrene	0.25	mg/kg	J	Y	0.39
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	YES	Pyrene	0.97	mg/kg		Y	0.39
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Acenaphthene	0.44	mg/kg	UJ	N	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Acenaphthylene	0.085	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Anthracene	0.44	mg/kg	U	N	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Benzo(a)anthracene	0.4	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Benzo(a)pyrene	0.48	mg/kg		Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Benzo(b)fluoranthene	0.9	mg/kg		Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Benzo(ghi)perylene	0.25	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Benzo(k)fluoranthene	0.35	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Chrysene	0.55	mg/kg		Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.078	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Fluoranthene	0.6	mg/kg		Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Fluorene	0.44	mg/kg	U	N	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Naphthalene	0.44	mg/kg	U	N	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Phenanthrene	0.13	mg/kg	J	Y	0.44
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	YES	Pyrene	0.41	mg/kg	J	Y	0.44
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Acenaphthene	1.6	mg/kg	UJ	N	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Acenaphthylene	1.5	mg/kg	J	Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Anthracene	0.37	mg/kg	J	Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Benzo(a)anthracene	4.1	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Benzo(a)pyrene	5.4	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Benzo(b)fluoranthene	8	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Benzo(ghi)perylene	4.8	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Benzo(k)fluoranthene	2.6	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Chrysene	4.7	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Dibenz(a,h)anthracene	1	mg/kg	J	Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Fluoranthene	6.5	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Fluorene	1.6	mg/kg	U	N	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	4	mg/kg		Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Naphthalene	1.6	mg/kg	U	N	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Phenanthrene	0.81	mg/kg	J	Y	1.6
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	YES	Pyrene	5.4	mg/kg		Y	1.6
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Anthracene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Benzo(a)pyrene	0.086	mg/kg	J	Y	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Benzo(b)fluoranthene	0.069	mg/kg	J	Y	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Benzo(k)fluoranthene	0.092	mg/kg	J	Y	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Chrysene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Fluoranthene	0.026	mg/kg	J	Y	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Fluorene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Naphthalene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	YES	Pyrene	0.046	mg/kg	J	Y	0.36
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Acenaphthene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Acenaphthylene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Anthracene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Benzo(a)anthracene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Benzo(a)pyrene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Benzo(b)fluoranthene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Benzo(ghi)perylene	0.4	mg/kg	R	N	[illegible]
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Benzo(k)fluoranthene	0.4	mg/kg	R	N	[illegible]
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Chrysene	0.041	mg/kg	J	Y	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Fluoranthene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Fluorene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Naphthalene	0.4	mg/kg	R	N	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Naphthalene	0.0052	mg/kg	J	Y	0.0061
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Phenanthrene	0.052	mg/kg	J	Y	0.4
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	YES	Pyrene	0.4	mg/kg	R	N	0.4
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Acenaphthene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Acenaphthylene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Anthracene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Benzo(a)anthracene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Benzo(a)pyrene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Chrysene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Fluoranthene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Fluorene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Naphthalene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Naphthalene	0.0027	mg/kg	J	Y	0.0057
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Phenanthrene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	YES	Pyrene	0.38	mg/kg	UJ	N	0.38
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Acenaphthene	0.37	mg/kg	U	N	[illegible]
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Acenaphthylene	0.086	mg/kg	J	Y	[illegible]
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Anthracene	0.099	mg/kg	J	Y	[illegible]
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Benzo(a)anthracene	0.18	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Benzo(b)fluoranthene	0.21	mg/kg	J	Y	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Benzo(ghi)perylene	0.076	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Chrysene	0.2	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Fluoranthene	0.17	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.07	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Phenanthrene	0.043	mg/kg	J	Y	0.37
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	YES	Pyrene	0.17	mg/kg	J	Y	0.37
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Acenaphthylene	0.082	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Anthracene	0.076	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Benzo(a)anthracene	0.092	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Benzo(a)pyrene	0.16	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Benzo(b)fluoranthene	0.13	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Chrysene	0.12	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.064	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Fluoranthene	0.09	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Phenanthrene	0.037	mg/kg	J	Y	0.38
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	YES	Pyrene	0.12	mg/kg	J	Y	0.38
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Acenaphthene	0.26	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Acenaphthylene	0.1	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Anthracene	0.21	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Benzo(a)anthracene	0.21	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Benzo(a)pyrene	0.16	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Benzo(ghi)perylene	0.095	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Chrysene	0.22	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.047	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Fluoranthene	0.47	mg/kg		Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Fluorene	0.7	mg/kg		Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Naphthalene	0.24	mg/kg	J	Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Naphthalene	0.07	mg/kg	J	Y	0.0053
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Phenanthrene	1.8	mg/kg		Y	0.35
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	YES	Pyrene	0.58	mg/kg		Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Anthracene	0.042	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Benzo(ghi)perylene	0.057	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Chrysene	0.13	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Fluoranthene	0.2	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.051	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Phenanthrene	0.14	mg/kg	J	Y	0.35
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	YES	Pyrene	0.21	mg/kg	J	Y	0.35
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Acenaphthene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Acenaphthylene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Anthracene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Benzo(a)anthracene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Benzo(a)pyrene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Benzo(b)fluoranthene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Benzo(ghi)perylene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Benzo(k)fluoranthene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Chrysene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Dibenz(a,h)anthracene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Fluoranthene	0.081	mg/kg	J	Y	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Fluorene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Naphthalene	0.73	mg/kg	U	N	0.73
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0[illegible]
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Phenanthrene	0.73	mg/kg	U	N	[illegible]
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	YES	Pyrene	0.062	mg/kg	J	Y	0.73
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Acenaphthene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Acenaphthylene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Anthracene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Benzo(a)anthracene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Benzo(a)pyrene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Benzo(b)fluoranthene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Benzo(ghi)perylene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Benzo(k)fluoranthene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Chrysene	0.081	mg/kg	J	Y	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Dibenz(a,h)anthracene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Fluoranthene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Fluorene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Naphthalene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Phenanthrene	0.74	mg/kg	U	N	0.74
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	YES	Pyrene	0.74	mg/kg	U	N	0.74
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Benzo(a)anthracene	0.042	mg/kg	J	Y	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Chrysene	0.064	mg/kg	J	Y	[illegible]
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	[illegible]
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Fluoranthene	0.041	mg/kg	J	Y	[illegible]
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Naphthalene	0.16	mg/kg	J	Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Phenanthrene	0.12	mg/kg	J	Y	0.35
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	YES	Pyrene	0.049	mg/kg	J	Y	0.35
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Chrysene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	YES	Pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Anthracene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Benzo(a)pyrene	0.042	mg/kg	J	Y	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Benzo(b)fluoranthene	0.043	mg/kg	J	Y	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Benzo(ghi)perylene	0.04	mg/kg	J	Y	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Benzo(k)fluoranthene	0.045	mg/kg	J	Y	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Chrysene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	YES	Pyrene	0.35	mg/kg	U	N	0.35
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Benzo(a)pyrene	0.058	mg/kg	J	Y	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Benzo(b)fluoranthene	0.04	mg/kg	J	Y	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Benzo(ghi)perylene	0.055	mg/kg	J	Y	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Chrysene	0.038	mg/kg	J	Y	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Fluoranthene	0.037	mg/kg	J	Y	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Indeno(1,2,3-cd)pyrene	0.042	mg/kg	J	Y	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	YES	Pyrene	0.042	mg/kg	J	Y	0.37
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Acenaphthene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Anthracene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Chrysene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Fluoranthene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Fluorene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Naphthalene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	YES	Pyrene	0.4	mg/kg	U	N	0.4
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Anthracene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	[illegible]
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	[illegible]
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	[illegible]
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Chrysene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Fluoranthene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Fluorene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Naphthalene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	YES	Pyrene	0.38	mg/kg	U	N	0.38
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Acenaphthylene	2.2	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Anthracene	2.9	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Benzo(a)anthracene	6	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Benzo(a)pyrene	5.9	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Benzo(b)fluoranthene	7.3	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Benzo(ghi)perylene	1.9	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Benzo(k)fluoranthene	3.9	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Chrysene	5	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Dibenz(a,h)anthracene	1.4	mg/kg	J	Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Fluoranthene	11	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Fluorene	0.56	mg/kg	J	Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	2.3	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Phenanthrene	3.5	mg/kg		Y	1.8
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	YES	Pyrene	8.1	mg/kg		Y	[illegible]
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Acenaphthene	0.96	mg/kg	J	Y	[illegible]
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Acenaphthylene	1.2	mg/kg	J	Y	[illegible]
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Anthracene	3.3	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Benzo(a)anthracene	4.3	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Benzo(a)pyrene	2.8	mg/kg		Y	1.8

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Benzo(b)fluoranthene	2.8	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Benzo(ghi)perylene	0.87	mg/kg	J	Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Benzo(k)fluoranthene	2.9	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Chrysene	3.9	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.65	mg/kg	J	Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Fluoranthene	10	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Fluorene	2.8	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	1	mg/kg	J	Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Naphthalene	0.49	mg/kg	J	Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Naphthalene	0.094	mg/kg	J	Y	0.0053
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Phenanthrene	8.5	mg/kg		Y	1.8
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	YES	Pyrene	7.5	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Acenaphthene	0.36	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Acenaphthylene	1.4	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Anthracene	1.5	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Benzo(a)anthracene	2.1	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Benzo(a)pyrene	3	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Benzo(b)fluoranthene	2.7	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Benzo(ghi)perylene	1.2	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Benzo(k)fluoranthene	2.7	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Chrysene	2.1	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.79	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Fluoranthene	3.7	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Fluorene	0.75	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	1.3	mg/kg	J	Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Naphthalene	0.02	mg/kg	J	Y	0.0055
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Phenanthrene	2.5	mg/kg		Y	1.8
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	YES	Pyrene	3.4	mg/kg		Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Acenaphthene	1.8	mg/kg	U	N	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Acenaphthylene	0.31	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Anthracene	0.38	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Benzo(a)anthracene	0.71	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Benzo(a)pyrene	0.83	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Benzo(b)fluoranthene	0.86	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Benzo(ghi)perylene	0.47	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Benzo(k)fluoranthene	0.7	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Chrysene	0.73	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Fluoranthene	1.6	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Fluorene	1.8	mg/kg	U	N	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Naphthalene	1.8	mg/kg	U	N	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Phenanthrene	0.84	mg/kg	J	Y	1.8
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	YES	Pyrene	1.3	mg/kg	J	Y	1.8
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Acenaphthylene	0.042	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Anthracene	0.057	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Benzo(a)anthracene	0.27	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Benzo(a)pyrene	0.36	mg/kg		Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Benzo(b)fluoranthene	0.31	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Benzo(ghi)perylene	0.18	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Benzo(k)fluoranthene	0.46	mg/kg		Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Chrysene	0.37	mg/kg		Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Dibenz(a,h)anthracene	0.096	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Fluoranthene	0.56	mg/kg		Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Fluorene	0.35	mg/kg	U	N	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Indeno(1,2,3-cd)pyrene	0.19	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Naphthalene	0.35	mg/kg	U	N	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Phenanthrene	0.17	mg/kg	J	Y	0.35
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	YES	Pyrene	0.49	mg/kg		Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
Surface Soil Sample Results - Samples Not Collected Beneath Asphalt											
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Acenaphthylene	0.22	mg/kg	J	Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Anthracene	0.34	mg/kg	J	Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(a)anthracene	0.52	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(a)pyrene	0.52	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(b)fluoranthene	0.7	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(ghi)perylene	0.44	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(k)fluoranthene	0.71	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Chrysene	0.63	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Dibenz(a,h)anthracene	0.18	mg/kg	J	Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Fluoranthene	0.73	mg/kg		Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	J	Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Phenanthrene	0.057	mg/kg	J	Y	0.39
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Pyrene	0.82	mg/kg		Y	0.39
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Chrysene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-29-GP02	SS	AA0003	1-Oct-98	No	No	Pyrene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Chrysene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-29-GP04	SS	AA0009	30-Sep-98	No	No	Pyrene	0.38	mg/kg	U	N	0.38
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Anthracene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Chrysene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Pyrene	0.4	mg/kg	U	N	0.4
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(a)anthracene	0.081	mg/kg	J	Y	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(a)pyrene	0.09	mg/kg	J	Y	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	[illegible]
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	[illegible]
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Fluoranthene	0.2	mg/kg	J	Y	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Phenanthrene	0.097	mg/kg	J	Y	0.37
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Pyrene	0.17	mg/kg	J	Y	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	[illegible]
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	[illegible]
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	[illegible]
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Chrysene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Acenaphthylene	0.038	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Anthracene	0.086	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(a)anthracene	0.22	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(a)pyrene	0.24	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(b)fluoranthene	0.3	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(ghi)perylene	0.17	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(k)fluoranthene	0.47	mg/kg		Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Chrysene	0.38	mg/kg		Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Fluoranthene	0.8	mg/kg		Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Phenanthrene	0.39	mg/kg		Y	0.37
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Pyrene	0.51	mg/kg		Y	0.37
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Acenaphthene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Acenaphthylene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Anthracene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Benzo(a)anthracene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Benzo(a)pyrene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Benzo(b)fluoranthene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Benzo(k)fluoranthene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Chrysene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Fluoranthene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Fluorene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Naphthalene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Phenanthrene	0.43	mg/kg	U	N	0.43
FTA-93-GP21	SS	DA0023	27-Oct-98	No	No	Pyrene	0.43	mg/kg	U	N	0.43
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Acenaphthene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Acenaphthylene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Anthracene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Benzo(k)fluoranthene	0.41	mg/kg	UJ	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Chrysene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Fluoranthene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Fluorene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Phenanthrene	0.41	mg/kg	U	N	0.41
FTA-93-GP22	SS	DA0024	27-Oct-98	No	No	Pyrene	0.41	mg/kg	U	N	0.41
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Fluoranthene	0.047	mg/kg	J	Y	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	[illegible]
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Pyrene	0.03	mg/kg	J	Y	0.[illegible]
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Chrysene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Pyrene	0.35	mg/kg	U	N	0.35
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Acenaphthene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Acenaphthylene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Anthracene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Benzo(a)anthracene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Benzo(a)pyrene	0.035	mg/kg	J	Y	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Benzo(b)fluoranthene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Benzo(k)fluoranthene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Chrysene	0.43	mg/kg	U	N	0
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	[illegible]
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Fluoranthene	0.43	mg/kg	U	N	[illegible]
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Fluorene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Naphthalene	0.43	mg/kg	U	N	0.43

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Phenanthrene	0.43	mg/kg	U	N	0.43
FTA-94-GP05	SS	EM0009	27-Oct-98	No	No	Pyrene	0.43	mg/kg	U	N	0.43
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Chrysene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-94-GP08	SS	EM0013	27-Oct-98	No	No	Pyrene	0.38	mg/kg	U	N	0.38
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Acenaphthene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Anthracene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(a)anthracene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(a)pyrene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(b)fluoranthene	3.6	mg/kg	UJ	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(ghi)perylene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(k)fluoranthene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Chrysene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Fluoranthene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Fluorene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Naphthalene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Naphthalene	0.0035	mg/kg	J	Y	0.0054
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Phenanthrene	3.6	mg/kg	U	N	3.6
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Pyrene	3.6	mg/kg	U	N	3.6
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Acenaphthene	2	mg/kg	U	N	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Acenaphthylene	0.49	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Anthracene	0.86	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(a)anthracene	0.23	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(a)pyrene	0.42	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(b)fluoranthene	0.29	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(ghi)perylene	1.5	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(k)fluoranthene	0.42	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Chrysene	0.31	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Dibenz(a,h)anthracene	0.29	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Fluoranthene	0.23	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Fluorene	2	mg/kg	U	N	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.69	mg/kg	J	Y	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Naphthalene	2	mg/kg	U	N	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Phenanthrene	2	mg/kg	U	N	2
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Pyrene	0.21	mg/kg	J	Y	2
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Acenaphthene	0.39	mg/kg	U	N	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Anthracene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Benzo(b)fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Benzo(ghi)perylene	0.042	mg/kg	J	Y	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Chrysene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Fluoranthene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Fluorene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-145-GP07	SS	CY0014	1-Oct-98	No	No	Pyrene	0.39	mg/kg	U	N	0.39
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Acenaphthene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Acenaphthylene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Anthracene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Benzo(a)anthracene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Benzo(a)pyrene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Benzo(b)fluoranthene	1.9	mg/kg	UJ	N	[illegible]
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Benzo(ghi)perylene	1.9	mg/kg	U	N	[illegible]
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Benzo(k)fluoranthene	1.9	mg/kg	UJ	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Chrysene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Dibenz(a,h)anthracene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Fluoranthene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Fluorene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Naphthalene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Phenanthrene	1.9	mg/kg	U	N	1.9
FTA-145-GP08	SS	CY0016	2-Oct-98	No	No	Pyrene	1.9	mg/kg	U	N	1.9
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Anthracene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Benzo(b)fluoranthene	0.35	mg/kg	UJ	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Chrysene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Fluorene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-145-GP09	SS	CY0018	2-Oct-98	No	No	Pyrene	0.35	mg/kg	U	N	[illegible]
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Acenaphthene	4	mg/kg	U	N	[illegible]
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Acenaphthylene	4	mg/kg	U	N	[illegible]
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Anthracene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(a)anthracene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(a)pyrene	4	mg/kg	U	N	4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(b)fluoranthene	4	mg/kg	UJ	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(ghi)perylene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(k)fluoranthene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Chrysene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Dibenz(a,h)anthracene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Fluoranthene	0.57	mg/kg	J	Y	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Fluorene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Naphthalene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Phenanthrene	4	mg/kg	U	N	4
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Pyrene	0.42	mg/kg	J	Y	4
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Anthracene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Benzo(b)fluoranthene	0.35	mg/kg	UJ	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Chrysene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Fluorene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-145-GP12	SS	CY0025	2-Oct-98	No	No	Pyrene	0.35	mg/kg	U	N	0.35
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Acenaphthylene	0.066	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Anthracene	0.052	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(a)anthracene	0.037	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(a)pyrene	0.046	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(b)fluoranthene	0.072	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(k)fluoranthene	0.042	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Chrysene	0.053	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Dibenz(a,h)anthracene	0.04	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Fluoranthene	0.063	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Indeno(1,2,3-cd)pyrene	0.097	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Naphthalene	0.0057	mg/kg	U	N	0.0057
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Phenanthrene	0.034	mg/kg	J	Y	0.38
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Pyrene	0.057	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Acenaphthylene	0.087	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Anthracene	0.062	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(a)pyrene	0.063	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(b)fluoranthene	0.069	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(k)fluoranthene	0.088	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Chrysene	0.07	mg/kg	J	Y	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Fluoranthene	0.08	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Indeno(1,2,3-cd)pyrene	0.085	mg/kg	J	Y	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Naphthalene	0.0078	mg/kg	UJ	N	0.0078
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Pyrene	0.086	mg/kg	J	Y	0.38
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Anthracene	0.038	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Benzo(b)fluoranthene	0.15	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Benzo(ghi)perylene	0.054	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Benzo(k)fluoranthene	0.16	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Chrysene	0.13	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Fluoranthene	0.24	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Fluorene	0.37	mg/kg	U	N	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.06	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Naphthalene	0.37	mg/kg	U	N	[illegible]
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Naphthalene	0.0056	mg/kg	UJ	N	0.[illegible]
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Phenanthrene	0.11	mg/kg	J	Y	0.37
FTA-146-GP06	SS	CP0007	6-Oct-98	No	No	Pyrene	0.19	mg/kg	J	Y	0.37
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Chrysene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Fluoranthene	0.046	mg/kg	J	Y	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Pyrene	0.044	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Anthracene	0.053	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Benzo(a)pyrene	0.14	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Benzo(b)fluoranthene	0.17	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.[illegible]
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Chrysene	0.14	mg/kg	J	Y	[illegible]
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Dibenz(a,h)anthracene	0.053	mg/kg	J	Y	0.[illegible]
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Fluoranthene	0.27	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Fluorene	0.36	mg/kg	U	N	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.1	mg/kg	J	Y	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Phenanthrene	0.18	mg/kg	J	Y	0.36
FTA-147-GP05	SS	EG0010	29-Oct-98	No	No	Pyrene	0.2	mg/kg	J	Y	0.36
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Benzo(a)pyrene	0.038	mg/kg	J	Y	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Benzo(b)fluoranthene	0.044	mg/kg	J	Y	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Chrysene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Fluoranthene	0.053	mg/kg	J	Y	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-147-GP09	SS	EG0017	29-Oct-98	No	No	Pyrene	0.04	mg/kg	J	Y	0.38
47-GP10	SS	EG0029	15-Oct-98	No	No	Acenaphthene	1.8	mg/kg	U	N	1.8
47-GP10	SS	EG0029	15-Oct-98	No	No	Acenaphthylene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Anthracene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Benzo(a)anthracene	0.27	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Benzo(a)pyrene	0.5	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Benzo(b)fluoranthene	0.49	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Benzo(k)fluoranthene	0.93	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Chrysene	0.73	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Fluoranthene	0.98	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Fluorene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Naphthalene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Phenanthrene	1.8	mg/kg	U	N	1.8
FTA-147-GP10	SS	EG0029	15-Oct-98	No	No	Pyrene	0.89	mg/kg	J	Y	1.8
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Anthracene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Chrysene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Fluoranthene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Fluorene	0.39	mg/kg	U	N	0.39
48-GP11	SS	DB0017	23-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
148-GP11	SS	DB0017	23-Oct-98	No	No	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-148-GP11	SS	DB0017	23-Oct-98	No	No	Pyrene	0.39	mg/kg	U	N	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Fluoranthene	0.04	mg/kg	J	Y	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Naphthalene	0.0031	mg/kg	J	Y	0.0056
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Pyrene	0.029	mg/kg	J	Y	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Benzo(a)pyrene	0.37	mg/kg	U	N	[illegible]
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Benzo(b)fluoranthene	0.37	mg/kg	U	N	[illegible]
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Chrysene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Fluorene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-148-GP13	SS	DB0023	21-Oct-98	No	No	Pyrene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Acenaphthylene	0.04	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(a)anthracene	0.076	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(ghi)perylene	0.058	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Chrysene	0.098	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Fluoranthene	0.084	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.061	mg/kg	J	Y	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Pyrene	0.062	mg/kg	J	Y	[illegible]
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Acenaphthene	2	mg/kg		Y	[illegible]
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Acenaphthylene	0.19	mg/kg	J	Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Anthracene	2.7	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(a)anthracene	6	mg/kg		Y	1.7

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(a)pyrene	5.3	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(b)fluoranthene	5.9	mg/kg		Y	1.7
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(ghi)perylene	0.79	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(k)fluoranthene	3.9	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Chrysene	5.4	mg/kg		Y	1.7
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Dibenz(a,h)anthracene	0.52	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Fluoranthene	13	mg/kg		Y	1.7
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Fluorene	1.3	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.98	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Naphthalene	0.62	mg/kg		Y	0.35
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Phenanthrene	11	mg/kg		Y	1.7
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Pyrene	9.2	mg/kg		Y	1.7
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Anthracene	0.063	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(a)anthracene	0.18	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(a)pyrene	0.14	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.21	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Chrysene	0.21	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.06	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Fluoranthene	0.46	mg/kg		Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Phenanthrene	0.27	mg/kg	J	Y	0.36
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Pyrene	0.31	mg/kg	J	Y	0.36
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Acenaphthene	0.64	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Acenaphthylene	0.036	mg/kg	J	Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Anthracene	1	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(a)anthracene	3.9	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(a)pyrene	2.7	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(b)fluoranthene	3.6	mg/kg	J	Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(k)fluoranthene	2.2	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Chrysene	3.8	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Dibenz(a,h)anthracene	0.57	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Fluoranthene	8.4	mg/kg		Y	0.71
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Fluorene	0.55	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	1.2	mg/kg		Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Naphthalene	0.23	mg/kg	J	Y	0.35
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Phenanthrene	6.8	mg/kg		Y	0.71
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Pyrene	5.6	mg/kg		Y	0.71
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Acenaphthene	0.047	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Anthracene	0.087	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(a)anthracene	0.29	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(a)pyrene	0.32	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.38	mg/kg		Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(ghi)perylene	0.14	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.3	mg/kg	J	Y	0.34

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Chrysene	0.34	mg/kg		Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.082	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Fluoranthene	0.68	mg/kg		Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Fluorene	0.037	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Phenanthrene	0.39	mg/kg		Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Pyrene	0.48	mg/kg		Y	0.34
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Acenaphthene	0.26	mg/kg	J	Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Acenaphthylene	0.029	mg/kg	J	Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Anthracene	0.37	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(a)anthracene	0.94	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(a)pyrene	0.85	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(b)fluoranthene	1.2	mg/kg	J	Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(ghi)perylene	0.33	mg/kg	J	Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(k)fluoranthene	0.67	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Chrysene	0.94	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Dibenz(a,h)anthracene	0.17	mg/kg	J	Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Fluoranthene	2.3	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Fluorene	0.18	mg/kg	J	Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg		Y	[illegible]
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Naphthalene	0.087	mg/kg	J	Y	[illegible]
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Phenanthrene	1.8	mg/kg		Y	0.34
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Pyrene	1.6	mg/kg		Y	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(a)anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(a)pyrene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Chrysene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Fluoranthene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Phenanthrene	0.34	mg/kg	U	N	0.34
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Pyrene	0.34	mg/kg	U	N	0.34
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Acenaphthene	0.042	mg/kg	J	Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Acenaphthylene	0.058	mg/kg	J	Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Anthracene	0.12	mg/kg	J	Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	J	Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(a)pyrene	0.37	mg/kg		Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.46	mg/kg		Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(ghi)perylene	0.21	mg/kg	J	Y	[illegible]
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	J	Y	[illegible]
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Chrysene	0.38	mg/kg		Y	[illegible]
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.099	mg/kg	J	Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Fluoranthene	0.74	mg/kg		Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.21	mg/kg	J	Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Phenanthrene	0.36	mg/kg		Y	0.36
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Pyrene	0.52	mg/kg		Y	0.36
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Anthracene	0.054	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.17	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(ghi)perylene	0.07	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Chrysene	0.14	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.044	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Fluoranthene	0.23	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Phenanthrene	0.11	mg/kg	J	Y	0.37
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Pyrene	0.15	mg/kg	J	Y	0.37
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Anthracene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Chrysene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Fluorene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-151-GP11	SS	BJ0025	17-Sep-98	No	No	Pyrene	0.35	mg/kg	U	N	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Acenaphthylene	0.092	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Anthracene	0.07	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(a)anthracene	0.096	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(ghi)perylene	0.1	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Chrysene	0.12	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.048	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Fluoranthene	0.14	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.086	mg/kg	J	Y	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Phenanthrene	0.047	mg/kg	J	Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Pyrene	0.11	mg/kg	J	Y	0.35
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Acenaphthene	0.035	mg/kg	J	Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Acenaphthylene	1.6	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Anthracene	1.4	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(a)anthracene	3	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(a)pyrene	3.8	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(b)fluoranthene	5.5	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(ghi)perylene	0.76	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(k)fluoranthene	2.7	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Chrysene	2.3	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.67	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Fluoranthene	1.7	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Fluorene	0.067	mg/kg	J	Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.97	mg/kg		Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Phenanthrene	0.066	mg/kg	J	Y	0.34
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Pyrene	1.5	mg/kg		Y	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(a)anthracene	0.032	mg/kg	J	Y	[illegible]
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(a)pyrene	0.039	mg/kg	J	Y	[illegible]
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.044	mg/kg	J	Y	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.057	mg/kg	J	Y	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Chrysene	0.048	mg/kg	J	Y	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Fluoranthene	0.058	mg/kg	J	Y	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Phenanthrene	0.34	mg/kg	U	N	0.34
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Pyrene	0.046	mg/kg	J	Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Acenaphthylene	0.25	mg/kg	J	Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Anthracene	0.21	mg/kg	J	Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(a)anthracene	0.43	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(a)pyrene	0.48	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.78	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.52	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Chrysene	0.55	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.18	mg/kg	J	Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Fluoranthene	0.7	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg		Y	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Naphthalene	0.0069	mg/kg	UJ	N	[illegible]
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Phenanthrene	0.23	mg/kg	J	Y	[illegible]
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Pyrene	0.47	mg/kg		Y	[illegible]
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Anthracene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(a)pyrene	0.041	mg/kg	J	Y	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.045	mg/kg	J	Y	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Chrysene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Fluoranthene	0.06	mg/kg	J	Y	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Pyrene	0.054	mg/kg	J	Y	0.4
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Anthracene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(a)anthracene	0.044	mg/kg	J	Y	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(a)pyrene	0.059	mg/kg	J	Y	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.065	mg/kg	J	Y	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.082	mg/kg	J	Y	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Chrysene	0.074	mg/kg	J	Y	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Phenanthrene	0.42	mg/kg	U	N	0.42
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Pyrene	0.081	mg/kg	J	Y	0.42
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Acenaphthene	0.062	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Acenaphthylene	0.06	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Anthracene	0.25	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(a)anthracene	0.75	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(a)pyrene	0.73	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(b)fluoranthene	0.67	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(ghi)perylene	0.27	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(k)fluoranthene	0.75	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Chrysene	0.71	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Dibenz(a,h)anthracene	0.1	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Fluoranthene	1.6	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Fluorene	0.091	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Naphthalene	0.13	mg/kg	J	Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Phenanthrene	0.84	mg/kg		Y	0.36
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Pyrene	1.1	mg/kg		Y	0.36
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Anthracene	0.05	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.15	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Chrysene	0.15	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Fluoranthene	0.22	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Phenanthrene	0.14	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Pyrene	0.18	mg/kg	J	Y	0.4
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(a)anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(a)pyrene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Chrysene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Fluoranthene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	[illegible]
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	[illegible]
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Phenanthrene	0.34	mg/kg	U	N	0.34
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Pyrene	0.34	mg/kg	U	N	0.34
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(a)anthracene	0.053	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(b)fluoranthene	0.08	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Chrysene	0.074	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Fluoranthene	0.079	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Phenanthrene	0.04	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Pyrene	0.067	mg/kg	J	Y	0.36
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(a)anthracene	0.039	mg/kg	J	Y	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(a)pyrene	0.04	mg/kg	J	Y	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.075	mg/kg	J	Y	[illegible]
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(ghi)perylene	0.038	mg/kg	J	Y	[illegible]
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.069	mg/kg	J	Y	[illegible]
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Chrysene	0.056	mg/kg	J	Y	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Fluoranthene	0.043	mg/kg	J	Y	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.038	mg/kg	J	Y	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Anthracene	0.029	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(a)anthracene	0.084	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(b)fluoranthene	0.13	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(ghi)perylene	0.079	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Dibenz(a,h)anthracene	0.045	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Fluoranthene	0.14	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Phenanthrene	0.044	mg/kg	J	Y	0.39
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Pyrene	0.11	mg/kg	J	Y	0.39
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Anthracene	0.038	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(a)anthracene	0.094	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(ghi)perylene	0.061	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Chrysene	0.13	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.037	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Fluoranthene	0.21	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.065	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Phenanthrene	0.064	mg/kg	J	Y	0.37
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Pyrene	0.15	mg/kg	J	Y	0.37
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Acenaphthylene	0.15	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Anthracene	0.16	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(a)anthracene	0.29	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(a)pyrene	0.35	mg/kg		Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.4	mg/kg		Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.51	mg/kg		Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Chrysene	0.39	mg/kg		Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Fluoranthene	0.58	mg/kg		Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Naphthalene	0.0051	mg/kg	UJ	N	0.0051

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Phenanthrene	0.12	mg/kg	J	Y	0.34
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Pyrene	0.46	mg/kg		Y	0.34
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Anthracene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(a)anthracene	0.075	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(a)pyrene	0.097	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Fluoranthene	0.15	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Fluorene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Naphthalene	0.0079	mg/kg	UJ	N	0.0079
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Phenanthrene	0.051	mg/kg	J	Y	0.38
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Pyrene	0.12	mg/kg	J	Y	0.38
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Acenaphthylene	0.038	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Anthracene	0.37	mg/kg	U	N	[illegible]
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(a)anthracene	0.063	mg/kg	J	Y	[illegible]
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(a)pyrene	0.087	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(ghi)perylene	0.029	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Chrysene	0.1	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Pyrene	0.097	mg/kg	J	Y	0.37
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Acenaphthene	0.5	mg/kg	U	N	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Acenaphthylene	0.5	mg/kg	U	N	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Anthracene	0.072	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(a)anthracene	0.21	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(a)pyrene	0.25	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.31	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(ghi)perylene	0.07	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.31	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Chrysene	0.29	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.5	mg/kg	U	N	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Fluoranthene	0.53	mg/kg		Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Fluorene	0.5	mg/kg	U	N	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.081	mg/kg	J	Y	0.5
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Naphthalene	0.5	mg/kg	U	N	[illegible]
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Naphthalene	0.0075	mg/kg	UJ	N	[illegible]
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Phenanthrene	0.25	mg/kg	J	Y	[illegible]
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Pyrene	0.43	mg/kg	J	Y	0.5
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(a)anthracene	0.079	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(a)pyrene	0.094	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.082	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(ghi)perylene	0.074	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Chrysene	0.099	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Fluoranthene	0.16	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Phenanthrene	0.068	mg/kg	J	Y	0.39
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Pyrene	0.13	mg/kg	J	Y	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Chrysene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Fluoranthene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Fluorene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Phenanthrene	0.39	mg/kg	U	N	0.39
FTA-151-GP31	SS	BJ0073	6-Oct-98	No	No	Pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Chrysene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Fluoranthene	0.066	mg/kg	J	Y	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Phenanthrene	0.058	mg/kg	J	Y	0.39
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Pyrene	0.066	mg/kg	J	Y	0.39
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Chrysene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Fluoranthene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-151-GP34	SS	BJ0079	23-Sep-98	No	No	Pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Acenaphthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Benzo(a)anthracene	0.045	mg/kg	J	Y	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Benzo(a)pyrene	0.043	mg/kg	J	Y	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Benzo(b)fluoranthene	0.048	mg/kg	J	Y	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Chrysene	0.06	mg/kg	J	Y	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Fluoranthene	0.093	mg/kg	J	Y	[illegible]
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Fluorene	0.36	mg/kg	UJ	N	[illegible]
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Naphthalene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Phenanthrene	0.04	mg/kg	J	Y	0.36
FTA-151-GP35	SS	BJ0081	22-Sep-98	No	No	Pyrene	0.074	mg/kg	J	Y	0.36
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Acenaphthene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Acenaphthylene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Anthracene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Benzo(a)anthracene	0.038	mg/kg	J	Y	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Benzo(a)pyrene	0.05	mg/kg	J	Y	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Benzo(b)fluoranthene	0.064	mg/kg	J	Y	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Benzo(ghi)perylene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Benzo(k)fluoranthene	0.051	mg/kg	J	Y	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Chrysene	0.051	mg/kg	J	Y	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Fluoranthene	0.082	mg/kg	J	Y	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Fluorene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Naphthalene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Phenanthrene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP36	SS	BJ0085	22-Sep-98	No	No	Pyrene	0.07	mg/kg	J	Y	0.37
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Acenaphthylene	0.041	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Anthracene	0.044	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Benzo(a)anthracene	0.15	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Benzo(a)pyrene	0.15	mg/kg	J	Y	[illegible]
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Benzo(b)fluoranthene	0.18	mg/kg	J	Y	[illegible]
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Benzo(ghi)perylene	0.099	mg/kg	J	Y	[illegible]
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Chrysene	0.17	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Dibenz(a,h)anthracene	0.042	mg/kg	J	Y	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Fluoranthene	0.41	mg/kg		Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.094	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Phenanthrene	0.24	mg/kg	J	Y	0.36
FTA-151-GP38	SS	BJ0089	23-Sep-98	No	No	Pyrene	0.35	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Benzo(a)anthracene	0.042	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Benzo(a)pyrene	0.053	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Benzo(b)fluoranthene	0.055	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Benzo(k)fluoranthene	0.064	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Chrysene	0.059	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Fluoranthene	0.081	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Phenanthrene	0.038	mg/kg	J	Y	0.36
FTA-151-GP39	SS	BJ0091	23-Sep-98	No	No	Pyrene	0.077	mg/kg	J	Y	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Chrysene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Fluoranthene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-151-GP40	SS	BJ0093	23-Sep-98	No	No	Pyrene	0.36	mg/kg	U	N	0.36
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Pyrene	0.37	mg/kg	U	N	0.37
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Anthracene	0.079	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(a)anthracene	0.29	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(a)pyrene	0.24	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.22	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Chrysene	0.28	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.059	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Fluoranthene	0.52	mg/kg		Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Phenanthrene	0.24	mg/kg	J	Y	0.36
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Pyrene	0.4	mg/kg		Y	0.36
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Acenaphthene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Acenaphthylene	0.43	mg/kg	U	N	[illegible]
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Anthracene	0.43	mg/kg	U	N	[illegible]
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Benzo(a)anthracene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Benzo(a)pyrene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Benzo(b)fluoranthene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Benzo(k)fluoranthene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Chrysene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Fluoranthene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Fluorene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Naphthalene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Phenanthrene	0.43	mg/kg	U	N	0.43
FTA-151-GP46	SS	BJ0109	5-Oct-98	No	No	Pyrene	0.43	mg/kg	U	N	0.43
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Acenaphthene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Acenaphthylene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Anthracene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Benzo(a)pyrene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Benzo(b)fluoranthene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Benzo(k)fluoranthene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Chrysene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Fluoranthene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Fluorene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	[illegible]
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Naphthalene	0.44	mg/kg	U	N	[illegible]
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Naphthalene	0.0067	mg/kg	UJ	N	[illegible]
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Phenanthrene	0.44	mg/kg	U	N	0.44
FTA-151-GP47	SS	BJ0111	5-Oct-98	No	No	Pyrene	0.44	mg/kg	U	N	0.44
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Acenaphthene	0.42	mg/kg	U	N	0.42

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Acenaphthylene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Anthracene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Benzo(k)fluoranthene	0.42	mg/kg	UJ	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Chrysene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Fluoranthene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Fluorene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Naphthalene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Naphthalene	0.0063	mg/kg	UJ	N	0.0063
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Phenanthrene	0.42	mg/kg	U	N	0.42
FTA-151-GP48	SS	BJ0113	5-Oct-98	No	No	Pyrene	0.42	mg/kg	U	N	0.42
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Acenaphthene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Acenaphthylene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Anthracene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Benzo(a)anthracene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Benzo(a)pyrene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Benzo(b)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Benzo(ghi)perylene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Chrysene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Fluoranthene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Fluorene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Naphthalene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Phenanthrene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP51	SS	BJ0119	22-Sep-98	No	No	Pyrene	0.37	mg/kg	UJ	N	0.37
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(a)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(a)pyrene	0.026	mg/kg	J	Y	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Chrysene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Fluoranthene	0.038	mg/kg	J	Y	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Fluorene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Naphthalene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Phenanthrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Acenaphthene	0.35	mg/kg	UJ	N	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Acenaphthylene	0.35	mg/kg	UJ	N	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Anthracene	0.35	mg/kg	UJ	N	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(a)anthracene	0.076	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(b)fluoranthene	0.13	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(ghi)perylene	0.062	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Dibenz(a,h)anthracene	0.04	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Fluoranthene	0.045	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Fluorene	0.35	mg/kg	UJ	N	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	J	Y	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Naphthalene	0.35	mg/kg	UJ	N	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Phenanthrene	0.35	mg/kg	UJ	N	0.35
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Pyrene	0.051	mg/kg	J	Y	0.35
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Acenaphthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Benzo(a)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Benzo(a)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Chrysene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N	[illegible]
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Fluoranthene	0.36	mg/kg	UJ	N	[illegible]
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Fluorene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Naphthalene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Phenanthrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP54	SS	BJ0127	22-Sep-98	No	No	Pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Acenaphthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Benzo(a)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Benzo(a)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Chrysene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Fluorene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Naphthalene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Phenanthrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP55	SS	BJ0129	22-Sep-98	No	No	Pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Acenaphthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Acenaphthylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Benzo(a)anthracene	0.36	mg/kg	UJ	N	[illegible]
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Benzo(a)pyrene	0.36	mg/kg	UJ	N	[illegible]
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N	[illegible]
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Chrysene	0.36	mg/kg	UJ	N	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Fluoranthene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Fluorene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Naphthalene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Phenanthrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Pyrene	0.36	mg/kg	UJ	N	0.36
FTA-151-GP56	SS	BJ0131	22-Sep-98	No	No	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Benzo(a)anthracene	0.043	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Benzo(a)pyrene	0.05	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Benzo(b)fluoranthene	0.049	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Benzo(ghi)perylene	0.056	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Benzo(k)fluoranthene	0.055	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Chrysene	0.045	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Fluoranthene	0.041	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Fluorene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.056	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Naphthalene	0.0056	mg/kg	U	N	0.0056
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Pyrene	0.045	mg/kg	J	Y	0.37
FTA-163-GP01	SS	CD0001	16-Nov-99	No	No	Acenaphthene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Acenaphthylene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Benzo(a)pyrene	0.026	mg/kg	J	Y	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Chrysene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Fluoranthene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Fluorene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Naphthalene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Naphthalene	0.0018	mg/kg	J	Y	0.0056
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Phenanthrene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Pyrene	0.37	mg/kg	U	N	0.37
FTA-163-GP02	SS	CD0003	16-Nov-99	No	No	Acenaphthene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Acenaphthylene	0.38	mg/kg	U	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Benzo(a)pyrene	0.045	mg/kg	J	Y	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Benzo(b)fluoranthene	0.054	mg/kg	J	Y	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Benzo(ghi)perylene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Benzo(k)fluoranthene	0.071	mg/kg	J	Y	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Chrysene	0.063	mg/kg	J	Y	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Fluoranthene	0.062	mg/kg	J	Y	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Fluorene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N	0.38

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Naphthalene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Naphthalene	0.0011	mg/kg	B	Y	0.0058
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Phenanthrene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP03	SS	CD0005	17-Nov-99	No	No	Pyrene	0.075	mg/kg	J	Y	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Acenaphthene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Acenaphthylene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Anthracene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Benzo(a)anthracene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Benzo(a)pyrene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Benzo(ghi)perylene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Chrysene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Fluoranthene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Fluorene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Naphthalene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Phenanthrene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP04	SS	CD0007	17-Nov-99	No	No	Pyrene	0.38	mg/kg	UJ	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Acenaphthene	0.38	mg/kg	U	N	[illegible]
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Acenaphthylene	0.38	mg/kg	U	N	[illegible]
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Anthracene	0.38	mg/kg	U	N	[illegible]
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Chrysene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Fluoranthene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Naphthalene	0.0057	mg/kg	U	N	0.0057
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-163-GP10	SS	CD0022	29-Nov-99	No	No	Pyrene	0.38	mg/kg	U	N	0.38
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Acenaphthene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Acenaphthylene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Anthracene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Chrysene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Fluoranthene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Fluorene	0.36	mg/kg	U	N	[illegible]
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	[illegible]
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Naphthalene	0.36	mg/kg	U	N	[illegible]
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Naphthalene	0.0055	mg/kg	U	N	0.0055
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Phenanthrene	0.36	mg/kg	U	N	0.36
FTA-163-GP12	SS	CD0027	29-Nov-99	No	No	Pyrene	0.36	mg/kg	U	N	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Acenaphthylene	0.045	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Benzo(ghi)perylene	0.1	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Chrysene	0.14	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Fluoranthene	0.24	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Indeno(1,2,3-cd)pyrene	0.083	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Naphthalene	0.0057	mg/kg	U	N	0.0057
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Phenanthrene	0.12	mg/kg	J	Y	0.38
FTA-163-MW01	SS	CD0045	7-Dec-99	No	No	Pyrene	0.19	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Acenaphthene	0.38	mg/kg	U	N	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Acenaphthylene	0.042	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Anthracene	0.38	mg/kg	U	N	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Benzo(a)anthracene	0.041	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Benzo(ghi)perylene	0.14	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Benzo(k)fluoranthene	0.084	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Chrysene	0.048	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Fluoranthene	0.03	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Fluorene	0.38	mg/kg	U	N	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Indeno(1,2,3-cd)pyrene	0.1	mg/kg	J	Y	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Naphthalene	0.38	mg/kg	U	N	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Naphthalene	0.0012	mg/kg	J	Y	0.0057
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Phenanthrene	0.38	mg/kg	U	N	0.38
FTA-163-MW02	SS	CD0047	16-Nov-99	No	No	Pyrene	0.057	mg/kg	J	Y	0.38
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Anthracene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(b)fluoranthene	0.049	mg/kg	J	Y	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Chrysene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Pyrene	0.4	mg/kg	U	N	0.4
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Acenaphthene	0.73	mg/kg	U	N	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Acenaphthylene	1.4	mg/kg		Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Anthracene	1.2	mg/kg		Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(a)anthracene	0.42	mg/kg	J	Y	0.73

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(a)pyrene	0.79	mg/kg		Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(b)fluoranthene	0.71	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(k)fluoranthene	0.9	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Chrysene	0.49	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Dibenz(a,h)anthracene	0.32	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Fluoranthene	0.55	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Fluorene	0.08	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.74	mg/kg		Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Naphthalene	0.73	mg/kg	U	N	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Phenanthrene	0.15	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Pyrene	0.48	mg/kg	J	Y	0.73
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(a)anthracene	0.038	mg/kg	J	Y	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(a)pyrene	0.058	mg/kg	J	Y	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(b)fluoranthene	0.068	mg/kg	J	Y	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(k)fluoranthene	0.071	mg/kg	J	Y	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Chrysene	0.044	mg/kg	J	Y	[illegible]
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	[illegible]
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Fluoranthene	0.059	mg/kg	J	Y	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Pyrene	0.062	mg/kg	J	Y	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(a)pyrene	0.046	mg/kg	J	Y	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(b)fluoranthene	0.047	mg/kg	J	Y	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(ghi)perylene	0.036	mg/kg	J	Y	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Chrysene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Pyrene	0.35	mg/kg	U	N	0.35
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Acenaphthene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Acenaphthylene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Anthracene	0.34	mg/kg	U	N	[illegible]
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Benzo(a)anthracene	0.34	mg/kg	U	N	[illegible]
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Benzo(a)pyrene	0.34	mg/kg	U	N	[illegible]
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Benzo(b)fluoranthene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Benzo(k)fluoranthene	0.34	mg/kg	UJ	N	0.34

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Chrysene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Fluoranthene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Fluorene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Naphthalene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Naphthalene	0.0052	mg/kg	UJ	N	0.0052
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Phenanthrene	0.34	mg/kg	U	N	0.34
FTA-164-GP06	SS	DL0014	27-Oct-98	No	No	Pyrene	0.34	mg/kg	U	N	0.34
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Acenaphthene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Acenaphthylene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Chrysene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Fluoranthene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Fluorene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Naphthalene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Phenanthrene	0.35	mg/kg	U	N	0.35
FTA-164-GP08	SS	DL0018	26-Oct-98	No	No	Pyrene	0.35	mg/kg	U	N	0.35
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Acenaphthene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Acenaphthylene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Anthracene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Benzo(a)anthracene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Benzo(a)pyrene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Benzo(b)fluoranthene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Benzo(ghi)perylene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Benzo(k)fluoranthene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Chrysene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Dibenz(a,h)anthracene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Fluoranthene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Fluorene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Naphthalene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Phenanthrene	0.72	mg/kg	U	N	0.72
FTA-164-GP09	SS	DL0020	27-Oct-98	No	No	Pyrene	0.72	mg/kg	U	N	0.72
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Acenaphthene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Acenaphthylene	0.049	mg/kg	J	Y	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Anthracene	0.065	mg/kg	J	Y	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Benzo(k)fluoranthene	0.41	mg/kg	UJ	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Chrysene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Fluoranthene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Fluorene	0.41	mg/kg	U	N	0.41

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Naphthalene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Phenanthrene	0.41	mg/kg	U	N	0.41
FTA-164-GP15	SS	DL0033	26-Oct-98	No	No	Pyrene	0.41	mg/kg	U	N	0.41
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Acenaphthylene	0.29	mg/kg	J	Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Anthracene	0.15	mg/kg	J	Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(a)anthracene	0.67	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(a)pyrene	1	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(b)fluoranthene	1.2	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(ghi)perylene	0.83	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.95	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Chrysene	0.93	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.31	mg/kg	J	Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Fluoranthene	1.7	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.82	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Phenanthrene	0.46	mg/kg		Y	0.42
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Pyrene	1.4	mg/kg		Y	[illegible]
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	R	N	[illegible]
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Acenaphthylene	0.044	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Anthracene	0.39	mg/kg	R	N	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(a)anthracene	0.16	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(a)pyrene	0.23	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.33	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Chrysene	0.22	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.07	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Fluoranthene	0.31	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Fluorene	0.39	mg/kg	R	N	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Naphthalene	0.39	mg/kg	R	N	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Naphthalene	0.005	mg/kg	J	Y	0.0059
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Phenanthrene	0.12	mg/kg	J	Y	0.39
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Pyrene	0.25	mg/kg	J	Y	0.39
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Acenaphthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Acenaphthylene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Chrysene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Fluoranthene	0.4	mg/kg	U	N	[illegible]
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Fluorene	0.4	mg/kg	U	N	[illegible]
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	[illegible]
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Naphthalene	0.4	mg/kg	U	N	0.4
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Naphthalene	0.0061	mg/kg	UJ	N	0.0061
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Phenanthrene	0.4	mg/kg	U	N	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP21	SS	KJ0039	20-Jan-99	No	No	Pyrene	0.4	mg/kg	U	N	0.4
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Acenaphthene	0.05	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Acenaphthylene	0.071	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Anthracene	0.11	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(a)anthracene	0.53	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(a)pyrene	0.57	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.76	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(ghi)perylene	0.54	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.28	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Chrysene	0.6	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.12	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Fluoranthene	1.2	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Fluorene	0.055	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.46	mg/kg		Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Naphthalene	0.072	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Phenanthrene	0.76	mg/kg	J	Y	0.39
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Pyrene	0.9	mg/kg	J	Y	0.39
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Acenaphthene	0.4	mg/kg	R	N	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Acenaphthylene	0.069	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Anthracene	0.4	mg/kg	R	N	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(a)anthracene	0.27	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(a)pyrene	0.34	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.51	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.22	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Chrysene	0.37	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.1	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Fluoranthene	0.45	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Fluorene	0.4	mg/kg	R	N	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.32	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Naphthalene	0.22	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Phenanthrene	0.33	mg/kg	J	Y	0.4
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Pyrene	0.4	mg/kg	J	Y	0.4
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Acenaphthene	0.44	mg/kg	U	N	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Acenaphthylene	0.31	mg/kg	J	Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Anthracene	0.17	mg/kg	J	Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(a)anthracene	0.36	mg/kg	J	Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(a)pyrene	0.79	mg/kg		Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(b)fluoranthene	0.72	mg/kg		Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(ghi)perylene	0.68	mg/kg		Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.87	mg/kg		Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Chrysene	0.48	mg/kg		Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Fluoranthene	0.42	mg/kg	J	Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Fluorene	0.44	mg/kg	U	N	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.63	mg/kg		Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Naphthalene	0.44	mg/kg	U	N	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Phenanthrene	0.12	mg/kg	J	Y	0.44
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Pyrene	0.46	mg/kg		Y	0.44
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Acenaphthylene	0.079	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Anthracene	0.049	mg/kg	J	Y	0.4

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(b)fluoranthene	0.22	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(ghi)perylene	0.18	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Chrysene	0.16	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.068	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Fluoranthene	0.12	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Naphthalene	0.4	mg/kg	U	N	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Phenanthrene	0.057	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Pyrene	0.12	mg/kg	J	Y	0.4
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(b)fluoranthene	0.35	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(ghi)perylene	0.15	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	[illegible]
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Chrysene	0.2	mg/kg	J	Y	[illegible]
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Fluoranthene	0.23	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.16	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Phenanthrene	0.1	mg/kg	J	Y	0.37
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Pyrene	0.18	mg/kg	J	Y	0.37
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Acenaphthylene	0.063	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Anthracene	0.045	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(a)anthracene	0.26	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(a)pyrene	0.4	mg/kg		Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(b)fluoranthene	0.75	mg/kg		Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(ghi)perylene	0.28	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(k)fluoranthene	0.24	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Chrysene	0.38	mg/kg		Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Fluoranthene	0.37	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.29	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Naphthalene	0.38	mg/kg	U	N	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Phenanthrene	0.094	mg/kg	J	Y	0.38
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Pyrene	0.31	mg/kg	J	Y	0.38
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Acenaphthylene	0.39	mg/kg	U	N	[illegible]
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Anthracene	0.39	mg/kg	U	N	[illegible]
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(a)anthracene	0.04	mg/kg	J	Y	[illegible]
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(a)pyrene	0.052	mg/kg	J	Y	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(b)fluoranthene	0.05	mg/kg	J	Y	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(ghi)perylene	0.051	mg/kg	J	Y	0.39

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(k)fluoranthene	0.058	mg/kg	J	Y	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Chrysene	0.049	mg/kg	J	Y	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Fluoranthene	0.061	mg/kg	J	Y	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	J	Y	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Pyrene	0.056	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Acenaphthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Acenaphthylene	0.044	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Benzo(a)anthracene	0.2	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Benzo(a)pyrene	0.26	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Benzo(b)fluoranthene	0.36	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Benzo(ghi)perylene	0.19	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Chrysene	0.21	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Fluoranthene	0.31	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Fluorene	0.39	mg/kg	U	N	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Phenanthrene	0.094	mg/kg	J	Y	0.39
PPMP-75-GP69	SS	KJ0143	22-Jan-99	No	No	Pyrene	0.23	mg/kg	J	Y	0.39
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Acenaphthene	0.41	mg/kg	U	N	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Acenaphthylene	0.41	mg/kg	U	N	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Anthracene	0.052	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Benzo(a)pyrene	0.21	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Benzo(b)fluoranthene	0.2	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Benzo(k)fluoranthene	0.18	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Chrysene	0.24	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Dibenz(a,h)anthracene	0.057	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Fluoranthene	0.49	mg/kg		Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Fluorene	0.41	mg/kg	U	N	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Naphthalene	0.41	mg/kg	U	N	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Naphthalene	0.0062	mg/kg	UJ	N	0.0062
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Phenanthrene	0.34	mg/kg	J	Y	0.41
PPMP-75-GP70	SS	KJ0145	27-Jan-99	No	No	Pyrene	0.47	mg/kg		Y	0.41
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Acenaphthene	0.43	mg/kg	R	N	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Acenaphthylene	0.059	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Anthracene	0.049	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(a)anthracene	0.26	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(a)pyrene	0.34	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.59	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.17	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Chrysene	0.37	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.086	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Fluoranthene	0.44	mg/kg	J	Y	0.43

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Fluorene	0.43	mg/kg	R	N	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Naphthalene	0.43	mg/kg	R	N	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Phenanthrene	0.18	mg/kg	J	Y	0.43
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Pyrene	0.39	mg/kg	J	Y	0.43
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Anthracene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Chrysene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Fluoranthene	0.044	mg/kg	J	Y	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Fluorene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Naphthalene	0.42	mg/kg	U	N	0.42
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Phenanthrene	0.42	mg/kg	U	N	[illegible]
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Pyrene	0.042	mg/kg	J	Y	[illegible]
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(a)anthracene	0.042	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(a)pyrene	0.057	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(b)fluoranthene	0.079	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(ghi)perylene	0.059	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Chrysene	0.048	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Fluoranthene	0.082	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.055	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Phenanthrene	0.039	mg/kg	J	Y	0.39
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Pyrene	0.063	mg/kg	J	Y	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Acenaphthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Acenaphthylene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Chrysene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	[illegible]
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Fluoranthene	0.39	mg/kg	U	N	[illegible]
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Fluorene	0.39	mg/kg	U	N	[illegible]
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Naphthalene	0.006	mg/kg	UJ	N	0.006

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Phenanthrene	0.39	mg/kg	U	N	0.39
PPMP-75-GP74	SS	KJ0154	22-Jan-99	No	No	Pyrene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Anthracene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(a)anthracene	0.041	mg/kg	J	Y	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(a)pyrene	0.047	mg/kg	J	Y	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.04	mg/kg	J	Y	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.058	mg/kg	J	Y	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Chrysene	0.043	mg/kg	J	Y	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Fluoranthene	0.054	mg/kg	J	Y	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Fluorene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Naphthalene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Phenanthrene	0.39	mg/kg	U	N	0.39
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Pyrene	0.053	mg/kg	J	Y	0.39
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36
MP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Anthracene	0.36	mg/kg	U	N	0.36
MP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Chrysene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Fluoranthene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Fluorene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Phenanthrene	0.36	mg/kg	U	N	0.36
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Pyrene	0.36	mg/kg	U	N	0.36
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Chrysene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Chrysene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Fluoranthene	0.038	mg/kg	J	Y	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Fluorene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Naphthalene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Pyrene	0.37	mg/kg	U	N	0.37
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Acenaphthylene	0.059	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Anthracene	0.35	mg/kg	U	N	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(a)pyrene	0.098	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.099	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	[illegible]
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	[illegible]
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Chrysene	0.086	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Fluoranthene	0.03	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.095	mg/kg	J	Y	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Pyrene	0.037	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(ghi)perylene	0.059	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(k)fluoranthene	0.19	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Chrysene	0.15	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Fluoranthene	0.26	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.062	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Naphthalene	0.35	mg/kg	U	N	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Phenanthrene	0.09	mg/kg	J	Y	0.35
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Pyrene	0.21	mg/kg	J	Y	0.35
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	[illegible]
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Acenaphthylene	0.73	mg/kg		Y	[illegible]
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Anthracene	0.63	mg/kg		Y	[illegible]
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(a)anthracene	0.59	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(a)pyrene	0.73	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(b)fluoranthene	1	mg/kg		Y	0.36

Table 4-4

PAH Data from Sites Selected as Background
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	DL
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(ghi)perylene	0.92	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(k)fluoranthene	0.69	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Chrysene	0.49	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Fluoranthene	0.32	mg/kg	J	Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Fluorene	0.041	mg/kg	J	Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.73	mg/kg		Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Naphthalene	0.36	mg/kg	U	N	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Phenanthrene	0.058	mg/kg	J	Y	0.36
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Pyrene	0.34	mg/kg	J	Y	0.36

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Acenaphthene	0.39	mg/kg	U	N
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Acenaphthylene	0.22	mg/kg	J	Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Anthracene	0.34	mg/kg	J	Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Benzo(a)anthracene	0.52	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Benzo(a)pyrene	0.52	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Benzo(b)fluoranthene	0.7	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Benzo(ghi)perylene	0.44	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Benzo(k)fluoranthene	0.71	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Chrysene	0.63	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Dibenz(a,h)anthracene	0.18	mg/kg	J	Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Fluoranthene	0.73	mg/kg		Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Fluorene	0.39	mg/kg	U	N
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	J	Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Naphthalene	0.39	mg/kg	U	N
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Naphthalene	0.0059	mg/kg	UJ	N
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Phenanthrene	0.057	mg/kg	J	Y
FTA-29-GP01	SS	No	YES	Grass. Next to drainage pipe leading from site.	Pyrene	0.82	mg/kg		Y
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Acenaphthene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Acenaphthylene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Anthracene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Benzo(a)anthracene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Benzo(a)pyrene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Benzo(b)fluoranthene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Benzo(ghi)perylene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Chrysene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Fluoranthene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Fluorene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Naphthalene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Naphthalene	0.0057	mg/kg	UJ	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Phenanthrene	0.38	mg/kg	U	N
FTA-29-GP02	SS	No	No	Grass. Approx. center of UST area	Pyrene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Acenaphthene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Acenaphthylene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Anthracene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Benzo(a)anthracene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Benzo(a)pyrene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Benzo(b)fluoranthene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Benzo(ghi)perylene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Chrysene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Fluoranthene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Fluorene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Naphthalene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Naphthalene	0.0057	mg/kg	UJ	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Phenanthrene	0.38	mg/kg	U	N
FTA-29-GP04	SS	No	No	Grass next to oil/water separator	Pyrene	0.38	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Acenaphthene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Acenaphthylene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Anthracene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Benzo(a)anthracene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Benzo(a)pyrene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Benzo(b)fluoranthene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Benzo(ghi)perylene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N
FTA-64-GP07	SS	No	YES	Grass	Chrysene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Dibenz(a,h)anthracene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Fluoranthene	0.4	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-64-GP07	SS	No	YES	Grass	Fluorene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Naphthalene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Naphthalene	0.0061	mg/kg	UJ	N
FTA-64-GP07	SS	No	YES	Grass	Phenanthrene	0.4	mg/kg	U	N
FTA-64-GP07	SS	No	YES	Grass	Pyrene	0.4	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Acenaphthene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Acenaphthylene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Anthracene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Benzo(a)anthracene	0.081	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Benzo(a)pyrene	0.09	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Chrysene	0.11	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Fluoranthene	0.2	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Fluorene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Naphthalene	0.37	mg/kg	U	N
FTA-64-GP08	SS	No	YES	Grass	Naphthalene	0.0056	mg/kg	UJ	N
FTA-64-GP08	SS	No	YES	Grass	Phenanthrene	0.097	mg/kg	J	Y
FTA-64-GP08	SS	No	YES	Grass	Pyrene	0.17	mg/kg	J	Y
FTA-93-GP12	SS	No	YES	Grass	Acenaphthene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Acenaphthylene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Anthracene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Benzo(a)anthracene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Benzo(a)pyrene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Benzo(b)fluoranthene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Benzo(k)fluoranthene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Chrysene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Fluoranthene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Fluorene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Naphthalene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Naphthalene	0.0056	mg/kg	UJ	N
FTA-93-GP12	SS	No	YES	Grass	Phenanthrene	0.37	mg/kg	U	N
FTA-93-GP12	SS	No	YES	Grass	Pyrene	0.37	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Acenaphthene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Acenaphthylene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Anthracene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Benzo(a)anthracene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Benzo(a)pyrene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Benzo(b)fluoranthene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Benzo(k)fluoranthene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Chrysene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Fluoranthene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Fluorene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Naphthalene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Naphthalene	0.0053	mg/kg	UJ	N
FTA-93-GP13	SS	No	YES	Grass	Phenanthrene	0.35	mg/kg	U	N
FTA-93-GP13	SS	No	YES	Grass	Pyrene	0.35	mg/kg	U	N
FTA-93-GP18	SS	No	YES	Gravel/grass	Acenaphthene	0.37	mg/kg	U	N
FTA-93-GP18	SS	No	YES	Gravel/grass	Acenaphthylene	0.038	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Anthracene	0.086	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Benzo(a)anthracene	0.22	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Benzo(a)pyrene	0.24	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-93-GP18	SS	No	YES	Gravel/grass	Benzo(b)fluoranthene	0.3	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Benzo(ghi)perylene	0.17	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Benzo(k)fluoranthene	0.47	mg/kg		Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Chrysene	0.38	mg/kg		Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Fluoranthene	0.8	mg/kg		Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Fluorene	0.37	mg/kg	U	N
FTA-93-GP18	SS	No	YES	Gravel/grass	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Naphthalene	0.37	mg/kg	U	N
FTA-93-GP18	SS	No	YES	Gravel/grass	Naphthalene	0.0056	mg/kg	UJ	N
FTA-93-GP18	SS	No	YES	Gravel/grass	Phenanthrene	0.39	mg/kg		Y
FTA-93-GP18	SS	No	YES	Gravel/grass	Pyrene	0.51	mg/kg		Y
FTA-93-GP21	SS	No	No	concrete	Acenaphthene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Acenaphthylene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Anthracene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Benzo(a)anthracene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Benzo(a)pyrene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Benzo(b)fluoranthene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Benzo(ghi)perylene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Benzo(k)fluoranthene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Chrysene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Dibenz(a,h)anthracene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Fluoranthene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Fluorene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Naphthalene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Naphthalene	0.0065	mg/kg	UJ	N
FTA-93-GP21	SS	No	No	concrete	Phenanthrene	0.43	mg/kg	U	N
FTA-93-GP21	SS	No	No	concrete	Pyrene	0.43	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Acenaphthene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Acenaphthylene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Anthracene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Benzo(a)anthracene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Benzo(a)pyrene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Benzo(b)fluoranthene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Benzo(ghi)perylene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Benzo(k)fluoranthene	0.41	mg/kg	UJ	N
FTA-93-GP22	SS	No	No	concrete	Chrysene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Dibenz(a,h)anthracene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Fluoranthene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Fluorene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Naphthalene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Naphthalene	0.0062	mg/kg	UJ	N
FTA-93-GP22	SS	No	No	concrete	Phenanthrene	0.41	mg/kg	U	N
FTA-93-GP22	SS	No	No	concrete	Pyrene	0.41	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Acenaphthene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Acenaphthylene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Anthracene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(a)anthracene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(a)pyrene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(b)fluoranthene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Chrysene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Fluoranthene	0.047	mg/kg	J	Y
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Fluorene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Naphthalene	0.37	mg/kg	U	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Naphthalene	0.0056	mg/kg	UJ	N
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Phenanthrene	0.37	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-93-GP23	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Pyrene	0.03	mg/kg	J	Y
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Acenaphthene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Acenaphthylene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Anthracene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(a)anthracene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(a)pyrene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(b)fluoranthene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Chrysene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Fluoranthene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Fluorene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Naphthalene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Naphthalene	0.0053	mg/kg	UJ	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Phenanthrene	0.35	mg/kg	U	N
FTA-93-GP24	SS	No	YES	gravel adj drainage wash area for refuse dumpster	Pyrene	0.35	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Acenaphthene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Acenaphthylene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Anthracene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Benzo(a)anthracene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Benzo(a)pyrene	0.035	mg/kg	J	Y
FTA-94-GP05	SS	No	No	concrete slab	Benzo(b)fluoranthene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Benzo(ghi)perylene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Benzo(k)fluoranthene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Chrysene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Dibenz(a,h)anthracene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Fluoranthene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Fluorene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Naphthalene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Naphthalene	0.0065	mg/kg	UJ	N
FTA-94-GP05	SS	No	No	concrete slab	Phenanthrene	0.43	mg/kg	U	N
FTA-94-GP05	SS	No	No	concrete slab	Pyrene	0.43	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Acenaphthene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Acenaphthylene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Anthracene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Benzo(a)anthracene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Benzo(a)pyrene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Benzo(b)fluoranthene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Benzo(ghi)perylene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Benzo(k)fluoranthene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Chrysene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Fluoranthene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Fluorene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Naphthalene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Naphthalene	0.0058	mg/kg	UJ	N
FTA-94-GP08	SS	No	No	concrete slab	Phenanthrene	0.38	mg/kg	U	N
FTA-94-GP08	SS	No	No	concrete slab	Pyrene	0.38	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Acenaphthene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Acenaphthylene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Anthracene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Benzo(a)anthracene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Benzo(a)pyrene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Benzo(b)fluoranthene	3.6	mg/kg	UJ	N
FTA-145-GP02	SS	No	YES	grassy	Benzo(ghi)perylene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Benzo(k)fluoranthene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Chrysene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Dibenz(a,h)anthracene	3.6	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-145-GP02	SS	No	YES	grassy	Fluoranthene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Fluorene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Naphthalene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Naphthalene	0.0035	mg/kg	J	Y
FTA-145-GP02	SS	No	YES	grassy	Phenanthrene	3.6	mg/kg	U	N
FTA-145-GP02	SS	No	YES	grassy	Pyrene	3.6	mg/kg	U	N
FTA-145-GP06	SS	No	YES	grassy w/gravel	Acenaphthene	2	mg/kg	U	N
FTA-145-GP06	SS	No	YES	grassy w/gravel	Acenaphthylene	0.49	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Anthracene	0.86	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Benzo(a)anthracene	0.23	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Benzo(a)pyrene	0.42	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Benzo(b)fluoranthene	0.29	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Benzo(ghi)perylene	1.5	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Benzo(k)fluoranthene	0.42	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Chrysene	0.31	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Dibenz(a,h)anthracene	0.29	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Fluoranthene	0.23	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Fluorene	2	mg/kg	U	N
FTA-145-GP06	SS	No	YES	grassy w/gravel	Indeno(1,2,3-cd)pyrene	0.69	mg/kg	J	Y
FTA-145-GP06	SS	No	YES	grassy w/gravel	Naphthalene	2	mg/kg	U	N
FTA-145-GP06	SS	No	YES	grassy w/gravel	Naphthalene	0.0061	mg/kg	UJ	N
FTA-145-GP06	SS	No	YES	grassy w/gravel	Phenanthrene	2	mg/kg	U	N
FTA-145-GP06	SS	No	YES	grassy w/gravel	Pyrene	0.21	mg/kg	J	Y
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Acenaphthene	0.39	mg/kg	U	N
TA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Acenaphthylene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Anthracene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Benzo(a)anthracene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Benzo(a)pyrene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Benzo(b)fluoranthene	0.39	mg/kg	UJ	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Benzo(ghi)perylene	0.042	mg/kg	J	Y
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Benzo(k)fluoranthene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Chrysene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Fluoranthene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Fluorene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Naphthalene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Naphthalene	0.0059	mg/kg	UJ	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Phenanthrene	0.39	mg/kg	U	N
FTA-145-GP07	SS	No	No	gravel, upgradient to asphalt	Pyrene	0.39	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Acenaphthene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Acenaphthylene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Anthracene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(a)anthracene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(a)pyrene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(b)fluoranthene	1.9	mg/kg	UJ	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(ghi)perylene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(k)fluoranthene	1.9	mg/kg	UJ	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Chrysene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Dibenz(a,h)anthracene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Fluoranthene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Fluorene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Naphthalene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Naphthalene	0.0058	mg/kg	UJ	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Phenanthrene	1.9	mg/kg	U	N
FTA-145-GP08	SS	No	No	gravel/grass, upgradient to asphalt	Pyrene	1.9	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Acenaphthene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Acenaphthylene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Anthracene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(a)anthracene	0.35	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(a)pyrene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(b)fluoranthene	0.35	mg/kg	UJ	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Benzo(k)fluoranthene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Chrysene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Fluoranthene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Fluorene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Naphthalene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Naphthalene	0.0054	mg/kg	UJ	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Phenanthrene	0.35	mg/kg	U	N
FTA-145-GP09	SS	No	No	gravel/grass, upgradient to asphalt	Pyrene	0.35	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Acenaphthene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Acenaphthylene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Anthracene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Benzo(a)anthracene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Benzo(a)pyrene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Benzo(b)fluoranthene	4	mg/kg	UJ	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Benzo(ghi)perylene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Benzo(k)fluoranthene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Chrysene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Dibenz(a,h)anthracene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Fluoranthene	0.57	mg/kg	J	Y
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Fluorene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Indeno(1,2,3-cd)pyrene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Naphthalene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Naphthalene	0.0061	mg/kg	UJ	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Phenanthrene	4	mg/kg	U	N
FTA-145-GP10	SS	No	YES	grassy low lying area where surface water collects	Pyrene	0.42	mg/kg	J	Y
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Acenaphthene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Acenaphthylene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Anthracene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Benzo(a)anthracene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Benzo(a)pyrene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Benzo(b)fluoranthene	0.35	mg/kg	UJ	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Benzo(k)fluoranthene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Chrysene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Fluoranthene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Fluorene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Naphthalene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Naphthalene	0.0054	mg/kg	UJ	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Phenanthrene	0.35	mg/kg	U	N
FTA-145-GP12	SS	No	No	gravel/sand, upgradient to asphalt	Pyrene	0.35	mg/kg	U	N
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Acenaphthene	0.38	mg/kg	U	N
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Acenaphthylene	0.066	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Anthracene	0.052	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Benzo(a)anthracene	0.037	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Benzo(a)pyrene	0.046	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Benzo(b)fluoranthene	0.072	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Benzo(ghi)perylene	0.12	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Benzo(k)fluoranthene	0.042	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Chrysene	0.053	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Dibenz(a,h)anthracene	0.04	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Fluoranthene	0.063	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Fluorene	0.38	mg/kg	U	N
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Indeno(1,2,3-cd)pyrene	0.097	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Naphthalene	0.38	mg/kg	U	N
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Naphthalene	0.0057	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Phenanthrene	0.034	mg/kg	J	Y
FTA-145-GP13	SS	No	YES	grass/sand, wooded area	Pyrene	0.057	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Acenaphthene	0.38	mg/kg	U	N
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Acenaphthylene	0.087	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Anthracene	0.062	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Benzo(a)anthracene	0.057	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Benzo(a)pyrene	0.063	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Benzo(b)fluoranthene	0.069	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Benzo(ghi)perylene	0.11	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Benzo(k)fluoranthene	0.088	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Chrysene	0.07	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Fluoranthene	0.08	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Fluorene	0.38	mg/kg	U	N
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Indeno(1,2,3-cd)pyrene	0.085	mg/kg	J	Y
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Naphthalene	0.38	mg/kg	U	N
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Naphthalene	0.0078	mg/kg	UJ	N
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Phenanthrene	0.38	mg/kg	U	N
FTA-145-GP14	SS	No	YES	grass/sand, wooded area	Pyrene	0.086	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Acenaphthene	0.37	mg/kg	U	N
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Acenaphthylene	0.37	mg/kg	U	N
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Anthracene	0.038	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Benzo(a)anthracene	0.11	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Benzo(a)pyrene	0.13	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Benzo(b)fluoranthene	0.15	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Benzo(ghi)perylene	0.054	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Benzo(k)fluoranthene	0.16	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Chrysene	0.13	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Fluoranthene	0.24	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Fluorene	0.37	mg/kg	U	N
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Indeno(1,2,3-cd)pyrene	0.06	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Naphthalene	0.37	mg/kg	U	N
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Naphthalene	0.0056	mg/kg	UJ	N
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Phenanthrene	0.11	mg/kg	J	Y
FTA-146-GP06	SS	No	No	grassy, near oil/water separator and washrack	Pyrene	0.19	mg/kg	J	Y
FTA-147-GP04	SS	No	YES	grassy	Acenaphthene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Acenaphthylene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Anthracene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Benzo(a)anthracene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Benzo(a)pyrene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Benzo(b)fluoranthene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Benzo(ghi)perylene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Benzo(k)fluoranthene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Chrysene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Fluoranthene	0.046	mg/kg	J	Y
FTA-147-GP04	SS	No	YES	grassy	Fluorene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Naphthalene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-147-GP04	SS	No	YES	grassy	Phenanthrene	0.36	mg/kg	U	N
FTA-147-GP04	SS	No	YES	grassy	Pyrene	0.044	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Acenaphthene	0.36	mg/kg	U	N
FTA-147-GP05	SS	No	No	grass next to washrack	Acenaphthylene	0.36	mg/kg	U	N
FTA-147-GP05	SS	No	No	grass next to washrack	Anthracene	0.053	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Benzo(a)anthracene	0.13	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Benzo(a)pyrene	0.14	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Benzo(b)fluoranthene	0.17	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Benzo(ghi)perylene	0.12	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Chrysene	0.14	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-147-GP05	SS	No	No	grass next to washrack	Dibenz(a,h)anthracene	0.053	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Fluoranthene	0.27	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Fluorene	0.36	mg/kg	U	N
FTA-147-GP05	SS	No	No	grass next to washrack	Indeno(1,2,3-cd)pyrene	0.1	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Naphthalene	0.36	mg/kg	U	N
FTA-147-GP05	SS	No	No	grass next to washrack	Naphthalene	0.0054	mg/kg	UJ	N
FTA-147-GP05	SS	No	No	grass next to washrack	Phenanthrene	0.18	mg/kg	J	Y
FTA-147-GP05	SS	No	No	grass next to washrack	Pyrene	0.2	mg/kg	J	Y
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Acenaphthene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Acenaphthylene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Anthracene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Benzo(a)anthracene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Benzo(a)pyrene	0.038	mg/kg	J	Y
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Benzo(b)fluoranthene	0.044	mg/kg	J	Y
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Benzo(ghi)perylene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Benzo(k)fluoranthene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Chrysene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Fluoranthene	0.053	mg/kg	J	Y
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Fluorene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Naphthalene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Naphthalene	0.0058	mg/kg	UJ	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Phenanthrene	0.38	mg/kg	U	N
FTA-147-GP09	SS	No	No	grassy , near oil/water separator	Pyrene	0.04	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Acenaphthene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Acenaphthylene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Anthracene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Benzo(a)anthracene	0.27	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Benzo(a)pyrene	0.5	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Benzo(b)fluoranthene	0.49	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Benzo(ghi)perylene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Benzo(k)fluoranthene	0.93	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Chrysene	0.73	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Dibenz(a,h)anthracene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Fluoranthene	0.98	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Fluorene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Naphthalene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Naphthalene	0.0054	mg/kg	UJ	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Phenanthrene	1.8	mg/kg	U	N
FTA-147-GP10	SS	No	No	grassy, added sample adj to abnd oil UST/grease racks	Pyrene	0.89	mg/kg	J	Y
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Acenaphthene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Acenaphthylene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Anthracene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(a)anthracene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(a)pyrene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(b)fluoranthene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(ghi)perylene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Chrysene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Fluoranthene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Fluorene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.0059	mg/kg	UJ	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Phenanthrene	0.39	mg/kg	U	N
FTA-148-GP11	SS	No	No	grass, upgradient to asphalt	Pyrene	0.39	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Acenaphthene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Acenaphthylene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Anthracene	0.37	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-148-GP12	SS	No	YES	grass	Benzo(a)anthracene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Benzo(a)pyrene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Benzo(b)fluoranthene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N
FTA-148-GP12	SS	No	YES	grass	Chrysene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Fluoranthene	0.04	mg/kg	J	Y
FTA-148-GP12	SS	No	YES	grass	Fluorene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Naphthalene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Naphthalene	0.0031	mg/kg	J	Y
FTA-148-GP12	SS	No	YES	grass	Phenanthrene	0.37	mg/kg	U	N
FTA-148-GP12	SS	No	YES	grass	Pyrene	0.029	mg/kg	J	Y
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Acenaphthene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Acenaphthylene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Anthracene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Benzo(a)anthracene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Benzo(a)pyrene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Benzo(b)fluoranthene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Chrysene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Fluoranthene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Fluorene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.0056	mg/kg	UJ	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Phenanthrene	0.37	mg/kg	U	N
FTA-148-GP13	SS	No	No	grass, upgradient to asphalt	Pyrene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Acenaphthene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Acenaphthylene	0.04	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Anthracene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Benzo(a)anthracene	0.076	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Benzo(a)pyrene	0.1	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Benzo(b)fluoranthene	0.1	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Benzo(ghi)perylene	0.058	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Benzo(k)fluoranthene	0.15	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Chrysene	0.098	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Fluoranthene	0.084	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Fluorene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Indeno(1,2,3-cd)pyrene	0.061	mg/kg	J	Y
FTA-148-GP14	SS	No	YES	grass	Naphthalene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Naphthalene	0.0056	mg/kg	UJ	N
FTA-148-GP14	SS	No	YES	grass	Phenanthrene	0.37	mg/kg	U	N
FTA-148-GP14	SS	No	YES	grass	Pyrene	0.062	mg/kg	J	Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Acenaphthene	2	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Acenaphthylene	0.19	mg/kg	J	Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Anthracene	2.7	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Benzo(a)anthracene	6	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Benzo(a)pyrene	5.3	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Benzo(b)fluoranthene	5.9	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Benzo(ghi)perylene	0.79	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Benzo(k)fluoranthene	3.9	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Chrysene	5.4	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Dibenz(a,h)anthracene	0.52	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Fluoranthene	13	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Fluorene	1.3	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Indeno(1,2,3-cd)pyrene	0.98	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Naphthalene	0.62	mg/kg		Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Phenanthrene	11	mg/kg		Y
FTA-151-GP02	SS	No	YES	grassy (topo low area) near golf course	Pyrene	9.2	mg/kg		Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Acenaphthylene	0.36	mg/kg	U	N
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Anthracene	0.063	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Benzo(a)anthracene	0.18	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Benzo(a)pyrene	0.14	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Benzo(b)fluoranthene	0.21	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Benzo(ghi)perylene	0.11	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Benzo(k)fluoranthene	0.2	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Chrysene	0.21	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Dibenz(a,h)anthracene	0.06	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Fluoranthene	0.46	mg/kg		Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Fluorene	0.36	mg/kg	U	N
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Naphthalene	0.0054	mg/kg	UJ	N
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Phenanthrene	0.27	mg/kg	J	Y
FTA-151-GP03	SS	No	YES	grassy area near two loading doors	Pyrene	0.31	mg/kg	J	Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Acenaphthene	0.64	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Acenaphthylene	0.036	mg/kg	J	Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Anthracene	1	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Benzo(a)anthracene	3.9	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Benzo(a)pyrene	2.7	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Benzo(b)fluoranthene	3.6	mg/kg	J	Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Benzo(ghi)perylene	1.1	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Benzo(k)fluoranthene	2.2	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Chrysene	3.8	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Dibenz(a,h)anthracene	0.57	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Fluoranthene	8.4	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Fluorene	0.55	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Indeno(1,2,3-cd)pyrene	1.2	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Naphthalene	0.23	mg/kg	J	Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Naphthalene	0.0054	mg/kg	UJ	N
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Phenanthrene	6.8	mg/kg		Y
FTA-151-GP04	SS	No	YES	grassy area w/gravel loading ramp within 30 ft.	Pyrene	5.6	mg/kg		Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Acenaphthene	0.047	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Acenaphthylene	0.34	mg/kg	U	N
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Anthracene	0.087	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Benzo(a)anthracene	0.29	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Benzo(a)pyrene	0.32	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Benzo(b)fluoranthene	0.38	mg/kg		Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Benzo(ghi)perylene	0.14	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Benzo(k)fluoranthene	0.3	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Chrysene	0.34	mg/kg		Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Dibenz(a,h)anthracene	0.082	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Fluoranthene	0.68	mg/kg		Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Fluorene	0.037	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Phenanthrene	0.39	mg/kg		Y
FTA-151-GP05	SS	No	YES	grassy areas near AC unit and vent approx 10 ft.	Pyrene	0.48	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Acenaphthene	0.26	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Acenaphthylene	0.029	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Anthracene	0.37	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Benzo(a)anthracene	0.94	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Benzo(a)pyrene	0.85	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Benzo(b)fluoranthene	1.2	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Benzo(ghi)perylene	0.33	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Benzo(k)fluoranthene	0.67	mg/kg		Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Chrysene	0.94	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Dibenz(a,h)anthracene	0.17	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Fluoranthene	2.3	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Fluorene	0.18	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Indeno(1,2,3-cd)pyrene	0.36	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Naphthalene	0.087	mg/kg	J	Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Phenanthrene	1.8	mg/kg		Y
FTA-151-GP06	SS	No	YES	grassy area near railroad loading area	Pyrene	1.6	mg/kg		Y
FTA-151-GP08	SS	No	YES	gravel/grassy	Acenaphthene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Acenaphthylene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Anthracene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Benzo(a)anthracene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Benzo(a)pyrene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Benzo(b)fluoranthene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Benzo(ghi)perylene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Benzo(k)fluoranthene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Chrysene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Dibenz(a,h)anthracene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Fluoranthene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Fluorene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Phenanthrene	0.34	mg/kg	U	N
FTA-151-GP08	SS	No	YES	gravel/grassy	Pyrene	0.34	mg/kg	U	N
FTA-151-GP09	SS	No	YES	gravel/grassy	Acenaphthene	0.042	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Acenaphthylene	0.058	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Anthracene	0.12	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Benzo(a)anthracene	0.35	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Benzo(a)pyrene	0.37	mg/kg		Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Benzo(b)fluoranthene	0.46	mg/kg		Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Benzo(ghi)perylene	0.21	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Benzo(k)fluoranthene	0.35	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Chrysene	0.38	mg/kg		Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Dibenz(a,h)anthracene	0.099	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Fluoranthene	0.74	mg/kg		Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Fluorene	0.36	mg/kg	U	N
FTA-151-GP09	SS	No	YES	gravel/grassy	Indeno(1,2,3-cd)pyrene	0.21	mg/kg	J	Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP09	SS	No	YES	gravel/grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP09	SS	No	YES	gravel/grassy	Phenanthrene	0.36	mg/kg		Y
FTA-151-GP09	SS	No	YES	gravel/grassy	Pyrene	0.52	mg/kg		Y
FTA-151-GP10	SS	No	YES	grassy	Acenaphthene	0.37	mg/kg	U	N
FTA-151-GP10	SS	No	YES	grassy	Acenaphthylene	0.37	mg/kg	U	N
FTA-151-GP10	SS	No	YES	grassy	Anthracene	0.054	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Benzo(a)anthracene	0.12	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Benzo(a)pyrene	0.13	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Benzo(b)fluoranthene	0.17	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Benzo(ghi)perylene	0.07	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Benzo(k)fluoranthene	0.14	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Chrysene	0.14	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.044	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Fluoranthene	0.23	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Fluorene	0.37	mg/kg	U	N
FTA-151-GP10	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Naphthalene	0.37	mg/kg	U	N
FTA-151-GP10	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP10	SS	No	YES	grassy	Phenanthrene	0.11	mg/kg	J	Y
FTA-151-GP10	SS	No	YES	grassy	Pyrene	0.15	mg/kg	J	Y
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Acenaphthene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Acenaphthylene	0.35	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Anthracene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(a)anthracene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(a)pyrene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(b)fluoranthene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Benzo(k)fluoranthene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Chrysene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Fluoranthene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Fluorene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.0053	mg/kg	UJ	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Phenanthrene	0.35	mg/kg	U	N
FTA-151-GP11	SS	No	No	grass, upgradient to asphalt	Pyrene	0.35	mg/kg	U	N
FTA-151-GP12	SS	No	YES	grassy	Acenaphthene	0.35	mg/kg	U	N
FTA-151-GP12	SS	No	YES	grassy	Acenaphthylene	0.092	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Anthracene	0.07	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Benzo(a)anthracene	0.096	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Benzo(a)pyrene	0.13	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Benzo(b)fluoranthene	0.14	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Benzo(ghi)perylene	0.1	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Benzo(k)fluoranthene	0.12	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Chrysene	0.12	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.048	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Fluoranthene	0.14	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Fluorene	0.35	mg/kg	U	N
FTA-151-GP12	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.086	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Naphthalene	0.35	mg/kg	U	N
FTA-151-GP12	SS	No	YES	grassy	Naphthalene	0.0053	mg/kg	UJ	N
FTA-151-GP12	SS	No	YES	grassy	Phenanthrene	0.047	mg/kg	J	Y
FTA-151-GP12	SS	No	YES	grassy	Pyrene	0.11	mg/kg	J	Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthene	0.035	mg/kg	J	Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthylene	1.6	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Anthracene	1.4	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)anthracene	3	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)pyrene	3.8	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(b)fluoranthene	5.5	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(ghi)perylene	0.76	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(k)fluoranthene	2.7	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Chrysene	2.3	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Dibenz(a,h)anthracene	0.67	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Fluoranthene	1.7	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Fluorene	0.067	mg/kg	J	Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Indeno(1,2,3-cd)pyrene	0.97	mg/kg		Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Phenanthrene	0.066	mg/kg	J	Y
FTA-151-GP13	SS	No	YES	grassy area w/gravel near railroad loading area	Pyrene	1.5	mg/kg		Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthylene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Anthracene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)anthracene	0.032	mg/kg	J	Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)pyrene	0.039	mg/kg	J	Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(b)fluoranthene	0.044	mg/kg	J	Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(ghi)perylene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(k)fluoranthene	0.057	mg/kg	J	Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Chrysene	0.048	mg/kg	J	Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Dibenz(a,h)anthracene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Fluoranthene	0.058	mg/kg	J	Y
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Fluorene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Phenanthrene	0.34	mg/kg	U	N
FTA-151-GP14	SS	No	YES	grassy area w/gravel near railroad loading area	Pyrene	0.046	mg/kg	J	Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthene	0.34	mg/kg	U	N
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthylene	0.25	mg/kg	J	Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Anthracene	0.21	mg/kg	J	Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)anthracene	0.43	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)pyrene	0.48	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(b)fluoranthene	0.78	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(ghi)perylene	0.35	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(k)fluoranthene	0.52	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Chrysene	0.55	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Dibenz(a,h)anthracene	0.18	mg/kg	J	Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Fluoranthene	0.7	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Fluorene	0.34	mg/kg	U	N
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Indeno(1,2,3-cd)pyrene	0.34	mg/kg		Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.0069	mg/kg	UJ	N
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Phenanthrene	0.23	mg/kg	J	Y
FTA-151-GP15	SS	No	YES	grassy area w/gravel near railroad loading area	Pyrene	0.47	mg/kg		Y
FTA-151-GP16	SS	No	YES	grassy	Acenaphthene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Acenaphthylene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Anthracene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Benzo(a)anthracene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Benzo(a)pyrene	0.041	mg/kg	J	Y
FTA-151-GP16	SS	No	YES	grassy	Benzo(b)fluoranthene	0.045	mg/kg	J	Y
FTA-151-GP16	SS	No	YES	grassy	Benzo(ghi)perylene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Benzo(k)fluoranthene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Chrysene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Fluoranthene	0.06	mg/kg	J	Y
FTA-151-GP16	SS	No	YES	grassy	Fluorene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Naphthalene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Naphthalene	0.0061	mg/kg	UJ	N
FTA-151-GP16	SS	No	YES	grassy	Phenanthrene	0.4	mg/kg	U	N
FTA-151-GP16	SS	No	YES	grassy	Pyrene	0.054	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Acenaphthene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Acenaphthylene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Anthracene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Benzo(a)anthracene	0.044	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Benzo(a)pyrene	0.059	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Benzo(b)fluoranthene	0.065	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Benzo(ghi)perylene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Benzo(k)fluoranthene	0.082	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Chrysene	0.074	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Fluoranthene	0.11	mg/kg	J	Y
FTA-151-GP17	SS	No	YES	grassy	Fluorene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Naphthalene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Naphthalene	0.0064	mg/kg	UJ	N
FTA-151-GP17	SS	No	YES	grassy	Phenanthrene	0.42	mg/kg	U	N
FTA-151-GP17	SS	No	YES	grassy	Pyrene	0.081	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Acenaphthene	0.062	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Acenaphthylene	0.06	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Anthracene	0.25	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Benzo(a)anthracene	0.75	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Benzo(a)pyrene	0.73	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Benzo(b)fluoranthene	0.67	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Benzo(ghi)perylene	0.27	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-151-GP18	SS	No	YES	grassy	Benzo(k)fluoranthene	0.75	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Chrysene	0.71	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.1	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Fluoranthene	1.6	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Fluorene	0.091	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Naphthalene	0.13	mg/kg	J	Y
FTA-151-GP18	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP18	SS	No	YES	grassy	Phenanthrene	0.84	mg/kg		Y
FTA-151-GP18	SS	No	YES	grassy	Pyrene	1.1	mg/kg		Y
FTA-151-GP19	SS	No	YES	grassy	Acenaphthene	0.4	mg/kg	U	N
FTA-151-GP19	SS	No	YES	grassy	Acenaphthylene	0.4	mg/kg	U	N
FTA-151-GP19	SS	No	YES	grassy	Anthracene	0.05	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Benzo(a)anthracene	0.13	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Benzo(a)pyrene	0.13	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Benzo(b)fluoranthene	0.15	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Benzo(ghi)perylene	0.034	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Chrysene	0.15	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.4	mg/kg	U	N
FTA-151-GP19	SS	No	YES	grassy	Fluoranthene	0.22	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Fluorene	0.4	mg/kg	U	N
FTA-151-GP19	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Naphthalene	0.4	mg/kg	U	N
FTA-151-GP19	SS	No	YES	grassy	Naphthalene	0.0061	mg/kg	UJ	N
FTA-151-GP19	SS	No	YES	grassy	Phenanthrene	0.14	mg/kg	J	Y
FTA-151-GP19	SS	No	YES	grassy	Pyrene	0.18	mg/kg	J	Y
FTA-151-GP20	SS	No	YES	gravel/grassy	Acenaphthene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Acenaphthylene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Anthracene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Benzo(a)anthracene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Benzo(a)pyrene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Benzo(b)fluoranthene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Benzo(ghi)perylene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Benzo(k)fluoranthene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Chrysene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Dibenz(a,h)anthracene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Fluoranthene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Fluorene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Naphthalene	0.0052	mg/kg	UJ	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Phenanthrene	0.34	mg/kg	U	N
FTA-151-GP20	SS	No	YES	gravel/grassy	Pyrene	0.34	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthylene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Anthracene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)anthracene	0.053	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)pyrene	0.1	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(b)fluoranthene	0.08	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(ghi)perylene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(k)fluoranthene	0.12	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Chrysene	0.074	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Fluoranthene	0.079	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Fluorene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Phenanthrene	0.04	mg/kg	J	Y
FTA-151-GP21	SS	No	YES	grassy area w/gravel near railroad loading area	Pyrene	0.067	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Acenaphthene	0.37	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-151-GP22	SS	No	YES	grassy	Acenaphthylene	0.37	mg/kg	U	N
FTA-151-GP22	SS	No	YES	grassy	Anthracene	0.37	mg/kg	U	N
FTA-151-GP22	SS	No	YES	grassy	Benzo(a)anthracene	0.039	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Benzo(a)pyrene	0.04	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Benzo(b)fluoranthene	0.075	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Benzo(ghi)perylene	0.038	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Benzo(k)fluoranthene	0.069	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Chrysene	0.056	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-151-GP22	SS	No	YES	grassy	Fluoranthene	0.043	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Fluorene	0.37	mg/kg	U	N
FTA-151-GP22	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.038	mg/kg	J	Y
FTA-151-GP22	SS	No	YES	grassy	Naphthalene	0.37	mg/kg	U	N
FTA-151-GP22	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP22	SS	No	YES	grassy	Phenanthrene	0.37	mg/kg	U	N
FTA-151-GP22	SS	No	YES	grassy	Pyrene	0.37	mg/kg	U	N
FTA-151-GP23	SS	No	YES	grassy	Acenaphthene	0.39	mg/kg	U	N
FTA-151-GP23	SS	No	YES	grassy	Acenaphthylene	0.39	mg/kg	U	N
FTA-151-GP23	SS	No	YES	grassy	Anthracene	0.029	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Benzo(a)anthracene	0.084	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Benzo(a)pyrene	0.12	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Benzo(b)fluoranthene	0.13	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Benzo(ghi)perylene	0.079	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Benzo(k)fluoranthene	0.12	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Chrysene	0.11	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.045	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Fluoranthene	0.14	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Fluorene	0.39	mg/kg	U	N
FTA-151-GP23	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Naphthalene	0.39	mg/kg	U	N
FTA-151-GP23	SS	No	YES	grassy	Naphthalene	0.0059	mg/kg	UJ	N
FTA-151-GP23	SS	No	YES	grassy	Phenanthrene	0.044	mg/kg	J	Y
FTA-151-GP23	SS	No	YES	grassy	Pyrene	0.11	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Acenaphthene	0.37	mg/kg	U	N
FTA-151-GP24	SS	No	YES	grassy	Acenaphthylene	0.37	mg/kg	U	N
FTA-151-GP24	SS	No	YES	grassy	Anthracene	0.038	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Benzo(a)anthracene	0.094	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Benzo(a)pyrene	0.12	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Benzo(ghi)perylene	0.061	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Benzo(k)fluoranthene	0.14	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Chrysene	0.13	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.037	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Fluoranthene	0.21	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Fluorene	0.37	mg/kg	U	N
FTA-151-GP24	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.065	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Naphthalene	0.37	mg/kg	U	N
FTA-151-GP24	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP24	SS	No	YES	grassy	Phenanthrene	0.064	mg/kg	J	Y
FTA-151-GP24	SS	No	YES	grassy	Pyrene	0.15	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthene	0.34	mg/kg	U	N
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Acenaphthylene	0.15	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Anthracene	0.16	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)anthracene	0.29	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(a)pyrene	0.35	mg/kg		Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(b)fluoranthene	0.4	mg/kg		Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(ghi)perylene	0.16	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Benzo(k)fluoranthene	0.51	mg/kg		Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Chrysene	0.39	mg/kg		Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Fluoranthene	0.58	mg/kg		Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Fluorene	0.34	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.34	mg/kg	U	N
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Naphthalene	0.0051	mg/kg	UJ	N
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Phenanthrene	0.12	mg/kg	J	Y
FTA-151-GP25	SS	No	YES	grassy area w/gravel near railroad loading area	Pyrene	0.46	mg/kg		Y
FTA-151-GP27	SS	No	YES	grassy	Acenaphthene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Acenaphthylene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Anthracene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Benzo(a)anthracene	0.075	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Benzo(a)pyrene	0.097	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Benzo(ghi)perylene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Chrysene	0.11	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Fluoranthene	0.15	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Fluorene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Naphthalene	0.38	mg/kg	U	N
FTA-151-GP27	SS	No	YES	grassy	Naphthalene	0.0079	mg/kg	UJ	N
FTA-151-GP27	SS	No	YES	grassy	Phenanthrene	0.051	mg/kg	J	Y
FTA-151-GP27	SS	No	YES	grassy	Pyrene	0.12	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Acenaphthene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Acenaphthylene	0.038	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Anthracene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Benzo(a)anthracene	0.063	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Benzo(a)pyrene	0.087	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Benzo(ghi)perylene	0.029	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Chrysene	0.1	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Fluoranthene	0.11	mg/kg	J	Y
FTA-151-GP28	SS	No	YES	grassy	Fluorene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Naphthalene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Naphthalene	0.0056	mg/kg	UJ	N
FTA-151-GP28	SS	No	YES	grassy	Phenanthrene	0.37	mg/kg	U	N
FTA-151-GP28	SS	No	YES	grassy	Pyrene	0.097	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Acenaphthene	0.5	mg/kg	U	N
FTA-151-GP29	SS	No	YES	grassy	Acenaphthylene	0.5	mg/kg	U	N
FTA-151-GP29	SS	No	YES	grassy	Anthracene	0.072	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Benzo(a)anthracene	0.21	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Benzo(a)pyrene	0.25	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Benzo(b)fluoranthene	0.31	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Benzo(ghi)perylene	0.07	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Benzo(k)fluoranthene	0.31	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Chrysene	0.29	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.5	mg/kg	U	N
FTA-151-GP29	SS	No	YES	grassy	Fluoranthene	0.53	mg/kg		Y
FTA-151-GP29	SS	No	YES	grassy	Fluorene	0.5	mg/kg	U	N
FTA-151-GP29	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.081	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Naphthalene	0.5	mg/kg	U	N
FTA-151-GP29	SS	No	YES	grassy	Naphthalene	0.0075	mg/kg	UJ	N
FTA-151-GP29	SS	No	YES	grassy	Phenanthrene	0.25	mg/kg	J	Y
FTA-151-GP29	SS	No	YES	grassy	Pyrene	0.43	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Acenaphthene	0.39	mg/kg	U	N
FTA-151-GP30	SS	No	YES	grassy	Acenaphthylene	0.39	mg/kg	U	N
FTA-151-GP30	SS	No	YES	grassy	Anthracene	0.39	mg/kg	U	N
FTA-151-GP30	SS	No	YES	grassy	Benzo(a)anthracene	0.079	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Benzo(a)pyrene	0.094	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Benzo(b)fluoranthene	0.082	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP30	SS	No	YES	grassy	Benzo(ghi)perylene	0.074	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Benzo(k)fluoranthene	0.11	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Chrysene	0.099	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
FTA-151-GP30	SS	No	YES	grassy	Fluoranthene	0.16	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Fluorene	0.39	mg/kg	U	N
FTA-151-GP30	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Naphthalene	0.39	mg/kg	U	N
FTA-151-GP30	SS	No	YES	grassy	Naphthalene	0.0059	mg/kg	UJ	N
FTA-151-GP30	SS	No	YES	grassy	Phenanthrene	0.068	mg/kg	J	Y
FTA-151-GP30	SS	No	YES	grassy	Pyrene	0.13	mg/kg	J	Y
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Acenaphthene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Acenaphthylene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Anthracene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Benzo(a)anthracene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Benzo(a)pyrene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Benzo(b)fluoranthene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Benzo(ghi)perylene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Chrysene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Fluoranthene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Fluorene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Naphthalene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Naphthalene	0.0059	mg/kg	UJ	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Phenanthrene	0.39	mg/kg	U	N
FTA-151-GP31	SS	No	No	Hand Augered below concrete	Pyrene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Acenaphthene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Acenaphthylene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Anthracene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Benzo(a)anthracene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Benzo(a)pyrene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Benzo(b)fluoranthene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Benzo(ghi)perylene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Benzo(k)fluoranthene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Chrysene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Fluoranthene	0.066	mg/kg	J	Y
FTA-151-GP33	SS	No	YES	concrete present	Fluorene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Naphthalene	0.39	mg/kg	U	N
FTA-151-GP33	SS	No	YES	concrete present	Naphthalene	0.0059	mg/kg	UJ	N
FTA-151-GP33	SS	No	YES	concrete present	Phenanthrene	0.058	mg/kg	J	Y
FTA-151-GP33	SS	No	YES	concrete present	Pyrene	0.066	mg/kg	J	Y
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Acenaphthylene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Anthracene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Benzo(a)anthracene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Benzo(a)pyrene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Benzo(b)fluoranthene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Benzo(ghi)perylene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Benzo(k)fluoranthene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Chrysene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Fluoranthene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Fluorene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Naphthalene	0.0054	mg/kg	UJ	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Phenanthrene	0.36	mg/kg	U	N
FTA-151-GP34	SS	No	No	grass adj to Bldg 234 floor drains	Pyrene	0.36	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Acenaphthene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Acenaphthylene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Anthracene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(a)anthracene	0.045	mg/kg	J	Y
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(a)pyrene	0.043	mg/kg	J	Y
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(b)fluoranthene	0.048	mg/kg	J	Y
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(ghi)perylene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Chrysene	0.06	mg/kg	J	Y
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Fluoranthene	0.093	mg/kg	J	Y
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Fluorene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Naphthalene	0.36	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Phenanthrene	0.04	mg/kg	J	Y
FTA-151-GP35	SS	No	No	grassy adj to Bldg 234 floor drains	Pyrene	0.074	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Acenaphthene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Acenaphthylene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Anthracene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(a)anthracene	0.038	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(a)pyrene	0.05	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(b)fluoranthene	0.064	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(ghi)perylene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Benzo(k)fluoranthene	0.051	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Chrysene	0.051	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Fluoranthene	0.082	mg/kg	J	Y
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Fluorene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Naphthalene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Naphthalene	0.0056	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Phenanthrene	0.37	mg/kg	UJ	N
FTA-151-GP36	SS	No	No	grassy adj to Bldg 234 floor drains	Pyrene	0.07	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Acenaphthylene	0.041	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Anthracene	0.044	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(a)anthracene	0.15	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(a)pyrene	0.15	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(b)fluoranthene	0.18	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(ghi)perylene	0.099	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(k)fluoranthene	0.15	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Chrysene	0.17	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Dibenz(a,h)anthracene	0.042	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Fluoranthene	0.41	mg/kg		Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Fluorene	0.36	mg/kg	U	N
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Indeno(1,2,3-cd)pyrene	0.094	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Phenanthrene	0.24	mg/kg	J	Y
FTA-151-GP38	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Pyrene	0.35	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Acenaphthylene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Anthracene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(a)anthracene	0.042	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(a)pyrene	0.053	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(b)fluoranthene	0.055	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(ghi)perylene	0.034	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(k)fluoranthene	0.064	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Chrysene	0.059	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Fluoranthene	0.081	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Fluorene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Phenanthrene	0.038	mg/kg	J	Y
FTA-151-GP39	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Pyrene	0.077	mg/kg	J	Y
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Acenaphthylene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Anthracene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(a)anthracene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(a)pyrene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(b)fluoranthene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(ghi)perylene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Benzo(k)fluoranthene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Chrysene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Fluoranthene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Fluorene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Naphthalene	0.0054	mg/kg	UJ	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Phenanthrene	0.36	mg/kg	U	N
FTA-151-GP40	SS	No	No	grassy approx 50 ft downgradient of o/w separator	Pyrene	0.36	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Acenaphthene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Acenaphthylene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Anthracene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Benzo(a)anthracene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Benzo(a)pyrene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Benzo(b)fluoranthene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Benzo(k)fluoranthene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Chrysene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Fluoranthene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Fluorene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Naphthalene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Naphthalene	0.0056	mg/kg	UJ	N
FTA-151-GP44	SS	No	YES	grassy	Phenanthrene	0.37	mg/kg	U	N
FTA-151-GP44	SS	No	YES	grassy	Pyrene	0.37	mg/kg	U	N
FTA-151-GP45	SS	No	YES	grassy	Acenaphthene	0.36	mg/kg	U	N
FTA-151-GP45	SS	No	YES	grassy	Acenaphthylene	0.36	mg/kg	U	N
FTA-151-GP45	SS	No	YES	grassy	Anthracene	0.079	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Benzo(a)anthracene	0.29	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Benzo(a)pyrene	0.24	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Benzo(b)fluoranthene	0.22	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Benzo(ghi)perylene	0.11	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Benzo(k)fluoranthene	0.26	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Chrysene	0.28	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.059	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Fluoranthene	0.52	mg/kg		Y
FTA-151-GP45	SS	No	YES	grassy	Fluorene	0.36	mg/kg	U	N
FTA-151-GP45	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Naphthalene	0.36	mg/kg	U	N
FTA-151-GP45	SS	No	YES	grassy	Naphthalene	0.0054	mg/kg	UJ	N
FTA-151-GP45	SS	No	YES	grassy	Phenanthrene	0.24	mg/kg	J	Y
FTA-151-GP45	SS	No	YES	grassy	Pyrene	0.4	mg/kg		Y
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Acenaphthene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Acenaphthylene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Anthracene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Benzo(a)anthracene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Benzo(a)pyrene	0.43	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Benzo(b)fluoranthene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Benzo(ghi)perylene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Benzo(k)fluoranthene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Chrysene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Dibenz(a,h)anthracene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Fluoranthene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Fluorene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Naphthalene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Naphthalene	0.0064	mg/kg	UJ	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Phenanthrene	0.43	mg/kg	U	N
FTA-151-GP46	SS	No	No	concrete floor of Bldg T-245	Pyrene	0.43	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Acenaphthene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Acenaphthylene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Anthracene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Benzo(a)anthracene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Benzo(a)pyrene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Benzo(b)fluoranthene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Benzo(ghi)perylene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Benzo(k)fluoranthene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Chrysene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Dibenz(a,h)anthracene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Fluoranthene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Fluorene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Naphthalene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Naphthalene	0.0067	mg/kg	UJ	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Phenanthrene	0.44	mg/kg	U	N
FTA-151-GP47	SS	No	No	concrete floor of Bldg T-245	Pyrene	0.44	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Acenaphthene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Acenaphthylene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Anthracene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Benzo(a)anthracene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Benzo(a)pyrene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Benzo(b)fluoranthene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Benzo(ghi)perylene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Benzo(k)fluoranthene	0.42	mg/kg	UJ	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Chrysene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Dibenz(a,h)anthracene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Fluoranthene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Fluorene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Naphthalene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Naphthalene	0.0063	mg/kg	UJ	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Phenanthrene	0.42	mg/kg	U	N
FTA-151-GP48	SS	No	No	concrete floor of Bldg T-245	Pyrene	0.42	mg/kg	U	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Acenaphthene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Acenaphthylene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Anthracene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Benzo(a)anthracene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Benzo(a)pyrene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Benzo(b)fluoranthene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Benzo(ghi)perylene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Chrysene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Fluoranthene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Fluorene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.37	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.0056	mg/kg	UJ	N
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Phenanthrene	0.37	mg/kg	UJ	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-151-GP51	SS	No	No	grass, upgradient of asphalt	Pyrene	0.37	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Acenaphthene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Acenaphthylene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Anthracene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Benzo(a)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Benzo(a)pyrene	0.026	mg/kg	J	Y
FTA-151-GP52	SS	No	YES	grassy	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Benzo(ghi)perylene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Chrysene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Fluoranthene	0.038	mg/kg	J	Y
FTA-151-GP52	SS	No	YES	grassy	Fluorene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Naphthalene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Phenanthrene	0.36	mg/kg	UJ	N
FTA-151-GP52	SS	No	YES	grassy	Pyrene	0.36	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Acenaphthene	0.35	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Acenaphthylene	0.35	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Anthracene	0.35	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Benzo(a)anthracene	0.076	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Benzo(a)pyrene	0.12	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Benzo(b)fluoranthene	0.13	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Benzo(ghi)perylene	0.062	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Benzo(k)fluoranthene	0.14	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Chrysene	0.11	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.04	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Fluoranthene	0.045	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Fluorene	0.35	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	J	Y
FTA-151-GP53	SS	No	YES	grassy	Naphthalene	0.35	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Naphthalene	0.0053	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Phenanthrene	0.35	mg/kg	UJ	N
FTA-151-GP53	SS	No	YES	grassy	Pyrene	0.051	mg/kg	J	Y
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Acenaphthene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Acenaphthylene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Anthracene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Benzo(a)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Benzo(a)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Benzo(ghi)perylene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Chrysene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Fluorene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Phenanthrene	0.36	mg/kg	UJ	N
FTA-151-GP54	SS	No	No	grass, upgradient of asphalt	Pyrene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Acenaphthene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Acenaphthylene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Anthracene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Benzo(a)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Benzo(a)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Benzo(ghi)perylene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Chrysene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Fluorene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Phenanthrene	0.36	mg/kg	UJ	N
FTA-151-GP55	SS	No	No	grass, upgradient of asphalt	Pyrene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Acenaphthene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Acenaphthylene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Anthracene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Benzo(a)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Benzo(a)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Benzo(ghi)perylene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Chrysene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Fluoranthene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Fluorene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.0055	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Phenanthrene	0.36	mg/kg	UJ	N
FTA-151-GP56	SS	No	No	grass, upgradient of asphalt	Pyrene	0.36	mg/kg	UJ	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Acenaphthene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Acenaphthylene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Anthracene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Benzo(a)anthracene	0.043	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Benzo(a)pyrene	0.05	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Benzo(b)fluoranthene	0.049	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Benzo(ghi)perylene	0.056	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Benzo(k)fluoranthene	0.055	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Chrysene	0.045	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Fluoranthene	0.041	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Fluorene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Indeno(1,2,3-cd)pyrene	0.056	mg/kg	J	Y
FTA-163-GP01	SS	No	No	grass next to o/w separator	Naphthalene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Naphthalene	0.0056	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Phenanthrene	0.37	mg/kg	U	N
FTA-163-GP01	SS	No	No	grass next to o/w separator	Pyrene	0.045	mg/kg	J	Y
FTA-163-GP02	SS	No	No	gravel, near grease rack	Acenaphthene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Acenaphthylene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Anthracene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Benzo(a)anthracene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Benzo(a)pyrene	0.026	mg/kg	J	Y
FTA-163-GP02	SS	No	No	gravel, near grease rack	Benzo(b)fluoranthene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Benzo(ghi)perylene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Benzo(k)fluoranthene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Chrysene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Fluoranthene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Fluorene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Naphthalene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Naphthalene	0.0018	mg/kg	J	Y
FTA-163-GP02	SS	No	No	gravel, near grease rack	Phenanthrene	0.37	mg/kg	U	N
FTA-163-GP02	SS	No	No	gravel, near grease rack	Pyrene	0.37	mg/kg	U	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Acenaphthene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Acenaphthylene	0.38	mg/kg	U	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Anthracene	0.38	mg/kg	U	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Benzo(a)anthracene	0.057	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Benzo(a)pyrene	0.045	mg/kg	J	Y
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Benzo(b)fluoranthene	0.054	mg/kg	J	Y
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Benzo(ghi)perylene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Benzo(k)fluoranthene	0.071	mg/kg	J	Y
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Chrysene	0.063	mg/kg	J	Y
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Fluoranthene	0.062	mg/kg	J	Y
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Fluorene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Naphthalene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Naphthalene	0.0011	mg/kg	B	Y
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Phenanthrene	0.38	mg/kg	UJ	N
FTA-163-GP03	SS	No	No	grass, downgradient of UST	Pyrene	0.075	mg/kg	J	Y
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Acenaphthene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Acenaphthylene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Anthracene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Benzo(a)anthracene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Benzo(a)pyrene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Benzo(ghi)perylene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Chrysene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Fluoranthene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Fluorene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Naphthalene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Naphthalene	0.0058	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Phenanthrene	0.38	mg/kg	UJ	N
FTA-163-GP04	SS	No	No	gravel/grassy, near frmr UST location	Pyrene	0.38	mg/kg	UJ	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Acenaphthene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Acenaphthylene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Anthracene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Benzo(a)anthracene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Benzo(a)pyrene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Benzo(b)fluoranthene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Benzo(ghi)perylene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Benzo(k)fluoranthene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Chrysene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Fluoranthene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Fluorene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Naphthalene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Naphthalene	0.0057	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Phenanthrene	0.38	mg/kg	U	N
FTA-163-GP10	SS	No	No	gravel, near former UST	Pyrene	0.38	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Acenaphthene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Acenaphthylene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Anthracene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Benzo(a)anthracene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Benzo(a)pyrene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Benzo(b)fluoranthene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Benzo(ghi)perylene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Benzo(k)fluoranthene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Chrysene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Fluoranthene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Fluorene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Naphthalene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Naphthalene	0.0055	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-163-GP12	SS	No	No	gravel, near former UST	Phenanthrene	0.36	mg/kg	U	N
FTA-163-GP12	SS	No	No	gravel, near former UST	Pyrene	0.36	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Acenaphthene	0.38	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Acenaphthylene	0.045	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Anthracene	0.38	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Benzo(a)anthracene	0.12	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Benzo(a)pyrene	0.11	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Benzo(ghi)perylene	0.1	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Chrysene	0.14	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Fluoranthene	0.24	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Fluorene	0.38	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Indeno(1,2,3-cd)pyrene	0.083	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Naphthalene	0.38	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Naphthalene	0.0057	mg/kg	U	N
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Phenanthrene	0.12	mg/kg	J	Y
FTA-163-MW01	SS	No	No	grass/sand, near washrack	Pyrene	0.19	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Acenaphthene	0.38	mg/kg	U	N
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Acenaphthylene	0.042	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Anthracene	0.38	mg/kg	U	N
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Benzo(a)anthracene	0.041	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Benzo(a)pyrene	0.11	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Benzo(ghi)perylene	0.14	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Benzo(k)fluoranthene	0.084	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Chrysene	0.048	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Dibenz(a,h)anthracene	0.38	mg/kg	U	N
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Fluoranthene	0.03	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Fluorene	0.38	mg/kg	U	N
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Indeno(1,2,3-cd)pyrene	0.1	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Naphthalene	0.38	mg/kg	U	N
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Naphthalene	0.0012	mg/kg	J	Y
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Phenanthrene	0.38	mg/kg	U	N
FTA-163-MW02	SS	No	No	grass/sand, near washrack	Pyrene	0.057	mg/kg	J	Y
FTA-163-MW06	SS	No	YES	grass/sand	Acenaphthene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Acenaphthylene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Anthracene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Benzo(a)anthracene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Benzo(a)pyrene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Benzo(b)fluoranthene	0.049	mg/kg	J	Y
FTA-163-MW06	SS	No	YES	grass/sand	Benzo(ghi)perylene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Benzo(k)fluoranthene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Chrysene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Dibenz(a,h)anthracene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Fluoranthene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Fluorene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Naphthalene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Naphthalene	0.006	mg/kg	UJ	N
FTA-163-MW06	SS	No	YES	grass/sand	Phenanthrene	0.4	mg/kg	U	N
FTA-163-MW06	SS	No	YES	grass/sand	Pyrene	0.4	mg/kg	U	N
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Acenaphthene	0.73	mg/kg	U	N
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Acenaphthylene	1.4	mg/kg		Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Anthracene	1.2	mg/kg		Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Benzo(a)anthracene	0.42	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Benzo(a)pyrene	0.79	mg/kg		Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Benzo(b)fluoranthene	0.71	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Benzo(ghi)perylene	1.1	mg/kg		Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Benzo(k)fluoranthene	0.9	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Chrysene	0.49	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Dibenz(a,h)anthracene	0.32	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Fluoranthene	0.55	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Fluorene	0.08	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Indeno(1,2,3-cd)pyrene	0.74	mg/kg		Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Naphthalene	0.73	mg/kg	U	N
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Naphthalene	0.0055	mg/kg	UJ	N
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Phenanthrene	0.15	mg/kg	J	Y
FTA-164-GP01	SS	No	YES	grass/gravel, poss. old asphalt area (m.pool)	Pyrene	0.48	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Acenaphthene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Acenaphthylene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Anthracene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Benzo(a)anthracene	0.038	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Benzo(a)pyrene	0.058	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Benzo(b)fluoranthene	0.068	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Benzo(k)fluoranthene	0.071	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Chrysene	0.044	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Fluoranthene	0.059	mg/kg	J	Y
FTA-164-GP02	SS	No	YES	grass/gravel	Fluorene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Naphthalene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Naphthalene	0.0053	mg/kg	UJ	N
FTA-164-GP02	SS	No	YES	grass/gravel	Phenanthrene	0.35	mg/kg	U	N
FTA-164-GP02	SS	No	YES	grass/gravel	Pyrene	0.062	mg/kg	J	Y
FTA-164-GP03	SS	No	YES	grass/gravel	Acenaphthene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Acenaphthylene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Anthracene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Benzo(a)anthracene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Benzo(a)pyrene	0.046	mg/kg	J	Y
FTA-164-GP03	SS	No	YES	grass/gravel	Benzo(b)fluoranthene	0.047	mg/kg	J	Y
FTA-164-GP03	SS	No	YES	grass/gravel	Benzo(ghi)perylene	0.036	mg/kg	J	Y
FTA-164-GP03	SS	No	YES	grass/gravel	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N
FTA-164-GP03	SS	No	YES	grass/gravel	Chrysene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Fluoranthene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Fluorene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Naphthalene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Naphthalene	0.0053	mg/kg	UJ	N
FTA-164-GP03	SS	No	YES	grass/gravel	Phenanthrene	0.35	mg/kg	U	N
FTA-164-GP03	SS	No	YES	grass/gravel	Pyrene	0.35	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Acenaphthene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Acenaphthylene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Anthracene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Benzo(a)anthracene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Benzo(a)pyrene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Benzo(b)fluoranthene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Benzo(ghi)perylene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Benzo(k)fluoranthene	0.34	mg/kg	UJ	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Chrysene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Dibenz(a,h)anthracene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Fluoranthene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Fluorene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Naphthalene	0.0052	mg/kg	UJ	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Phenanthrene	0.34	mg/kg	U	N
FTA-164-GP06	SS	No	No	grass, upgradient of asphalt	Pyrene	0.34	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Acenaphthene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Acenaphthylene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Anthracene	0.35	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
FTA-164-GP08	SS	No	No	grass next to UST	Benzo(a)anthracene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Benzo(a)pyrene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Benzo(b)fluoranthene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Benzo(ghi)perylene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Benzo(k)fluoranthene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Chrysene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Fluoranthene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Fluorene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Naphthalene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Naphthalene	0.0054	mg/kg	UJ	N
FTA-164-GP08	SS	No	No	grass next to UST	Phenanthrene	0.35	mg/kg	U	N
FTA-164-GP08	SS	No	No	grass next to UST	Pyrene	0.35	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Acenaphthene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Acenaphthylene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Anthracene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Benzo(a)anthracene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Benzo(a)pyrene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Benzo(b)fluoranthene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Benzo(ghi)perylene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Benzo(k)fluoranthene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Chrysene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Dibenz(a,h)anthracene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Fluoranthene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Fluorene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Indeno(1,2,3-cd)pyrene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Naphthalene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Naphthalene	0.0055	mg/kg	UJ	N
FTA-164-GP09	SS	No	No	grass next to UST	Phenanthrene	0.72	mg/kg	U	N
FTA-164-GP09	SS	No	No	grass next to UST	Pyrene	0.72	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Acenaphthene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Acenaphthylene	0.049	mg/kg	J	Y
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Anthracene	0.065	mg/kg	J	Y
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Benzo(a)anthracene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Benzo(a)pyrene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Benzo(b)fluoranthene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Benzo(ghi)perylene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Benzo(k)fluoranthene	0.41	mg/kg	UJ	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Chrysene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Dibenz(a,h)anthracene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Fluoranthene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Fluorene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Naphthalene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Naphthalene	0.0062	mg/kg	UJ	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Phenanthrene	0.41	mg/kg	U	N
FTA-164-GP15	SS	No	No	grass collected at terminus of drain pipe from site	Pyrene	0.41	mg/kg	U	N
PPMP-75-GP06	SS	No	YES	grass	Acenaphthene	0.42	mg/kg	U	N
PPMP-75-GP06	SS	No	YES	grass	Acenaphthylene	0.29	mg/kg	J	Y
PPMP-75-GP06	SS	No	YES	grass	Anthracene	0.15	mg/kg	J	Y
PPMP-75-GP06	SS	No	YES	grass	Benzo(a)anthracene	0.67	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Benzo(a)pyrene	1	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Benzo(b)fluoranthene	1.2	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Benzo(ghi)perylene	0.83	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Benzo(k)fluoranthene	0.95	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Chrysene	0.93	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Dibenz(a,h)anthracene	0.31	mg/kg	J	Y
PPMP-75-GP06	SS	No	YES	grass	Fluoranthene	1.7	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Fluorene	0.42	mg/kg	U	N
PPMP-75-GP06	SS	No	YES	grass	Indeno(1,2,3-cd)pyrene	0.82	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Naphthalene	0.42	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
PPMP-75-GP06	SS	No	YES	grass	Naphthalene	0.0064	mg/kg	UJ	N
PPMP-75-GP06	SS	No	YES	grass	Phenanthrene	0.46	mg/kg		Y
PPMP-75-GP06	SS	No	YES	grass	Pyrene	1.4	mg/kg		Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Acenaphthene	0.39	mg/kg	R	N
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Acenaphthylene	0.044	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Anthracene	0.39	mg/kg	R	N
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Benzo(a)anthracene	0.16	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Benzo(a)pyrene	0.23	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Benzo(b)fluoranthene	0.33	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Benzo(ghi)perylene	0.38	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Chrysene	0.22	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Dibenz(a,h)anthracene	0.07	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Fluoranthene	0.31	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Fluorene	0.39	mg/kg	R	N
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Naphthalene	0.39	mg/kg	R	N
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Naphthalene	0.005	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Phenanthrene	0.12	mg/kg	J	Y
PPMP-75-GP11	SS	No	YES	grass (within 3 feet of building)	Pyrene	0.25	mg/kg	J	Y
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Acenaphthene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Acenaphthylene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Anthracene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Benzo(a)anthracene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Benzo(a)pyrene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Benzo(b)fluoranthene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Benzo(ghi)perylene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Benzo(k)fluoranthene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Chrysene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Dibenz(a,h)anthracene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Fluoranthene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Fluorene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Naphthalene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Naphthalene	0.0061	mg/kg	UJ	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Phenanthrene	0.4	mg/kg	U	N
PPMP-75-GP21	SS	No	No	Concrete, entrance to radiator shop (recycle center)	Pyrene	0.4	mg/kg	U	N
PPMP-75-GP29	SS	No	YES	gravel and grass	Acenaphthene	0.05	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Acenaphthylene	0.071	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Anthracene	0.11	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Benzo(a)anthracene	0.53	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Benzo(a)pyrene	0.57	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Benzo(b)fluoranthene	0.76	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Benzo(ghi)perylene	0.54	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Benzo(k)fluoranthene	0.28	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Chrysene	0.6	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Dibenz(a,h)anthracene	0.12	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Fluoranthene	1.2	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Fluorene	0.055	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Indeno(1,2,3-cd)pyrene	0.46	mg/kg		Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Naphthalene	0.072	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Naphthalene	0.006	mg/kg	UJ	N
PPMP-75-GP29	SS	No	YES	gravel and grass	Phenanthrene	0.76	mg/kg	J	Y
PPMP-75-GP29	SS	No	YES	gravel and grass	Pyrene	0.9	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Acenaphthene	0.4	mg/kg	R	N
PPMP-75-GP30	SS	No	YES	gravel and grass	Acenaphthylene	0.069	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Anthracene	0.4	mg/kg	R	N
PPMP-75-GP30	SS	No	YES	gravel and grass	Benzo(a)anthracene	0.27	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Benzo(a)pyrene	0.34	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Benzo(b)fluoranthene	0.51	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Benzo(ghi)perylene	0.38	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Benzo(k)fluoranthene	0.22	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
PPMP-75-GP30	SS	No	YES	gravel and grass	Chrysene	0.37	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Dibenz(a,h)anthracene	0.1	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Fluoranthene	0.45	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Fluorene	0.4	mg/kg	R	N
PPMP-75-GP30	SS	No	YES	gravel and grass	Indeno(1,2,3-cd)pyrene	0.32	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Naphthalene	0.22	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Naphthalene	0.006	mg/kg	UJ	N
PPMP-75-GP30	SS	No	YES	gravel and grass	Phenanthrene	0.33	mg/kg	J	Y
PPMP-75-GP30	SS	No	YES	gravel and grass	Pyrene	0.4	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Acenaphthene	0.44	mg/kg	U	N
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Acenaphthylene	0.31	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Anthracene	0.17	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Benzo(a)anthracene	0.36	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Benzo(a)pyrene	0.79	mg/kg		Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Benzo(b)fluoranthene	0.72	mg/kg		Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Benzo(ghi)perylene	0.68	mg/kg		Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Benzo(k)fluoranthene	0.87	mg/kg		Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Chrysene	0.48	mg/kg		Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Fluoranthene	0.42	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Fluorene	0.44	mg/kg	U	N
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Indeno(1,2,3-cd)pyrene	0.63	mg/kg		Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Naphthalene	0.44	mg/kg	U	N
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Naphthalene	0.0066	mg/kg	UJ	N
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Phenanthrene	0.12	mg/kg	J	Y
PPMP-75-GP48	SS	No	YES	gravel (located on railroad track)	Pyrene	0.46	mg/kg		Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Acenaphthene	0.4	mg/kg	U	N
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Acenaphthylene	0.079	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Anthracene	0.049	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Benzo(a)anthracene	0.11	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Benzo(a)pyrene	0.17	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Benzo(b)fluoranthene	0.22	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Benzo(ghi)perylene	0.18	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Benzo(k)fluoranthene	0.12	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Chrysene	0.16	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Dibenz(a,h)anthracene	0.068	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Fluoranthene	0.12	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Fluorene	0.4	mg/kg	U	N
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Naphthalene	0.4	mg/kg	U	N
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Naphthalene	0.006	mg/kg	UJ	N
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Phenanthrene	0.057	mg/kg	J	Y
PPMP-75-GP49	SS	No	YES	gravel (located on railroad track)	Pyrene	0.12	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Acenaphthene	0.37	mg/kg	U	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Acenaphthylene	0.37	mg/kg	U	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Anthracene	0.37	mg/kg	U	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(a)anthracene	0.13	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(a)pyrene	0.18	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(b)fluoranthene	0.35	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(ghi)perylene	0.15	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(k)fluoranthene	0.11	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Chrysene	0.2	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Fluoranthene	0.23	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Fluorene	0.37	mg/kg	U	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Indeno(1,2,3-cd)pyrene	0.16	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Naphthalene	0.37	mg/kg	U	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Naphthalene	0.0057	mg/kg	UJ	N
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Phenanthrene	0.1	mg/kg	J	Y
PPMP-75-GP51	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Pyrene	0.18	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Acenaphthene	0.38	mg/kg	U	N
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Acenaphthylene	0.063	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Anthracene	0.045	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(a)anthracene	0.26	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(a)pyrene	0.4	mg/kg		Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(b)fluoranthene	0.75	mg/kg		Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(ghi)perylene	0.28	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Benzo(k)fluoranthene	0.24	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Chrysene	0.38	mg/kg		Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Fluoranthene	0.37	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Fluorene	0.38	mg/kg	U	N
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Indeno(1,2,3-cd)pyrene	0.29	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Naphthalene	0.38	mg/kg	U	N
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Naphthalene	0.0058	mg/kg	UJ	N
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Phenanthrene	0.094	mg/kg	J	Y
PPMP-75-GP52	SS	No	YES	grass/gravel (on railroad track, adj loading dock)	Pyrene	0.31	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Acenaphthene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Acenaphthylene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Anthracene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Benzo(a)anthracene	0.04	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Benzo(a)pyrene	0.052	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Benzo(b)fluoranthene	0.05	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Benzo(ghi)perylene	0.051	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Benzo(k)fluoranthene	0.058	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Chrysene	0.049	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Fluoranthene	0.061	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Fluorene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	J	Y
PPMP-75-GP67	SS	No	YES	gravel and grass	Naphthalene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Naphthalene	0.0059	mg/kg	UJ	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Phenanthrene	0.39	mg/kg	U	N
PPMP-75-GP67	SS	No	YES	gravel and grass	Pyrene	0.056	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Acenaphthene	0.39	mg/kg	U	N
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Acenaphthylene	0.044	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Anthracene	0.39	mg/kg	U	N
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Benzo(a)anthracene	0.2	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Benzo(a)pyrene	0.26	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Benzo(b)fluoranthene	0.36	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Benzo(ghi)perylene	0.19	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Benzo(k)fluoranthene	0.13	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Chrysene	0.21	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Fluoranthene	0.31	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Fluorene	0.39	mg/kg	U	N
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Naphthalene	0.39	mg/kg	U	N
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Naphthalene	0.0059	mg/kg	UJ	N
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Phenanthrene	0.094	mg/kg	J	Y
PPMP-75-GP69	SS	No	No	grass/pine trees, upgradient to asphalt	Pyrene	0.23	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Acenaphthene	0.41	mg/kg	U	N
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Acenaphthylene	0.41	mg/kg	U	N
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Anthracene	0.052	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Benzo(a)anthracene	0.17	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Benzo(a)pyrene	0.21	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Benzo(b)fluoranthene	0.2	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Benzo(ghi)perylene	0.16	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Benzo(k)fluoranthene	0.18	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Chrysene	0.24	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Dibenz(a,h)anthracene	0.057	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Fluoranthene	0.49	mg/kg		Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Fluorene	0.41	mg/kg	U	N
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Result	units	Valid Qual	Detect? Yes/No
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.41	mg/kg	U	N
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Naphthalene	0.0062	mg/kg	UJ	N
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Phenanthrene	0.34	mg/kg	J	Y
PPMP-75-GP70	SS	No	No	grass, upgradient to asphalt	Pyrene	0.47	mg/kg		Y
PPMP-75-GP71	SS	No	YES	grass	Acenaphthene	0.43	mg/kg	R	N
PPMP-75-GP71	SS	No	YES	grass	Acenaphthylene	0.059	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Anthracene	0.049	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Benzo(a)anthracene	0.26	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Benzo(a)pyrene	0.34	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Benzo(b)fluoranthene	0.59	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Benzo(ghi)perylene	0.38	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Benzo(k)fluoranthene	0.17	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Chrysene	0.37	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Dibenz(a,h)anthracene	0.086	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Fluoranthene	0.44	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Fluorene	0.43	mg/kg	R	N
PPMP-75-GP71	SS	No	YES	grass	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Naphthalene	0.43	mg/kg	R	N
PPMP-75-GP71	SS	No	YES	grass	Naphthalene	0.0065	mg/kg	UJ	N
PPMP-75-GP71	SS	No	YES	grass	Phenanthrene	0.18	mg/kg	J	Y
PPMP-75-GP71	SS	No	YES	grass	Pyrene	0.39	mg/kg	J	Y
PPMP-75-GP72	SS	No	YES	grass	Acenaphthene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Acenaphthylene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Anthracene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Benzo(a)anthracene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Benzo(a)pyrene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Benzo(b)fluoranthene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Benzo(ghi)perylene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Benzo(k)fluoranthene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Chrysene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Dibenz(a,h)anthracene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Fluoranthene	0.044	mg/kg	J	Y
PPMP-75-GP72	SS	No	YES	grass	Fluorene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Naphthalene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Naphthalene	0.0063	mg/kg	UJ	N
PPMP-75-GP72	SS	No	YES	grass	Phenanthrene	0.42	mg/kg	U	N
PPMP-75-GP72	SS	No	YES	grass	Pyrene	0.042	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Acenaphthene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Acenaphthylene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Anthracene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Benzo(a)anthracene	0.042	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Benzo(a)pyrene	0.057	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Benzo(b)fluoranthene	0.079	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Benzo(ghi)perylene	0.059	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Benzo(k)fluoranthene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Chrysene	0.048	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Fluoranthene	0.082	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Fluorene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Indeno(1,2,3-cd)pyrene	0.055	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Naphthalene	0.39	mg/kg	U	N
PPMP-75-GP73	SS	No	YES	grass, near building	Naphthalene	0.0059	mg/kg	UJ	N
PPMP-75-GP73	SS	No	YES	grass, near building	Phenanthrene	0.039	mg/kg	J	Y
PPMP-75-GP73	SS	No	YES	grass, near building	Pyrene	0.063	mg/kg	J	Y
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Acenaphthene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Acenaphthylene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Anthracene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Benzo(a)anthracene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Benzo(a)pyrene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Benzo(b)fluoranthene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Benzo(ghi)perylene	0.39	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Benzo(k)fluoranthene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Chrysene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Fluoranthene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Fluorene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Naphthalene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Naphthalene	0.006	mg/kg	UJ	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Phenanthrene	0.39	mg/kg	U	N
PPMP-75-GP74	SS	No	No	Grass, upgradient of asphalt	Pyrene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Acenaphthene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Acenaphthylene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Anthracene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Benzo(a)anthracene	0.041	mg/kg	J	Y
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Benzo(a)pyrene	0.047	mg/kg	J	Y
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Benzo(b)fluoranthene	0.04	mg/kg	J	Y
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Benzo(ghi)perylene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Benzo(k)fluoranthene	0.058	mg/kg	J	Y
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Chrysene	0.043	mg/kg	J	Y
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Dibenz(a,h)anthracene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Fluoranthene	0.054	mg/kg	J	Y
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Fluorene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Naphthalene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Naphthalene	0.0059	mg/kg	UJ	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Phenanthrene	0.39	mg/kg	U	N
PPMP-143-GP01	SS	No	YES	grass next to coal storage bin (no coal present)	Pyrene	0.053	mg/kg	J	Y
PPMP-143-GP03	SS	No	YES	grassy	Acenaphthene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Acenaphthylene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Anthracene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Benzo(a)anthracene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Benzo(a)pyrene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Benzo(b)fluoranthene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Benzo(ghi)perylene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Benzo(k)fluoranthene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Chrysene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Fluoranthene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Fluorene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Naphthalene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Naphthalene	0.0055	mg/kg	UJ	N
PPMP-143-GP03	SS	No	YES	grassy	Phenanthrene	0.36	mg/kg	U	N
PPMP-143-GP03	SS	No	YES	grassy	Pyrene	0.36	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Acenaphthene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Acenaphthylene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Anthracene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Benzo(a)anthracene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Benzo(a)pyrene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Benzo(b)fluoranthene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Benzo(ghi)perylene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Benzo(k)fluoranthene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Chrysene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Fluoranthene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Fluorene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Naphthalene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Naphthalene	0.0056	mg/kg	UJ	N
PPMP-143-GP05	SS	No	YES	grass	Phenanthrene	0.37	mg/kg	U	N
PPMP-143-GP05	SS	No	YES	grass	Pyrene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Acenaphthene	0.37	mg/kg	U	N

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Type	Asphalt Location	Use/ No Use	Field Comment	Analytical Parameter	Analytical Result	Analytical units	Valid Qual	Detect? Yes/No
PPMP-143-GP06	SS	No	YES	grassy	Acenaphthylene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Anthracene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Benzo(a)anthracene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Benzo(a)pyrene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Benzo(b)fluoranthene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Benzo(ghi)perylene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Benzo(k)fluoranthene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Chrysene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Dibenz(a,h)anthracene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Fluoranthene	0.038	mg/kg	J	Y
PPMP-143-GP06	SS	No	YES	grassy	Fluorene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Naphthalene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Naphthalene	0.0056	mg/kg	UJ	N
PPMP-143-GP06	SS	No	YES	grassy	Phenanthrene	0.37	mg/kg	U	N
PPMP-143-GP06	SS	No	YES	grassy	Pyrene	0.37	mg/kg	U	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Acenaphthene	0.35	mg/kg	U	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Acenaphthylene	0.059	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Anthracene	0.35	mg/kg	U	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Benzo(a)anthracene	0.057	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Benzo(a)pyrene	0.098	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Benzo(b)fluoranthene	0.099	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Benzo(ghi)perylene	0.16	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Benzo(k)fluoranthene	0.11	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Chrysene	0.086	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Fluoranthene	0.03	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Fluorene	0.35	mg/kg	U	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Indeno(1,2,3-cd)pyrene	0.095	mg/kg	J	Y
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Naphthalene	0.35	mg/kg	U	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Naphthalene	0.0054	mg/kg	UJ	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Phenanthrene	0.35	mg/kg	U	N
PPMP-143-GP07	SS	No	YES	gravel/grass next to dirt road	Pyrene	0.037	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Acenaphthene	0.35	mg/kg	U	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Acenaphthylene	0.35	mg/kg	U	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Anthracene	0.35	mg/kg	U	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(a)anthracene	0.12	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(a)pyrene	0.12	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(b)fluoranthene	0.11	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(ghi)perylene	0.059	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(k)fluoranthene	0.19	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Chrysene	0.15	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Dibenz(a,h)anthracene	0.35	mg/kg	U	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Fluoranthene	0.26	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Fluorene	0.35	mg/kg	U	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Indeno(1,2,3-cd)pyrene	0.062	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Naphthalene	0.35	mg/kg	U	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Naphthalene	0.0053	mg/kg	UJ	N
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Phenanthrene	0.09	mg/kg	J	Y
WCS-87-GP01	SS	No	YES	grass next to conc slab (former m. pool bldg)	Pyrene	0.21	mg/kg	J	Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Acenaphthene	0.36	mg/kg	U	N
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Acenaphthylene	0.73	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Anthracene	0.63	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(a)anthracene	0.59	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(a)pyrene	0.73	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(b)fluoranthene	1	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(ghi)perylene	0.92	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Benzo(k)fluoranthene	0.69	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Chrysene	0.49	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Dibenz(a,h)anthracene	0.4	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Fluoranthene	0.32	mg/kg	J	Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Fluorene	0.041	mg/kg	J	Y

Table 4-5

PAH Background Data Selection: Soil Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample		Asphalt	Use/	Field	Analytical			Valid	Detect?
Location	Type	Location	No Use	Comment	Parameter	Result	units	Qual	Yes/No
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Indeno(1,2,3-cd)pyrene	0.73	mg/kg		Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Naphthalene	0.36	mg/kg	U	N
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Naphthalene	0.0055	mg/kg	UJ	N
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Phenanthrene	0.058	mg/kg	J	Y
WCS-87-GP02	SS	No	YES	grass next to conc slab (former m. pool bldg)	Pyrene	0.34	mg/kg	J	Y

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Acenaphthene	12	mg/kg		Y	11		463.45	No	20	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Acenaphthene	5	mg/kg		Y	1.8		463.45	No	20	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Acenaphthene	4.1	mg/kg		Y	0.4		463.45	No	20	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Acenaphthene	3.3	mg/kg	J	Y	3.7		463.45	No	20	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Acenaphthene	2.9	mg/kg	J	Y	14		463.45	No	20	No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Acenaphthene	2.6	mg/kg	J	Y	3.8		463.45	No	20	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Acenaphthene	1.5	mg/kg	J	Y	3.6		463.45	No	20	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Acenaphthene	1.5	mg/kg	J	Y	3		463.45	No	20	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Acenaphthene	1.4	mg/kg	J	Y	3.9		463.45	No	20	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Acenaphthene	1.2	mg/kg	J	Y	1.8		463.45	No	20	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Acenaphthene	0.96	mg/kg	J	Y	1.8		463.45	No	20	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Acenaphthene	0.89	mg/kg	J	Y	4.7		463.45	No	20	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Acenaphthene	0.66	mg/kg	J	Y	3.6		463.45	No	20	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Acenaphthene	0.55	mg/kg	J	Y	3.5		463.45	No	20	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Acenaphthene	0.53	mg/kg	J	Y	1		463.45	No	20	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Acenaphthene	0.44	mg/kg	J	Y	0.96		463.45	No	20	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Acenaphthene	0.36	mg/kg	J	Y	1.8		463.45	No	20	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Acenaphthene	0.28	mg/kg	J	Y	0.35		463.45	No	20	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Acenaphthene	0.26	mg/kg	J	Y	0.35		463.45	No	20	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Acenaphthene	0.21	mg/kg	J	Y	1.9		463.45	No	20	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Acenaphthene	0.2	mg/kg	J	Y	1.4		463.45	No	20	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Acenaphthene	0.15	mg/kg	J	Y	0.79		463.45	No	20	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Acenaphthene	0.14	mg/kg	J	Y	0.36		463.45	No	20	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Acenaphthene	0.12	mg/kg	J	Y	0.4		463.45	No	20	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Acenaphthene	0.098	mg/kg	J	Y	0.39		463.45	No	20	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Acenaphthene	0.077	mg/kg	J	Y	0.36		463.45	No	20	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Acenaphthene	0.062	mg/kg	J	Y	0.41		463.45	No	20	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Acenaphthene	0.055	mg/kg	J	Y	0.37		463.45	No	20	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Acenaphthene	0.049	mg/kg	J	Y	0.42		463.45	No	20	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Acenaphthene	8.9	mg/kg	U	N	8.9	4.45	463.45	No	20	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Acenaphthene	3.8	mg/kg	U	N	3.8	1.9	463.45	No	20	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Acenaphthene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	20	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Acenaphthene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	20	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Acenaphthene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	20	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Acenaphthene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	20	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Acenaphthene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	20	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Acenaphthene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	20	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Acenaphthene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	20	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Acenaphthene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	20	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Acenaphthene	3.5	mg/kg	U	N	3.5	1.75	463.45	No	20	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Acenaphthene	2.4	mg/kg	U	N	2.4	1.2	463.45	No	20	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Acenaphthene	1.9	mg/kg	U	N	1.9	0.95	463.45	No	20	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Acenaphthene	1.9	mg/kg	U	N	1.9	0.95	463.45	No	20	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Acenaphthene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	20	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Acenaphthene	1.7	mg/kg	U	N	1.7	0.85	463.45	No	20	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Acenaphthene	1.6	mg/kg	UJ	N	1.6	0.8	463.45	No	20	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Acenaphthene	1.5	mg/kg	R	N	1.5	0.75	463.45	No	20	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Acenaphthene	0.97	mg/kg	R	N	0.97	0.485	463.45	No	20	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Acenaphthene	0.93	mg/kg	R	N	0.93	0.465	463.45	No	20	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Acenaphthene	0.8	mg/kg	U	N	0.8	0.4	463.45	No	20	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Acenaphthene	0.74	mg/kg	U	N	0.74	0.37	463.45	No	20	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Acenaphthene	0.73	mg/kg	U	N	0.73	0.365	463.45	No	20	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Acenaphthene	0.71	mg/kg	U	N	0.71	0.355	463.45	No	20	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Acenaphthene	0.71	mg/kg	U	N	0.71	0.355	463.45	No	20	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Acenaphthene	0.51	mg/kg	U	N	0.51	0.255	463.45	No	20	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Acenaphthene	0.5	mg/kg	U	N	0.5	0.25	463.45	No	20	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Acenaphthene	0.45	mg/kg	U	N	0.45	0.225	463.45	No	20	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Acenaphthene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	20	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Acenaphthene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	20	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Acenaphthene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	20	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Acenaphthene	0.44	mg/kg	UJ	N	0.44	0.22	463.45	No	20	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Acenaphthene	0.44	mg/kg	UJ	N	0.44	0.22	463.45	No	20	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Acenaphthene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	20	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Acenaphthene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	20	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Acenaphthene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	20	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Acenaphthene	0.43	mg/kg	UJ	N	0.43	0.215	463.45	No	20	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Acenaphthene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	20	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Acenaphthene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	20	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Acenaphthene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	20	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Acenaphthene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	20	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Acenaphthene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	20	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Acenaphthene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	20	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Acenaphthene	0.41	mg/kg	UJ	N	0.41	0.205	463.45	No	20	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Acenaphthene	0.4	mg/kg	R	N	0.4	0.2	463.45	No	20	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
F[illegible]-GP17	SS	CD0037	18-Nov-99	YES	Acenaphthene	0.[illegible]	mg/kg	U	N	0.39	0.195	463.45	No	20	[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Acenaphthene	0.39	mg/kg	UJ	N	0.39	0.195	463.45	No	20	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Acenaphthene	0.39	mg/kg	UJ	N	0.39	0.195	463.45	No	20	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Acenaphthene	0.39	mg/kg	UJ	N	0.39	0.195	463.45	No	20	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Acenaphthene	0.38	mg/kg	UJ	N	0.38	0.19	463.45	No	20	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Acenaphthene	0.38	mg/kg	R	N	0.38	0.19	463.45	No	20	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Acenaphthene	0.38	mg/kg	UJ	N	0.38	0.19	463.45	No	20	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Acenaphthene	0.38	mg/kg	UJ	N	0.38	0.19	463.45	No	20	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Acenaphthene	0.37	mg/kg	UJ	N	0.37	0.185	463.45	No	20	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Acenaphthene	0.37	mg/kg	UJ	N	0.37	0.185	463.45	No	20	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Acenaphthene	0.35	mg/kg	UJ	N	0.35	0.175	463.45	No	20	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Acenaphthene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	20	No

Acenaphthene	Total Number of Results:	**166**	**No. >MDL:**	29	17%	**Range**	12.000	0.049	**Mean**	1.434	Overall
			No. <MDL:	137	83%	(1/2 DL):	4.450	0.170	(1/2 DL):	0.431	Mean: **0.607**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Acenaphthylene	7.3	mg/kg		Y	1.8		463.45	No	682	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Acenaphthylene	6.6	mg/kg		Y	4		463.45	No	682	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Acenaphthylene	3.7	mg/kg		Y	3.7		463.45	No	682	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Acenaphthylene	3.7	mg/kg		Y	1.8		463.45	No	682	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Acenaphthylene	2.4	mg/kg	J	Y	3.5		463.45	No	682	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Acenaphthylene	2.3	mg/kg	J	Y	3.9		463.45	No	682	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Acenaphthylene	2.2	mg/kg		Y	1.8		463.45	No	682	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Acenaphthylene	2	mg/kg	J	Y	3.5		463.45	No	682	No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Acenaphthylene	1.8	mg/kg	J	Y	3.8		463.45	No	682	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Acenaphthylene	1.8	mg/kg	J	Y	14		463.45	No	682	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Acenaphthylene	1.7	mg/kg		Y	0.71		463.45	No	682	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Acenaphthylene	1.6	mg/kg	J	Y	11		463.45	No	682	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Acenaphthylene	1.5	mg/kg		Y	0.35		463.45	No	682	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Acenaphthylene	1.5	mg/kg	J	Y	1.6		463.45	No	682	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Acenaphthylene	1.4	mg/kg	J	Y	1.8		463.45	No	682	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Acenaphthylene	1.3	mg/kg		Y	0.39		463.45	No	682	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Acenaphthylene	1.3	mg/kg	J	Y	3.8		463.45	No	682	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Acenaphthylene	1.2	mg/kg	J	Y	3.7		463.45	No	682	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Acenaphthylene	1.2	mg/kg	J	Y	1.8		463.45	No	682	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Acenaphthylene	1.1	mg/kg	J	Y	3.6		463.45	No	682	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Acenaphthylene	1.1	mg/kg		Y	0.39		463.45	No	682	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Acenaphthylene	0.88	mg/kg	J	Y	0.97		463.45	No	682	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Acenaphthylene	0.77	mg/kg	J	Y	3.6		463.45	No	682	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Acenaphthylene	0.75	mg/kg	J	Y	1.9		463.45	No	682	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Acenaphthylene	0.73	mg/kg	J	Y	3.6		463.45	No	682	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Acenaphthylene	0.61	mg/kg		Y	0.36		463.45	No	682	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Acenaphthylene	0.59	mg/kg	J	Y	1.8		463.45	No	682	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Acenaphthylene	0.58	mg/kg	J	Y	4.7		463.45	No	682	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Acenaphthylene	0.58	mg/kg	J	Y	1.5		463.45	No	682	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Acenaphthylene	0.55	mg/kg	J	Y	3		463.45	No	682	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Acenaphthylene	0.53	mg/kg		Y	0.35		463.45	No	682	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Acenaphthylene	0.5	mg/kg	J	Y	1.8		463.45	No	682	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Acenaphthylene	0.5	mg/kg	J	Y	3.6		463.45	No	682	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Acenaphthylene	0.5	mg/kg	J	Y	0.71		463.45	No	682	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Acenaphthylene	0.47	mg/kg	J	Y	1.9		463.45	No	682	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Acenaphthylene	0.43	mg/kg		Y	0.36		463.45	No	682	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Acenaphthylene	0.38	mg/kg	J	Y	0.96		463.45	No	682	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Acenaphthylene	0.35	mg/kg	J	Y	1.7		463.45	No	682	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Acenaphthylene	0.34	mg/kg	J	Y	0.37		463.45	No	682	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Acenaphthylene	0.31	mg/kg	J	Y	1.4		463.45	No	682	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Acenaphthylene	0.31	mg/kg	J	Y	1.8		463.45	No	682	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Acenaphthylene	0.27	mg/kg	J	Y	0.36		463.45	No	682	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Acenaphthylene	0.27	mg/kg	J	Y	1.8		463.45	No	682	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Acenaphthylene	0.27	mg/kg	J	Y	2.4		463.45	No	682	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Acenaphthylene	0.25	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Acenaphthylene	0.24	mg/kg	J	Y	0.35		463.45	No	682	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Acenaphthylene	0.23	mg/kg	J	Y	0.38		463.45	No	682	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Acenaphthylene	0.22	mg/kg	J	Y	0.37		463.45	No	682	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Acenaphthylene	0.22	mg/kg	J	Y	0.43		463.45	No	682	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Acenaphthylene	0.19	mg/kg	J	Y	0.41		463.45	No	682	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Acenaphthylene	0.18	mg/kg	J	Y	0.44		463.45	No	682	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Acenaphthylene	0.18	mg/kg	J	Y	0.79		463.45	No	682	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Acenaphthylene	0.17	mg/kg	J	Y	0.37		463.45	No	682	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Acenaphthylene	0.17	mg/kg	J	Y	0.51		463.45	No	682	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Acenaphthylene	0.17	mg/kg	J	Y	0.5		463.45	No	682	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Acenaphthylene	0.16	mg/kg	J	Y	0.43		463.45	No	682	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Acenaphthylene	0.16	mg/kg	J	Y	0.8		463.45	No	682	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Acenaphthylene	0.15	mg/kg	J	Y	0.37		463.45	No	682	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.41		463.45	No	682	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.45		463.45	No	682	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Acenaphthylene	0.12	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.36		463.45	No	682	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.43		463.45	No	682	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.4		463.45	No	682	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Acenaphthylene	0.1	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Acenaphthylene	0.094	mg/kg	J	Y	0.38		463.45	No	682	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Acenaphthylene	0.087	mg/kg	J	Y	0.37		463.45	No	682	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Acenaphthylene	0.086	mg/kg	J	Y	0.37		463.45	No	682	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Acenaphthylene	0.085	mg/kg	J	Y	0.44		463.45	No	682	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Acenaphthylene	0.083	mg/kg	J	Y	0.36		463.45	No	682	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Acenaphthylene	0.083	mg/kg	J	Y	0.38		463.45	No	682	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Acenaphthylene	0.082	mg/kg	J	Y	0.38		463.45	No	682	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Acenaphthylene	0.079	mg/kg	J	Y	0.41		463.45	No	682	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Acenaphthylene	0.07	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Acenaphthylene	0.065	mg/kg	J	Y	0.39		463.45	No	682	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Acenaphthylene	0.062	mg/kg	J	Y	0.42		463.45	No	682	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Acenaphthylene	0.057	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Acenaphthylene	0.055	mg/kg	J	Y	0.37		463.45	No	682	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Acenaphthylene	0.054	mg/kg	J	Y	0.36		463.45	No	682	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Acenaphthylene	0.045	mg/kg	J	Y	0.44		463.45	No	682	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Acenaphthylene	0.042	mg/kg	J	Y	0.39		463.45	No	682	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Acenaphthylene	0.042	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Acenaphthylene	0.04	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Acenaphthylene	0.04	mg/kg	J	Y	0.37		463.45	No	682	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Acenaphthylene	8.9	mg/kg	U	N	8.9	4.45	463.45	No	682	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Acenaphthylene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	682	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Acenaphthylene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	682	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Acenaphthylene	3.7	mg/kg	U	N	3.7	1.85	463.45	No	682	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	682	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	682	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Acenaphthylene	1.9	mg/kg	U	N	1.9	0.95	463.45	No	682	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	682	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	682	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	682	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Acenaphthylene	1.8	mg/kg	U	N	1.8	0.9	463.45	No	682	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Acenaphthylene	1	mg/kg	U	N	1	0.5	463.45	No	682	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Acenaphthylene	0.93	mg/kg	R	N	0.93	0.465	463.45	No	682	No
[illegible]95-GP07	SS	KN0015	1-Feb-99	YES	Acenaphthylene	[illegible]	mg/kg	U	N	0.74	0.37	463.45	No	682	

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Acenaphthylene	0.73	mg/kg	U	N	0.73	0.365	463.45	No	682	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	682	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	682	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Acenaphthylene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	682	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	682	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	682	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	682	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	682	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	682	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	682	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	682	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Acenaphthylene	0.41	mg/kg	U	N	0.41	0.205	463.45	No	682	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Acenaphthylene	0.4	mg/kg	R	N	0.4	0.2	463.45	No	682	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Acenaphthylene	0.39	mg/kg	UJ	N	0.39	0.195	463.45	No	682	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Acenaphthylene	0.39	mg/kg	UJ	N	0.39	0.195	463.45	No	682	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Acenaphthylene	0.38	mg/kg	UJ	N	0.38	0.19	463.45	No	682	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Acenaphthylene	0.37	mg/kg	UJ	N	0.37	0.185	463.45	No	682	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	682	No

Acenaphthylene Total Number of Results: **166**

No. >MDL:	85	51%	**Range**	7.300	0.040	**Mean**	0.765	Overall	
No. <MDL:	81	49%	(1/2 DL):	4.450	0.170	(1/2 DL):	0.400	Mean:	0.587

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Anthracene	17	mg/kg		Y	4		2,325.50	No	0.1	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Anthracene	15	mg/kg		Y	1.8		2,325.50	No	0.1	YES
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Anthracene	15	mg/kg		Y	14		2,325.50	No	0.1	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Anthracene	13	mg/kg		Y	11		2,325.50	No	0.1	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Anthracene	9.3	mg/kg		Y	3.7		2,325.50	No	0.1	YES
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Anthracene	6.5	mg/kg	J	Y	3.8		2,325.50	No	0.1	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Anthracene	5.6	mg/kg		Y	3.9		2,325.50	No	0.1	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Anthracene	5.4	mg/kg		Y	4.7		2,325.50	No	0.1	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Anthracene	5	mg/kg		Y	3.6		2,325.50	No	0.1	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Anthracene	4.8	mg/kg		Y	1.8		2,325.50	No	0.1	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Anthracene	4.3	mg/kg		Y	3.8		2,325.50	No	0.1	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Anthracene	3.7	mg/kg		Y	3.5		2,325.50	No	0.1	YES
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Anthracene	3.3	mg/kg		Y	1.8		2,325.50	No	0.1	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Anthracene	2.9	mg/kg		Y	1.8		2,325.50	No	0.1	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Anthracene	2.8	mg/kg	J	Y	3		2,325.50	No	0.1	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Anthracene	2.5	mg/kg	J	Y	3.6		2,325.50	No	0.1	YES
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Anthracene	1.5	mg/kg	J	Y	3.6		2,325.50	No	0.1	YES
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Anthracene	1.5	mg/kg		Y	0.71		2,325.50	No	0.1	YES
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Anthracene	1.5	mg/kg	J	Y	1.8		2,325.50	No	0.1	YES
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Anthracene	1.4	mg/kg		Y	0.35		2,325.50	No	0.1	YES
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Anthracene	1.4	mg/kg	J	Y	3.5		2,325.50	No	0.1	YES
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Anthracene	1.2	mg/kg		Y	1		2,325.50	No	0.1	YES
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Anthracene	1.1	mg/kg	J	Y	3.7		2,325.50	No	0.1	YES
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Anthracene	1	mg/kg		Y	0.36		2,325.50	No	0.1	YES
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Anthracene	0.89	mg/kg		Y	0.39		2,325.50	No	0.1	YES
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Anthracene	0.78	mg/kg	J	Y	1.9		2,325.50	No	0.1	YES
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Anthracene	0.75	mg/kg	J	Y	1.9		2,325.50	No	0.1	YES
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Anthracene	0.75	mg/kg	J	Y	1.4		2,325.50	No	0.1	YES
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Anthracene	0.74	mg/kg	J	Y	1.8		2,325.50	No	0.1	YES
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Anthracene	0.65	mg/kg	J	Y	2.4		2,325.50	No	0.1	YES
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Anthracene	0.64	mg/kg		Y	0.39		2,325.50	No	0.1	YES
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Anthracene	0.62	mg/kg		Y	0.35		2,325.50	No	0.1	YES
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Anthracene	0.59	mg/kg	J	Y	0.96		2,325.50	No	0.1	YES
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Anthracene	0.49	mg/kg	J	Y	1.8		2,325.50	No	0.1	YES
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Anthracene	0.46	mg/kg	J	Y	1.8		2,325.50	No	0.1	YES
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Anthracene	0.46	mg/kg	J	Y	0.71		2,325.50	No	0.1	YES
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Anthracene	0.41	mg/kg	J	Y	3.6		2,325.50	No	0.1	YES
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Anthracene	0.39	mg/kg	J	Y	0.41		2,325.50	No	0.1	YES
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Anthracene	0.38	mg/kg	J	Y	1.8		2,325.50	No	0.1	YES
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Anthracene	0.37	mg/kg	J	Y	1.6		2,325.50	No	0.1	YES
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Anthracene	0.35	mg/kg		Y	0.35		2,325.50	No	0.1	YES
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Anthracene	0.34	mg/kg	J	Y	0.79		2,325.50	No	0.1	YES
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Anthracene	0.33	mg/kg	J	Y	0.37		2,325.50	No	0.1	YES
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Anthracene	0.31	mg/kg	J	Y	1.7		2,325.50	No	0.1	YES
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Anthracene	0.31	mg/kg	J	Y	0.97		2,325.50	No	0.1	YES
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Anthracene	0.29	mg/kg	J	Y	0.36		2,325.50	No	0.1	YES
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Anthracene	0.27	mg/kg	J	Y	0.35		2,325.50	No	0.1	YES
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Anthracene	0.24	mg/kg	J	Y	0.35		2,325.50	No	0.1	YES
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Anthracene	0.24	mg/kg	J	Y	0.37		2,325.50	No	0.1	YES
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Anthracene	0.24	mg/kg	J	Y	0.43		2,325.50	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Anthracene	0.24	mg/kg	J	Y	0.44		2,325.50	No	0.1	YES
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Anthracene	0.24	mg/kg	J	Y	0.8		2,325.50	No	0.1	YES
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Anthracene	0.22	mg/kg	J	Y	0.51		2,325.50	No	0.1	YES
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Anthracene	0.21	mg/kg	J	Y	0.35		2,325.50	No	0.1	YES
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Anthracene	0.19	mg/kg	J	Y	0.36		2,325.50	No	0.1	YES
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Anthracene	0.18	mg/kg	J	Y	0.36		2,325.50	No	0.1	YES
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Anthracene	0.18	mg/kg	J	Y	0.5		2,325.50	No	0.1	YES
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Anthracene	0.17	mg/kg	J	Y	0.37		2,325.50	No	0.1	YES
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Anthracene	0.16	mg/kg	J	Y	0.41		2,325.50	No	0.1	YES
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Anthracene	0.15	mg/kg	J	Y	0.43		2,325.50	No	0.1	YES
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Anthracene	0.15	mg/kg	J	Y	0.35		2,325.50	No	0.1	YES
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Anthracene	0.13	mg/kg	J	Y	0.4		2,325.50	No	0.1	YES
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Anthracene	0.12	mg/kg	J	Y	0.43		2,325.50	No	0.1	YES
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Anthracene	0.11	mg/kg	J	Y	0.45		2,325.50	No	0.1	YES
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Anthracene	0.1	mg/kg	J	Y	0.39		2,325.50	No	0.1	YES
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Anthracene	0.099	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Anthracene	0.094	mg/kg	J	Y	0.4		2,325.50	No	0.1	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Anthracene	0.092	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Anthracene	0.083	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Anthracene	0.08	mg/kg	J	Y	0.41		2,325.50	No	0.1	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Anthracene	0.079	mg/kg	J	Y	0.36		2,325.50	No	0.1	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Anthracene	0.078	mg/kg	J	Y	0.42		2,325.50	No	0.1	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Anthracene	0.076	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Anthracene	0.073	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Anthracene	0.073	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Anthracene	0.069	mg/kg	J	Y	0.36		2,325.50	No	0.1	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Anthracene	0.065	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Anthracene	0.063	mg/kg	J	Y	0.44		2,325.50	No	0.1	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Anthracene	0.059	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Anthracene	0.058	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Anthracene	0.057	mg/kg	J	Y	0.41		2,325.50	No	0.1	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Anthracene	0.057	mg/kg	J	Y	0.35		2,325.50	No	0.1	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Anthracene	0.056	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Anthracene	0.055	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Anthracene	0.047	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Anthracene	0.046	mg/kg	J	Y	0.36		2,325.50	No	0.1	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Anthracene	0.042	mg/kg	J	Y	0.35		2,325.50	No	0.1	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Anthracene	0.04	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Anthracene	0.039	mg/kg	J	Y	0.35		2,325.50	No	0.1	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Anthracene	0.039	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Anthracene	0.035	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Anthracene	0.035	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Anthracene	8.9	mg/kg	U	N	8.9	4.45	2,325.50	No	0.1	YES
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Anthracene	3.7	mg/kg	U	N	3.7	1.85	2,325.50	No	0.1	YES
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Anthracene	3.7	mg/kg	U	N	3.7	1.85	2,325.50	No	0.1	YES
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Anthracene	3.7	mg/kg	U	N	3.7	1.85	2,325.50	No	0.1	YES
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Anthracene	3.6	mg/kg	U	N	3.6	1.8	2,325.50	No	0.1	YES
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Anthracene	3.6	mg/kg	U	N	3.6	1.8	2,325.50	No	0.1	YES
FT[illegible]6-GP07	SS	CP0011	6-Oct-98	YES	Anthracene	1[illegible]	mg/kg	U	N	1.9	0.95	2,325.50	No	0.1	Y[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Anthracene	1.8	mg/kg	U	N	1.8	0.9	2,325.50	No	0.1	YES
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Anthracene	1.8	mg/kg	U	N	1.8	0.9	2,325.50	No	0.1	YES
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Anthracene	1.8	mg/kg	U	N	1.8	0.9	2,325.50	No	0.1	YES
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Anthracene	1.8	mg/kg	U	N	1.8	0.9	2,325.50	No	0.1	YES
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Anthracene	1.5	mg/kg	R	N	1.5	0.75	2,325.50	No	0.1	YES
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Anthracene	0.93	mg/kg	R	N	0.93	0.465	2,325.50	No	0.1	YES
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Anthracene	0.74	mg/kg	U	N	0.74	0.37	2,325.50	No	0.1	YES
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Anthracene	0.73	mg/kg	U	N	0.73	0.365	2,325.50	No	0.1	YES
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Anthracene	0.44	mg/kg	U	N	0.44	0.22	2,325.50	No	0.1	YES
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Anthracene	0.44	mg/kg	U	N	0.44	0.22	2,325.50	No	0.1	YES
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Anthracene	0.44	mg/kg	U	N	0.44	0.22	2,325.50	No	0.1	YES
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Anthracene	0.43	mg/kg	U	N	0.43	0.215	2,325.50	No	0.1	YES
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	YES
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	YES
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	YES
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Anthracene	0.41	mg/kg	U	N	0.41	0.205	2,325.50	No	0.1	YES
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Anthracene	0.41	mg/kg	U	N	0.41	0.205	2,325.50	No	0.1	YES
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Anthracene	0.41	mg/kg	U	N	0.41	0.205	2,325.50	No	0.1	YES
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Anthracene	0.41	mg/kg	U	N	0.41	0.205	2,325.50	No	0.1	YES
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	YES
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	YES
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Anthracene	0.4	mg/kg	R	N	0.4	0.2	2,325.50	No	0.1	YES
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	YES
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Anthracene	0.39	mg/kg	UJ	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Anthracene	0.39	mg/kg	UJ	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	YES
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Anthracene	0.38	mg/kg	UJ	N	0.38	0.19	2,325.50	No	0.1	YES
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Anthracene	0.38	mg/kg	UJ	N	0.38	0.19	2,325.50	No	0.1	YES
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	YES
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Anthracene	0.37	mg/kg	UJ	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	YES
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	YES
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	YES
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	YES
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	YES
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	YES
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	YES
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Anthracene	0.34	mg/kg	U	N	0.34	0.17	2,325.50	No	0.1	YES

Anthracene Total Number of Results: **166**

No. >MDL:	92	55%	**Range**	17.000	0.035	**Mean**	1.557	Overall	
No. <MDL:	74	45%	(1/2 DL):	4.450	0.170	(1/2 DL):	0.424	Mean:	1.052

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Benzo(a)anthracene	20	mg/kg	J	Y	3.8		0.85	YES	5.21	YES
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Benzo(a)anthracene	19	mg/kg		Y	14		0.85	YES	5.21	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Benzo(a)anthracene	18	mg/kg		Y	4		0.85	YES	5.21	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Benzo(a)anthracene	16	mg/kg		Y	1.8		0.85	YES	5.21	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Benzo(a)anthracene	15	mg/kg		Y	11		0.85	YES	5.21	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Benzo(a)anthracene	11	mg/kg		Y	3.7		0.85	YES	5.21	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Benzo(a)anthracene	11	mg/kg		Y	3.8		0.85	YES	5.21	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Benzo(a)anthracene	10	mg/kg		Y	3.5		0.85	YES	5.21	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Benzo(a)anthracene	9.2	mg/kg		Y	4.7		0.85	YES	5.21	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Benzo(a)anthracene	6.5	mg/kg		Y	3.9		0.85	YES	5.21	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Benzo(a)anthracene	6.2	mg/kg		Y	1.8		0.85	YES	5.21	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Benzo(a)anthracene	6	mg/kg		Y	3		0.85	YES	5.21	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Benzo(a)anthracene	6	mg/kg		Y	1.8		0.85	YES	5.21	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Benzo(a)anthracene	5.9	mg/kg		Y	3.6		0.85	YES	5.21	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Benzo(a)anthracene	4.8	mg/kg		Y	3.6		0.85	YES	5.21	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Benzo(a)anthracene	4.3	mg/kg		Y	1.8		0.85	YES	5.21	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Benzo(a)anthracene	4.1	mg/kg		Y	1.6		0.85	YES	5.21	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Benzo(a)anthracene	4	mg/kg	J	Y	0.97		0.85	YES	5.21	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Benzo(a)anthracene	3.1	mg/kg		Y	1.4		0.85	YES	5.21	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Benzo(a)anthracene	2.8	mg/kg		Y	2.4		0.85	YES	5.21	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Benzo(a)anthracene	2.6	mg/kg	J	Y	3.6		0.85	YES	5.21	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Benzo(a)anthracene	2.4	mg/kg	J	Y	0.96		0.85	YES	5.21	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Benzo(a)anthracene	2.1	mg/kg		Y	1.8		0.85	YES	5.21	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Benzo(a)anthracene	2	mg/kg		Y	0.71		0.85	YES	5.21	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Benzo(a)anthracene	2	mg/kg		Y	1		0.85	YES	5.21	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Benzo(a)anthracene	1.7	mg/kg		Y	0.36		0.85	YES	5.21	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Benzo(a)anthracene	1.6	mg/kg		Y	0.37		0.85	YES	5.21	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Benzo(a)anthracene	1.6	mg/kg	J	Y	3.7		0.85	YES	5.21	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Benzo(a)anthracene	1.5	mg/kg		Y	0.35		0.85	YES	5.21	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Benzo(a)anthracene	1.4	mg/kg		Y	0.39		0.85	YES	5.21	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Benzo(a)anthracene	1.3	mg/kg	J	Y	1.9		0.85	YES	5.21	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Benzo(a)anthracene	1.3	mg/kg	J	Y	3.6		0.85	YES	5.21	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Benzo(a)anthracene	1.3	mg/kg		Y	0.8		0.85	YES	5.21	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Benzo(a)anthracene	1.3	mg/kg		Y	0.79		0.85	YES	5.21	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Benzo(a)anthracene	1.1	mg/kg		Y	0.35		0.85	YES	5.21	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Benzo(a)anthracene	1.1	mg/kg	J	Y	1.5		0.85	YES	5.21	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Benzo(a)anthracene	1.1	mg/kg		Y	0.45		0.85	YES	5.21	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Benzo(a)anthracene	0.99	mg/kg	J	Y	1.9		0.85	YES	5.21	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Benzo(a)anthracene	0.98	mg/kg	J	Y	3.5		0.85	YES	5.21	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Benzo(a)anthracene	0.97	mg/kg		Y	0.41		0.85	YES	5.21	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Benzo(a)anthracene	0.9	mg/kg		Y	0.39		0.85	YES	5.21	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Benzo(a)anthracene	0.85	mg/kg		Y	0.36		0.85	YES	5.21	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Benzo(a)anthracene	0.82	mg/kg	J	Y	1.8		0.85	No	5.21	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Benzo(a)anthracene	0.73	mg/kg		Y	0.36		0.85	No	5.21	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Benzo(a)anthracene	0.71	mg/kg	J	Y	0.37		0.85	No	5.21	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Benzo(a)anthracene	0.71	mg/kg		Y	0.39		0.85	No	5.21	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Benzo(a)anthracene	0.71	mg/kg	J	Y	1.8		0.85	No	5.21	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Benzo(a)anthracene	0.67	mg/kg	J	Y	1.7		0.85	No	5.21	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Benzo(a)anthracene	0.67	mg/kg	J	Y	1.8		0.85	No	5.21	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Benzo(a)anthracene	0.65	mg/kg	J	Y	1.8		0.85	No	5.21	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Benzo(a)anthracene	0.58	mg/kg		Y	0.35		0.85	No	5.21	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Benzo(a)anthracene	0.56	mg/kg		Y	0.41		0.85	No	5.21	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Benzo(a)anthracene	0.56	mg/kg		Y	0.37		0.85	No	5.21	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Benzo(a)anthracene	0.52	mg/kg		Y	0.4		0.85	No	5.21	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Benzo(a)anthracene	0.5	mg/kg	J	Y	0.38		0.85	No	5.21	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Benzo(a)anthracene	0.44	mg/kg		Y	0.42		0.85	No	5.21	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Benzo(a)anthracene	0.44	mg/kg		Y	0.43		0.85	No	5.21	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Benzo(a)anthracene	0.43	mg/kg	J	Y	0.51		0.85	No	5.21	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Benzo(a)anthracene	0.41	mg/kg		Y	0.37		0.85	No	5.21	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Benzo(a)anthracene	0.41	mg/kg	J	Y	0.5		0.85	No	5.21	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Benzo(a)anthracene	0.4	mg/kg	J	Y	0.44		0.85	No	5.21	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Benzo(a)anthracene	0.37	mg/kg	J	Y	0.42		0.85	No	5.21	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Benzo(a)anthracene	0.33	mg/kg	J	Y	0.43		0.85	No	5.21	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Benzo(a)anthracene	0.33	mg/kg	J	Y	0.41		0.85	No	5.21	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Benzo(a)anthracene	0.32	mg/kg	J	Y	0.44		0.85	No	5.21	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Benzo(a)anthracene	0.31	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Benzo(a)anthracene	0.28	mg/kg	J	Y	0.39		0.85	No	5.21	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Benzo(a)anthracene	0.27	mg/kg	J	Y	0.35		0.85	No	5.21	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Benzo(a)anthracene	0.26	mg/kg	J	Y	0.93		0.85	No	5.21	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Benzo(a)anthracene	0.25	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Benzo(a)anthracene	0.24	mg/kg	J	Y	0.71		0.85	No	5.21	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Benzo(a)anthracene	0.24	mg/kg	J	Y	0.4		0.85	No	5.21	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Benzo(a)anthracene	0.22	mg/kg	J	Y	0.43		0.85	No	5.21	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Benzo(a)anthracene	0.21	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Benzo(a)anthracene	0.2	mg/kg	J	Y	1.8		0.85	No	5.21	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Benzo(a)anthracene	0.2	mg/kg	J	Y	0.37		0.85	No	5.21	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Benzo(a)anthracene	0.2	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	0.36		0.85	No	5.21	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Benzo(a)anthracene	0.18	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.38		0.85	No	5.21	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.41		0.85	No	5.21	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Benzo(a)anthracene	0.16	mg/kg	J	Y	0.44		0.85	No	5.21	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Benzo(a)anthracene	0.15	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Benzo(a)anthracene	0.15	mg/kg	J	Y	0.36		0.85	No	5.21	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.39		0.85	No	5.21	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Benzo(a)anthracene	0.094	mg/kg	J	Y	0.35		0.85	No	5.21	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Benzo(a)anthracene	0.092	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Benzo(a)anthracene	0.089	mg/kg	J	Y	0.39		0.85	No	5.21	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Benzo(a)anthracene	0.086	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Benzo(a)anthracene	0.083	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Benzo(a)anthracene	0.077	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Benzo(a)anthracene	0.077	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Benzo(a)anthracene	0.071	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Benzo(a)anthracene	0.07	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Benzo(a)anthracene	0.068	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Benzo(a)anthracene	0.067	mg/kg	J	Y	0.41		0.85	No	5.21	N

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Benzo(a)anthracene	0.064	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Benzo(a)anthracene	0.062	mg/kg	J	Y	0.38		0.85	No	5.21	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Benzo(a)anthracene	0.061	mg/kg	J	Y	0.43		0.85	No	5.21	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Benzo(a)anthracene	0.056	mg/kg	J	Y	0.34		0.85	No	5.21	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Benzo(a)anthracene	0.055	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Benzo(a)anthracene	0.049	mg/kg	J	Y	0.39		0.85	No	5.21	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Benzo(a)anthracene	0.042	mg/kg	J	Y	0.35		0.85	No	5.21	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Benzo(a)anthracene	0.041	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Benzo(a)anthracene	0.039	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Benzo(a)anthracene	0.038	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Benzo(a)anthracene	0.033	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Benzo(a)anthracene	8.9	mg/kg	U	N	8.9	4.45	0.85	**YES**	5.21	**YES**
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Benzo(a)anthracene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	5.21	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Benzo(a)anthracene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	5.21	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Benzo(a)anthracene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	5.21	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Benzo(a)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.85	**YES**	5.21	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Benzo(a)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.85	**YES**	5.21	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Benzo(a)anthracene	1.9	mg/kg	U	N	1.9	0.95	0.85	**YES**	5.21	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Benzo(a)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	5.21	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Benzo(a)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	5.21	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Benzo(a)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	5.21	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Benzo(a)anthracene	0.74	mg/kg	U	N	0.74	0.37	0.85	No	5.21	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Benzo(a)anthracene	0.73	mg/kg	U	N	0.73	0.365	0.85	No	5.21	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	5.21	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	5.21	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	5.21	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	5.21	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	5.21	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	5.21	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Benzo(a)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	5.21	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Benzo(a)anthracene	0.4	mg/kg	R	N	0.4	0.2	0.85	No	5.21	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Benzo(a)anthracene	0.39	mg/kg	UJ	N	0.39	0.195	0.85	No	5.21	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	5.21	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	5.21	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	5.21	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	5.21	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	5.21	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Benzo(a)anthracene	0.38	mg/kg	UJ	N	0.38	0.19	0.85	No	5.21	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Benzo(a)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	5.21	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Benzo(a)anthracene	0.37	mg/kg	UJ	N	0.37	0.185	0.85	No	5.21	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	5.21	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	5.21	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	5.21	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No

Benzo(a)anthracene Total Number of Results: **166**

No. >MDL:	111	67%	**Range**	20.000	0.033	**Mean**	2.102	Overall	
No. <MDL:	55	33%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.477	Mean:	1.563

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Benzo(a)pyrene	21	mg/kg	J	Y	3.8		8.51	YES	0.1	YES
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Benzo(a)pyrene	15	mg/kg		Y	14		8.51	YES	0.1	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Benzo(a)pyrene	14	mg/kg		Y	1.8		8.51	YES	0.1	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Benzo(a)pyrene	14	mg/kg		Y	4		8.51	YES	0.1	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Benzo(a)pyrene	12	mg/kg		Y	3.5		8.51	YES	0.1	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Benzo(a)pyrene	12	mg/kg		Y	11		8.51	YES	0.1	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Benzo(a)pyrene	11	mg/kg		Y	3.7		8.51	YES	0.1	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Benzo(a)pyrene	9.7	mg/kg		Y	3.8		8.51	YES	0.1	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Benzo(a)pyrene	8.1	mg/kg		Y	1.8		8.51	No	0.1	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Benzo(a)pyrene	7.8	mg/kg		Y	4.7		8.51	No	0.1	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Benzo(a)pyrene	6.4	mg/kg		Y	3		8.51	No	0.1	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Benzo(a)pyrene	5.9	mg/kg		Y	1.8		8.51	No	0.1	YES
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Benzo(a)pyrene	5.4	mg/kg		Y	1.6		8.51	No	0.1	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Benzo(a)pyrene	5.3	mg/kg		Y	3.9		8.51	No	0.1	YES
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Benzo(a)pyrene	4.9	mg/kg		Y	0.97		8.51	No	0.1	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Benzo(a)pyrene	4.8	mg/kg		Y	3.6		8.51	No	0.1	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Benzo(a)pyrene	4.4	mg/kg		Y	3.6		8.51	No	0.1	YES
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Benzo(a)pyrene	3.8	mg/kg		Y	0.39		8.51	No	0.1	YES
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Benzo(a)pyrene	3.7	mg/kg	J	Y	0.96		8.51	No	0.1	YES
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Benzo(a)pyrene	3.3	mg/kg	J	Y	3.7		8.51	No	0.1	YES
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Benzo(a)pyrene	3.3	mg/kg		Y	1.4		8.51	No	0.1	YES
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Benzo(a)pyrene	3.1	mg/kg		Y	0.71		8.51	No	0.1	YES
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Benzo(a)pyrene	3	mg/kg		Y	1.8		8.51	No	0.1	YES
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Benzo(a)pyrene	2.8	mg/kg		Y	1.8		8.51	No	0.1	YES
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Benzo(a)pyrene	2.5	mg/kg		Y	0.39		8.51	No	0.1	YES
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Benzo(a)pyrene	2.2	mg/kg	J	Y	3.5		8.51	No	0.1	YES
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Benzo(a)pyrene	2.2	mg/kg	J	Y	2.4		8.51	No	0.1	YES
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Benzo(a)pyrene	2.2	mg/kg	J	Y	1.5		8.51	No	0.1	YES
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Benzo(a)pyrene	2.2	mg/kg		Y	1		8.51	No	0.1	YES
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Benzo(a)pyrene	1.9	mg/kg	J	Y	3.6		8.51	No	0.1	YES
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Benzo(a)pyrene	1.9	mg/kg		Y	0.37		8.51	No	0.1	YES
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Benzo(a)pyrene	1.7	mg/kg		Y	0.79		8.51	No	0.1	YES
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Benzo(a)pyrene	1.6	mg/kg		Y	0.36		8.51	No	0.1	YES
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Benzo(a)pyrene	1.6	mg/kg		Y	0.36		8.51	No	0.1	YES
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Benzo(a)pyrene	1.5	mg/kg		Y	0.35		8.51	No	0.1	YES
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Benzo(a)pyrene	1.5	mg/kg	J	Y	3.6		8.51	No	0.1	YES
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Benzo(a)pyrene	1.4	mg/kg	J	Y	1.9		8.51	No	0.1	YES
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Benzo(a)pyrene	1.3	mg/kg		Y	0.35		8.51	No	0.1	YES
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Benzo(a)pyrene	1.1	mg/kg		Y	0.35		8.51	No	0.1	YES
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Benzo(a)pyrene	1.1	mg/kg		Y	0.36		8.51	No	0.1	YES
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Benzo(a)pyrene	1.1	mg/kg	J	Y	0.38		8.51	No	0.1	YES
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Benzo(a)pyrene	0.98	mg/kg	J	Y	1.8		8.51	No	0.1	YES
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Benzo(a)pyrene	0.98	mg/kg	J	Y	1.9		8.51	No	0.1	YES
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Benzo(a)pyrene	0.96	mg/kg	J	Y	1.7		8.51	No	0.1	YES
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Benzo(a)pyrene	0.94	mg/kg		Y	0.37		8.51	No	0.1	YES
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Benzo(a)pyrene	0.9	mg/kg	J	Y	1.8		8.51	No	0.1	YES
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Benzo(a)pyrene	0.86	mg/kg		Y	0.8		8.51	No	0.1	YES
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Benzo(a)pyrene	0.84	mg/kg		Y	0.45		8.51	No	0.1	YES
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Benzo(a)pyrene	0.83	mg/kg	J	Y	1.8		8.51	No	0.1	YES
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Benzo(a)pyrene	0.81	mg/kg		Y	0.71		8.51	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Benzo(a)pyrene	0.73	mg/kg		Y	0.41		8.51	No	0.1	YES
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Benzo(a)pyrene	0.69	mg/kg		Y	0.51		8.51	No	0.1	YES
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Benzo(a)pyrene	0.68	mg/kg		Y	0.37		8.51	No	0.1	YES
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Benzo(a)pyrene	0.68	mg/kg	J	Y	0.39		8.51	No	0.1	YES
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Benzo(a)pyrene	0.61	mg/kg		Y	0.43		8.51	No	0.1	YES
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Benzo(a)pyrene	0.59	mg/kg		Y	0.37		8.51	No	0.1	YES
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Benzo(a)pyrene	0.58	mg/kg		Y	0.4		8.51	No	0.1	YES
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Benzo(a)pyrene	0.54	mg/kg		Y	0.5		8.51	No	0.1	YES
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Benzo(a)pyrene	0.53	mg/kg		Y	0.41		8.51	No	0.1	YES
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Benzo(a)pyrene	0.51	mg/kg		Y	0.43		8.51	No	0.1	YES
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Benzo(a)pyrene	0.49	mg/kg	J	Y	1.8		8.51	No	0.1	YES
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Benzo(a)pyrene	0.48	mg/kg		Y	0.42		8.51	No	0.1	YES
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Benzo(a)pyrene	0.48	mg/kg		Y	0.44		8.51	No	0.1	YES
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Benzo(a)pyrene	0.47	mg/kg		Y	0.35		8.51	No	0.1	YES
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Benzo(a)pyrene	0.43	mg/kg	J	Y	0.38		8.51	No	0.1	YES
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Benzo(a)pyrene	0.4	mg/kg	J	Y	3.6		8.51	No	0.1	YES
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Benzo(a)pyrene	0.4	mg/kg	J	Y	0.44		8.51	No	0.1	YES
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Benzo(a)pyrene	0.4	mg/kg	J	Y	0.41		8.51	No	0.1	YES
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Benzo(a)pyrene	0.39	mg/kg		Y	0.36		8.51	No	0.1	YES
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Benzo(a)pyrene	0.38	mg/kg	J	Y	0.42		8.51	No	0.1	YES
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Benzo(a)pyrene	0.37	mg/kg		Y	0.37		8.51	No	0.1	YES
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Benzo(a)pyrene	0.36	mg/kg		Y	0.35		8.51	No	0.1	YES
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Benzo(a)pyrene	0.35	mg/kg	J	Y	0.43		8.51	No	0.1	YES
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Benzo(a)pyrene	0.32	mg/kg	J	Y	0.36		8.51	No	0.1	YES
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Benzo(a)pyrene	0.27	mg/kg	J	Y	0.38		8.51	No	0.1	YES
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Benzo(a)pyrene	0.25	mg/kg	J	Y	1.8		8.51	No	0.1	YES
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Benzo(a)pyrene	0.25	mg/kg	J	Y	0.39		8.51	No	0.1	YES
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Benzo(a)pyrene	0.22	mg/kg	J	Y	0.93		8.51	No	0.1	YES
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Benzo(a)pyrene	0.22	mg/kg	J	Y	0.41		8.51	No	0.1	YES
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Benzo(a)pyrene	0.19	mg/kg	J	Y	0.36		8.51	No	0.1	YES
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Benzo(a)pyrene	0.19	mg/kg	J	Y	0.44		8.51	No	0.1	YES
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.38		8.51	No	0.1	YES
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.4		8.51	No	0.1	YES
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	0.38		8.51	No	0.1	YES
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	0.37		8.51	No	0.1	YES
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Benzo(a)pyrene	0.16	mg/kg	J	Y	0.39		8.51	No	0.1	YES
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Benzo(a)pyrene	0.16	mg/kg	J	Y	0.38		8.51	No	0.1	YES
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Benzo(a)pyrene	0.16	mg/kg	J	Y	0.35		8.51	No	0.1	YES
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Benzo(a)pyrene	0.15	mg/kg	J	Y	0.36		8.51	No	0.1	YES
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Benzo(a)pyrene	0.14	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35		8.51	No	0.1	YES
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35		8.51	No	0.1	YES
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.35		8.51	No	0.1	YES
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.38		8.51	No	0.1	YES
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.37		8.51	No	0.1	YES
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Benzo(a)pyrene	0.11	mg/kg	J	Y	0.35		8.51	No	0.1	YES
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.39		8.51	No	0.1	YES
[illegible]75-GP57	SS	KJ0120	26-Jan-99	YES	Benzo(a)pyrene	0[illegible]	[illegible]mg/kg	J	Y	0.43		8.51	No	0.1	

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Benzo(a)pyrene	0.087	mg/kg	J	Y	0.39		8.51	No	0.1	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Benzo(a)pyrene	0.086	mg/kg	J	Y	0.36		8.51	No	0.1	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Benzo(a)pyrene	0.078	mg/kg	J	Y	0.34		8.51	No	0.1	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Benzo(a)pyrene	0.074	mg/kg	J	Y	0.35		8.51	No	0.1	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Benzo(a)pyrene	0.072	mg/kg	J	Y	0.41		8.51	No	0.1	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Benzo(a)pyrene	0.065	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Benzo(a)pyrene	0.061	mg/kg	J	Y	0.37		8.51	No	0.1	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Benzo(a)pyrene	0.058	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Benzo(a)pyrene	0.054	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Benzo(a)pyrene	0.054	mg/kg	J	Y	0.36		8.51	No	0.1	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Benzo(a)pyrene	0.054	mg/kg	J	Y	0.39		8.51	No	0.1	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Benzo(a)pyrene	0.049	mg/kg	J	Y	0.35		8.51	No	0.1	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Benzo(a)pyrene	0.048	mg/kg	J	Y	0.38		8.51	No	0.1	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Benzo(a)pyrene	0.044	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Benzo(a)pyrene	0.042	mg/kg	J	Y	0.37		8.51	No	0.1	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Benzo(a)pyrene	0.042	mg/kg	J	Y	0.35		8.51	No	0.1	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Benzo(a)pyrene	0.03	mg/kg	J	Y	0.36		8.51	No	0.1	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Benzo(a)pyrene	8.9	mg/kg	U	N	8.9	4.45	8.51	YES	0.1	YES
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Benzo(a)pyrene	3.7	mg/kg	U	N	3.7	1.85	8.51	No	0.1	YES
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Benzo(a)pyrene	3.7	mg/kg	U	N	3.7	1.85	8.51	No	0.1	YES
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Benzo(a)pyrene	3.7	mg/kg	U	N	3.7	1.85	8.51	No	0.1	YES
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Benzo(a)pyrene	3.6	mg/kg	U	N	3.6	1.8	8.51	No	0.1	YES
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Benzo(a)pyrene	1.9	mg/kg	U	N	1.9	0.95	8.51	No	0.1	YES
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Benzo(a)pyrene	1.8	mg/kg	U	N	1.8	0.9	8.51	No	0.1	YES
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Benzo(a)pyrene	1.8	mg/kg	U	N	1.8	0.9	8.51	No	0.1	YES
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Benzo(a)pyrene	1.8	mg/kg	U	N	1.8	0.9	8.51	No	0.1	YES
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Benzo(a)pyrene	0.74	mg/kg	U	N	0.74	0.37	8.51	No	0.1	YES
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Benzo(a)pyrene	0.73	mg/kg	U	N	0.73	0.365	8.51	No	0.1	YES
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Benzo(a)pyrene	0.44	mg/kg	U	N	0.44	0.22	8.51	No	0.1	YES
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Benzo(a)pyrene	0.44	mg/kg	U	N	0.44	0.22	8.51	No	0.1	YES
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	0.1	YES
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	0.1	YES
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41	0.205	8.51	No	0.1	YES
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41	0.205	8.51	No	0.1	YES
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Benzo(a)pyrene	0.41	mg/kg	U	N	0.41	0.205	8.51	No	0.1	YES
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	0.1	YES
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	0.1	YES
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Benzo(a)pyrene	0.4	mg/kg	R	N	0.4	0.2	8.51	No	0.1	YES
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	0.1	YES
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	YES
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Benzó(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	YES
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	YES
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	YES
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	YES
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Benzo(a)pyrene	0.39	mg/kg	UJ	N	0.39	0.195	8.51	No	0.1	YES
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	YES
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	0.1	YES
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	0.1	YES
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	0.1	YES
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	0.1	YES
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Benzo(a)pyrene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	0.1	YES
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Benzo(a)pyrene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	0.1	YES
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	YES
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	YES
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	YES
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Benzo(a)pyrene	0.37	mg/kg	UJ	N	0.37	0.185	8.51	No	0.1	YES
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	YES
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	YES
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	0.1	YES
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	0.1	YES
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	YES
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	YES
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	YES
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	YES
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	YES

Benzo(a)pyrene Total Number of Results: **166**

No. >MDL:	117	70%	**Range**	21.000	0.030	**Mean**	2.041	Overall	
No. <MDL:	49	30%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.480	Mean:	**1.580**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Benzo(b)fluoranthene	28	mg/kg	J	Y	3.8		0.85	YES	59.8	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Benzo(b)fluoranthene	23	mg/kg		Y	3.8		0.85	YES	59.8	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Benzo(b)fluoranthene	19	mg/kg		Y	14		0.85	YES	59.8	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Benzo(b)fluoranthene	16	mg/kg		Y	1.8		0.85	YES	59.8	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Benzo(b)fluoranthene	16	mg/kg		Y	11		0.85	YES	59.8	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Benzo(b)fluoranthene	15	mg/kg		Y	4		0.85	YES	59.8	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Benzo(b)fluoranthene	13	mg/kg		Y	3.5		0.85	YES	59.8	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Benzo(b)fluoranthene	11	mg/kg		Y	3.7		0.85	YES	59.8	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Benzo(b)fluoranthene	10	mg/kg		Y	1.8		0.85	YES	59.8	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Benzo(b)fluoranthene	9.8	mg/kg		Y	4.7		0.85	YES	59.8	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Benzo(b)fluoranthene	8.9	mg/kg		Y	3		0.85	YES	59.8	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Benzo(b)fluoranthene	8	mg/kg		Y	1.6		0.85	YES	59.8	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Benzo(b)fluoranthene	7.3	mg/kg		Y	1.8		0.85	YES	59.8	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Benzo(b)fluoranthene	6.8	mg/kg		Y	0.97		0.85	YES	59.8	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Benzo(b)fluoranthene	6	mg/kg		Y	1.4		0.85	YES	59.8	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Benzo(b)fluoranthene	5.7	mg/kg		Y	3.6		0.85	YES	59.8	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Benzo(b)fluoranthene	5.1	mg/kg	J	Y	0.96		0.85	YES	59.8	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Benzo(b)fluoranthene	4.4	mg/kg		Y	3.6		0.85	YES	59.8	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Benzo(b)fluoranthene	4.3	mg/kg		Y	3.9		0.85	YES	59.8	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	0.39		0.85	YES	59.8	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	0.71		0.85	YES	59.8	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	2.4		0.85	YES	59.8	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Benzo(b)fluoranthene	3.4	mg/kg		Y	0.8		0.85	YES	59.8	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Benzo(b)fluoranthene	3.1	mg/kg		Y	1		0.85	YES	59.8	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Benzo(b)fluoranthene	2.9	mg/kg	J	Y	3.7		0.85	YES	59.8	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Benzo(b)fluoranthene	2.8	mg/kg		Y	0.37		0.85	YES	59.8	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Benzo(b)fluoranthene	2.8	mg/kg		Y	1.8		0.85	YES	59.8	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Benzo(b)fluoranthene	2.7	mg/kg	J	Y	1.5		0.85	YES	59.8	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Benzo(b)fluoranthene	2.7	mg/kg		Y	1.8		0.85	YES	59.8	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Benzo(b)fluoranthene	2.6	mg/kg		Y	0.79		0.85	YES	59.8	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Benzo(b)fluoranthene	2.1	mg/kg		Y	0.35		0.85	YES	59.8	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Benzo(b)fluoranthene	2.1	mg/kg	J	Y	3.6		0.85	YES	59.8	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Benzo(b)fluoranthene	2.1	mg/kg		Y	0.36		0.85	YES	59.8	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Benzo(b)fluoranthene	2	mg/kg		Y	0.36		0.85	YES	59.8	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Benzo(b)fluoranthene	2	mg/kg		Y	0.39		0.85	YES	59.8	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Benzo(b)fluoranthene	1.8	mg/kg		Y	0.35		0.85	YES	59.8	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Benzo(b)fluoranthene	1.6	mg/kg		Y	0.45		0.85	YES	59.8	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Benzo(b)fluoranthene	1.4	mg/kg	J	Y	3.6		0.85	YES	59.8	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Benzo(b)fluoranthene	1.4	mg/kg	J	Y	3.5		0.85	YES	59.8	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Benzo(b)fluoranthene	1.4	mg/kg		Y	0.37		0.85	YES	59.8	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Benzo(b)fluoranthene	1.3	mg/kg	J	Y	1.9		0.85	YES	59.8	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Benzo(b)fluoranthene	1.3	mg/kg	J	Y	0.38		0.85	YES	59.8	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Benzo(b)fluoranthene	1.3	mg/kg		Y	0.39		0.85	YES	59.8	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Benzo(b)fluoranthene	1.2	mg/kg		Y	0.35		0.85	YES	59.8	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Benzo(b)fluoranthene	1.2	mg/kg		Y	0.36		0.85	YES	59.8	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Benzo(b)fluoranthene	1.1	mg/kg		Y	0.41		0.85	YES	59.8	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Benzo(b)fluoranthene	1	mg/kg		Y	0.4		0.85	YES	59.8	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Benzo(b)fluoranthene	0.97	mg/kg	J	Y	1.8		0.85	YES	59.8	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Benzo(b)fluoranthene	0.95	mg/kg		Y	0.43		0.85	YES	59.8	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Benzo(b)fluoranthene	0.91	mg/kg	J	Y	1.9		0.85	YES	59.8	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Benzo(b)fluoranthene	0.9	mg/kg		Y	0.44		0.85	YES	59.8	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Benzo(b)fluoranthene	0.89	mg/kg	J	Y	1.8		0.85	YES	59.8	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Benzo(b)fluoranthene	0.87	mg/kg		Y	0.5		0.85	YES	59.8	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Benzo(b)fluoranthene	0.86	mg/kg		Y	0.51		0.85	YES	59.8	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Benzo(b)fluoranthene	0.86	mg/kg	J	Y	1.8		0.85	YES	59.8	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Benzo(b)fluoranthene	0.77	mg/kg		Y	0.44		0.85	No	59.8	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Benzo(b)fluoranthene	0.77	mg/kg		Y	0.42		0.85	No	59.8	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Benzo(b)fluoranthene	0.72	mg/kg		Y	0.37		0.85	No	59.8	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Benzo(b)fluoranthene	0.7	mg/kg	J	Y	1.7		0.85	No	59.8	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Benzo(b)fluoranthene	0.7	mg/kg		Y	0.41		0.85	No	59.8	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Benzo(b)fluoranthene	0.58	mg/kg		Y	0.42		0.85	No	59.8	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Benzo(b)fluoranthene	0.56	mg/kg	J	Y	0.71		0.85	No	59.8	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Benzo(b)fluoranthene	0.56	mg/kg		Y	0.43		0.85	No	59.8	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Benzo(b)fluoranthene	0.55	mg/kg	J	Y	3.6		0.85	No	59.8	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Benzo(b)fluoranthene	0.54	mg/kg		Y	0.41		0.85	No	59.8	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Benzo(b)fluoranthene	0.54	mg/kg		Y	0.37		0.85	No	59.8	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Benzo(b)fluoranthene	0.5	mg/kg	J	Y	1.8		0.85	No	59.8	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Benzo(b)fluoranthene	0.5	mg/kg		Y	0.35		0.85	No	59.8	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Benzo(b)fluoranthene	0.43	mg/kg		Y	0.43		0.85	No	59.8	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Benzo(b)fluoranthene	0.42	mg/kg		Y	0.37		0.85	No	59.8	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Benzo(b)fluoranthene	0.39	mg/kg		Y	0.36		0.85	No	59.8	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Benzo(b)fluoranthene	0.38	mg/kg	J	Y	0.38		0.85	No	59.8	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Benzo(b)fluoranthene	0.37	mg/kg	J	Y	0.93		0.85	No	59.8	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Benzo(b)fluoranthene	0.37	mg/kg	J	Y	0.38		0.85	No	59.8	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Benzo(b)fluoranthene	0.35	mg/kg	J	Y	0.36		0.85	No	59.8	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Benzo(b)fluoranthene	0.34	mg/kg	J	Y	0.44		0.85	No	59.8	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Benzo(b)fluoranthene	0.32	mg/kg	J	Y	0.39		0.85	No	59.8	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Benzo(b)fluoranthene	0.31	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Benzo(b)fluoranthene	0.3	mg/kg	J	Y	0.36		0.85	No	59.8	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Benzo(b)fluoranthene	0.28	mg/kg	J	Y	0.36		0.85	No	59.8	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Benzo(b)fluoranthene	0.28	mg/kg	J	Y	0.41		0.85	No	59.8	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Benzo(b)fluoranthene	0.24	mg/kg	J	Y	0.4		0.85	No	59.8	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Benzo(b)fluoranthene	0.21	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Benzo(b)fluoranthene	0.19	mg/kg	J	Y	1.8		0.85	No	59.8	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Benzo(b)fluoranthene	0.19	mg/kg	J	Y	0.38		0.85	No	59.8	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Benzo(b)fluoranthene	0.18	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Benzo(b)fluoranthene	0.16	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Benzo(b)fluoranthene	0.16	mg/kg	J	Y	0.39		0.85	No	59.8	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Benzo(b)fluoranthene	0.15	mg/kg	J	Y	0.43		0.85	No	59.8	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.39		0.85	No	59.8	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.35		0.85	No	59.8	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Benzo(b)fluoranthene	0.13	mg/kg	J	Y	0.38		0.85	No	59.8	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Benzo(b)fluoranthene	0.12	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.38		0.85	No	59.8	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37		0.85	No	59.8	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Benzo(b)fluoranthene	0.093	mg/kg	J	Y	0.35		0.85	No	59.8	No
F[illegible]1-GP26	SS	BJ0061	16-Sep-98	YES	Benzo(b)fluoranthene	0[illegible]	[illegible]ng/kg	J	Y	0.34		0.85	No	59.8	

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Benzo(b)fluoranthene	0.085	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Benzo(b)fluoranthene	0.081	mg/kg	J	Y	0.36		0.85	No	59.8	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Benzo(b)fluoranthene	0.079	mg/kg	J	Y	0.35		0.85	No	59.8	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Benzo(b)fluoranthene	0.069	mg/kg	J	Y	0.36		0.85	No	59.8	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Benzo(b)fluoranthene	0.067	mg/kg	J	Y	0.38		0.85	No	59.8	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Benzo(b)fluoranthene	0.063	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Benzo(b)fluoranthene	0.063	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Benzo(b)fluoranthene	0.058	mg/kg	J	Y	0.36		0.85	No	59.8	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Benzo(b)fluoranthene	0.058	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Benzo(b)fluoranthene	0.055	mg/kg	J	Y	0.41		0.85	No	59.8	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Benzo(b)fluoranthene	0.05	mg/kg	J	Y	0.37		0.85	No	59.8	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Benzo(b)fluoranthene	0.046	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Benzo(b)fluoranthene	0.044	mg/kg	J	Y	0.37		0.85	No	59.8	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Benzo(b)fluoranthene	0.043	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Benzo(b)fluoranthene	0.04	mg/kg	J	Y	0.42		0.85	No	59.8	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Benzo(b)fluoranthene	0.04	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Benzo(b)fluoranthene	0.038	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Benzo(b)fluoranthene	0.036	mg/kg	J	Y	0.36		0.85	No	59.8	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Benzo(b)fluoranthene	0.034	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Benzo(b)fluoranthene	0.033	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Benzo(b)fluoranthene	0.032	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Benzo(b)fluoranthene	8.9	mg/kg	U	N	8.9	4.45	0.85	**YES**	59.8	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Benzo(b)fluoranthene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	59.8	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Benzo(b)fluoranthene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	59.8	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Benzo(b)fluoranthene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	59.8	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Benzo(b)fluoranthene	3.6	mg/kg	U	N	3.6	1.8	0.85	**YES**	59.8	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Benzo(b)fluoranthene	1.9	mg/kg	U	N	1.9	0.95	0.85	**YES**	59.8	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Benzo(b)fluoranthene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	59.8	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Benzo(b)fluoranthene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	59.8	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Benzo(b)fluoranthene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	59.8	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Benzo(b)fluoranthene	0.74	mg/kg	U	N	0.74	0.37	0.85	No	59.8	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Benzo(b)fluoranthene	0.73	mg/kg	U	N	0.73	0.365	0.85	No	59.8	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Benzo(b)fluoranthene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	59.8	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Benzo(b)fluoranthene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	59.8	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	59.8	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	59.8	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	59.8	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Benzo(b)fluoranthene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	59.8	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	59.8	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Benzo(b)fluoranthene	0.4	mg/kg	R	N	0.4	0.2	0.85	No	59.8	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	59.8	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	59.8	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	59.8	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	59.8	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Benzo(b)fluoranthene	0.39	mg/kg	UJ	N	0.39	0.195	0.85	No	59.8	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	59.8	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	59.8	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	59.8	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	59.8	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	59.8	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	0.85	No	59.8	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	0.85	No	59.8	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Benzo(b)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	59.8	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Benzo(b)fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	0.85	No	59.8	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	59.8	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No

Benzo(b)fluoranthene Total Number of Results: **166**

No. >MDL:	121	73%	**Range**	28.000	0.032	**Mean**	2.488	Overall	
No. <MDL:	45	27%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.504	Mean:	1.950

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Benzo(ghi)perylene	8.6	mg/kg	J	Y	3.8		231.72	No	119	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Benzo(ghi)perylene	8.4	mg/kg	J	Y	14		231.72	No	119	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Benzo(ghi)perylene	6.3	mg/kg	J	Y	11		231.72	No	119	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Benzo(ghi)perylene	5	mg/kg	J	Y	3.8		231.72	No	119	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Benzo(ghi)perylene	4.8	mg/kg		Y	1.6		231.72	No	119	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Benzo(ghi)perylene	4.7	mg/kg		Y	4.7		231.72	No	119	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Benzo(ghi)perylene	4.7	mg/kg		Y	0.97		231.72	No	119	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Benzo(ghi)perylene	4.5	mg/kg		Y	3.7		231.72	No	119	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Benzo(ghi)perylene	2.9	mg/kg	J	Y	3		231.72	No	119	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Benzo(ghi)perylene	2.8	mg/kg	J	Y	0.96		231.72	No	119	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Benzo(ghi)perylene	2.7	mg/kg	J	Y	3.7		231.72	No	119	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Benzo(ghi)perylene	2.5	mg/kg		Y	1.8		231.72	No	119	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Benzo(ghi)perylene	2.4	mg/kg	J	Y	3.6		231.72	No	119	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Benzo(ghi)perylene	2.1	mg/kg	J	Y	1.5		231.72	No	119	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Benzo(ghi)perylene	2	mg/kg		Y	1.8		231.72	No	119	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Benzo(ghi)perylene	2	mg/kg		Y	0.39		231.72	No	119	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Benzo(ghi)perylene	2	mg/kg		Y	1.4		231.72	No	119	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Benzo(ghi)perylene	1.9	mg/kg		Y	0.71		231.72	No	119	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Benzo(ghi)perylene	1.9	mg/kg		Y	1.8		231.72	No	119	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Benzo(ghi)perylene	1.8	mg/kg	J	Y	3.5		231.72	No	119	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Benzo(ghi)perylene	1.7	mg/kg	J	Y	3.5		231.72	No	119	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Benzo(ghi)perylene	1.6	mg/kg	J	Y	3.9		231.72	No	119	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Benzo(ghi)perylene	1.5	mg/kg		Y	0.4		231.72	No	119	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Benzo(ghi)perylene	1.5	mg/kg		Y	1		231.72	No	119	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Benzo(ghi)perylene	1.3	mg/kg		Y	0.8		231.72	No	119	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Benzo(ghi)perylene	1.3	mg/kg		Y	0.79		231.72	No	119	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Benzo(ghi)perylene	1.2	mg/kg	J	Y	2.4		231.72	No	119	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Benzo(ghi)perylene	1.2	mg/kg	J	Y	1.8		231.72	No	119	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.36		231.72	No	119	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.37		231.72	No	119	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Benzo(ghi)perylene	1.1	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Benzo(ghi)perylene	1	mg/kg		Y	0.35		231.72	No	119	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Benzo(ghi)perylene	0.87	mg/kg		Y	0.39		231.72	No	119	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Benzo(ghi)perylene	0.87	mg/kg	J	Y	1.8		231.72	No	119	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Benzo(ghi)perylene	0.82	mg/kg	J	Y	3.6		231.72	No	119	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Benzo(ghi)perylene	0.77	mg/kg	J	Y	1.7		231.72	No	119	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Benzo(ghi)perylene	0.7	mg/kg	J	Y	1.9		231.72	No	119	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Benzo(ghi)perylene	0.63	mg/kg	J	Y	3.6		231.72	No	119	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Benzo(ghi)perylene	0.57	mg/kg		Y	0.4		231.72	No	119	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Benzo(ghi)perylene	0.54	mg/kg	J	Y	1.8		231.72	No	119	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Benzo(ghi)perylene	0.53	mg/kg	J	Y	3.6		231.72	No	119	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Benzo(ghi)perylene	0.51	mg/kg	J	Y	0.71		231.72	No	119	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Benzo(ghi)perylene	0.47	mg/kg	J	Y	1.8		231.72	No	119	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Benzo(ghi)perylene	0.46	mg/kg		Y	0.43		231.72	No	119	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Benzo(ghi)perylene	0.44	mg/kg		Y	0.37		231.72	No	119	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Benzo(ghi)perylene	0.44	mg/kg	J	Y	0.5		231.72	No	119	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Benzo(ghi)perylene	0.43	mg/kg	J	Y	1.8		231.72	No	119	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Benzo(ghi)perylene	0.42	mg/kg	J	Y	0.45		231.72	No	119	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Benzo(ghi)perylene	0.4	mg/kg	J	Y	0.51		231.72	No	119	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Benzo(ghi)perylene	0.36	mg/kg	J	Y	0.37		231.72	No	119	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Benzo(ghi)perylene	0.36	mg/kg	J	Y	0.39		231.72	No	119	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Benzo(ghi)perylene	0.35	mg/kg	J	Y	0.43		231.72	No	119	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Benzo(ghi)perylene	0.32	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Benzo(ghi)perylene	0.31	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Benzo(ghi)perylene	0.29	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Benzo(ghi)perylene	0.29	mg/kg	J	Y	1.9		231.72	No	119	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Benzo(ghi)perylene	0.29	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Benzo(ghi)perylene	0.28	mg/kg	J	Y	0.41		231.72	No	119	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Benzo(ghi)perylene	0.28	mg/kg	J	Y	0.42		231.72	No	119	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Benzo(ghi)perylene	0.25	mg/kg	J	Y	0.44		231.72	No	119	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Benzo(ghi)perylene	0.24	mg/kg	J	Y	1.8		231.72	No	119	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Benzo(ghi)perylene	0.23	mg/kg	J	Y	0.44		231.72	No	119	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Benzo(ghi)perylene	0.23	mg/kg	J	Y	0.41		231.72	No	119	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Benzo(ghi)perylene	0.22	mg/kg	J	Y	0.42		231.72	No	119	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Benzo(ghi)perylene	0.19	mg/kg	J	Y	0.93		231.72	No	119	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Benzo(ghi)perylene	0.18	mg/kg	J	Y	0.35		231.72	No	119	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Benzo(ghi)perylene	0.17	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.41		231.72	No	119	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.41		231.72	No	119	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Benzo(ghi)perylene	0.14	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.39		231.72	No	119	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.43		231.72	No	119	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.38		231.72	No	119	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.36		231.72	No	119	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.35		231.72	No	119	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Benzo(ghi)perylene	0.095	mg/kg	J	Y	0.4		231.72	No	119	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Benzo(ghi)perylene	0.095	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Benzo(ghi)perylene	0.089	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Benzo(ghi)perylene	0.087	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Benzo(ghi)perylene	0.086	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Benzo(ghi)perylene	0.085	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Benzo(ghi)perylene	0.084	mg/kg	J	Y	0.35		231.72	No	119	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Benzo(ghi)perylene	0.08	mg/kg	J	Y	0.43		231.72	No	119	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Benzo(ghi)perylene	0.076	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Benzo(ghi)perylene	0.069	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Benzo(ghi)perylene	0.068	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Benzo(ghi)perylene	0.065	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Benzo(ghi)perylene	0.064	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Benzo(ghi)perylene	0.061	mg/kg	J	Y	0.38		231.72	No	119	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Benzo(ghi)perylene	0.061	mg/kg	J	Y	0.44		231.72	No	119	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Benzo(ghi)perylene	0.057	mg/kg	J	Y	0.35		231.72	No	119	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Benzo(ghi)perylene	0.055	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Benzo(ghi)perylene	0.053	mg/kg	J	Y	0.34		231.72	No	119	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Benzo(ghi)perylene	0.048	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Benzo(ghi)perylene	0.047	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Benzo(ghi)perylene	0.045	mg/kg	J	Y	0.35		231.72	No	119	No
F[illegible]48-GP08	SS	DB0011	23-Oct-98	YES	Benzo(ghi)perylene	0.0[illegible]	mg/kg	J	Y	0.39		231.72	No	119	[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Benzo(ghi)perylene	0.04	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.37		231.72	No	119	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Benzo(ghi)perylene	8.9	mg/kg	U	N	8.9	4.45	231.72	No	119	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Benzo(ghi)perylene	3.7	mg/kg	U	N	3.7	1.85	231.72	No	119	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Benzo(ghi)perylene	3.7	mg/kg	U	N	3.7	1.85	231.72	No	119	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Benzo(ghi)perylene	3.7	mg/kg	U	N	3.7	1.85	231.72	No	119	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Benzo(ghi)perylene	3.6	mg/kg	U	N	3.6	1.8	231.72	No	119	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Benzo(ghi)perylene	3.6	mg/kg	U	N	3.6	1.8	231.72	No	119	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Benzo(ghi)perylene	1.9	mg/kg	U	N	1.9	0.95	231.72	No	119	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8	0.9	231.72	No	119	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8	0.9	231.72	No	119	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8	0.9	231.72	No	119	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Benzo(ghi)perylene	1.8	mg/kg	U	N	1.8	0.9	231.72	No	119	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Benzo(ghi)perylene	0.74	mg/kg	U	N	0.74	0.37	231.72	No	119	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Benzo(ghi)perylene	0.73	mg/kg	U	N	0.73	0.365	231.72	No	119	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44	0.22	231.72	No	119	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44	0.22	231.72	No	119	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42	0.21	231.72	No	119	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42	0.21	231.72	No	119	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41	0.205	231.72	No	119	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41	0.205	231.72	No	119	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41	0.205	231.72	No	119	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Benzo(ghi)perylene	0.41	mg/kg	U	N	0.41	0.205	231.72	No	119	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Benzo(ghi)perylene	0.4	mg/kg	R	N	0.4	0.2	231.72	No	119	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Benzo(ghi)perylene	0.39	mg/kg	UJ	N	0.39	0.195	231.72	No	119	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Benzo(ghi)perylene	0.38	mg/kg	UJ	N	0.38	0.19	231.72	No	119	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Benzo(ghi)perylene	0.37	mg/kg	UJ	N	0.37	0.185	231.72	No	119	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36	0.18	231.72	No	119	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No

Benzo(ghi)perylene Total Number of Results: **166**

No. >MDL:	103	62%	**Range**	8.600	0.034	**Mean**	1.043	Overall	
No. <MDL:	63	38%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.451	Mean:	**0.818**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Benzo(k)fluoranthene	17	mg/kg	J	Y	3.8		8.51	YES	148	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Benzo(k)fluoranthene	17	mg/kg		Y	1.8		8.51	YES	148	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Benzo(k)fluoranthene	13	mg/kg		Y	3.5		8.51	YES	148	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Benzo(k)fluoranthene	13	mg/kg	J	Y	4		8.51	YES	148	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Benzo(k)fluoranthene	8.4	mg/kg		Y	1.8		8.51	No	148	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Benzo(k)fluoranthene	8.3	mg/kg		Y	3.7		8.51	No	148	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Benzo(k)fluoranthene	8.1	mg/kg	J	Y	14		8.51	No	148	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Benzo(k)fluoranthene	7.8	mg/kg		Y	3.8		8.51	No	148	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Benzo(k)fluoranthene	7	mg/kg	J	Y	11		8.51	No	148	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Benzo(k)fluoranthene	6.5	mg/kg	J	Y	3.9		8.51	No	148	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Benzo(k)fluoranthene	6	mg/kg		Y	3.6		8.51	No	148	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Benzo(k)fluoranthene	4.3	mg/kg	J	Y	4.7		8.51	No	148	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Benzo(k)fluoranthene	3.9	mg/kg		Y	1.8		8.51	No	148	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Benzo(k)fluoranthene	3.6	mg/kg		Y	3		8.51	No	148	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Benzo(k)fluoranthene	3.3	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Benzo(k)fluoranthene	3	mg/kg	J	Y	3.7		8.51	No	148	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Benzo(k)fluoranthene	2.9	mg/kg		Y	0.71		8.51	No	148	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Benzo(k)fluoranthene	2.9	mg/kg		Y	1.8		8.51	No	148	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Benzo(k)fluoranthene	2.7	mg/kg		Y	1.8		8.51	No	148	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Benzo(k)fluoranthene	2.6	mg/kg	J	Y	0.37		8.51	No	148	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Benzo(k)fluoranthene	2.6	mg/kg		Y	1.6		8.51	No	148	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Benzo(k)fluoranthene	2.4	mg/kg	J	Y	3.5		8.51	No	148	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Benzo(k)fluoranthene	2.4	mg/kg		Y	0.97		8.51	No	148	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Benzo(k)fluoranthene	2.1	mg/kg	J	Y	3.6		8.51	No	148	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Benzo(k)fluoranthene	2.1	mg/kg		Y	1.4		8.51	No	148	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Benzo(k)fluoranthene	2	mg/kg		Y	0.35		8.51	No	148	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Benzo(k)fluoranthene	1.9	mg/kg	J	Y	3.6		8.51	No	148	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Benzo(k)fluoranthene	1.9	mg/kg		Y	0.39		8.51	No	148	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Benzo(k)fluoranthene	1.8	mg/kg	J	Y	3.6		8.51	No	148	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Benzo(k)fluoranthene	1.6	mg/kg		Y	0.36		8.51	No	148	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Benzo(k)fluoranthene	1.6	mg/kg	J	Y	0.96		8.51	No	148	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Benzo(k)fluoranthene	1.5	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Benzo(k)fluoranthene	1.5	mg/kg	J	Y	1.9		8.51	No	148	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Benzo(k)fluoranthene	1.3	mg/kg	J	Y	0.36		8.51	No	148	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Benzo(k)fluoranthene	1.3	mg/kg	J	Y	1.9		8.51	No	148	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Benzo(k)fluoranthene	1.3	mg/kg		Y	0.8		8.51	No	148	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Benzo(k)fluoranthene	1.2	mg/kg	J	Y	1.8		8.51	No	148	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Benzo(k)fluoranthene	1.1	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Benzo(k)fluoranthene	1.1	mg/kg		Y	0.71		8.51	No	148	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Benzo(k)fluoranthene	1.1	mg/kg	J	Y	2.4		8.51	No	148	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Benzo(k)fluoranthene	1.1	mg/kg		Y	1		8.51	No	148	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Benzo(k)fluoranthene	1	mg/kg		Y	0.79		8.51	No	148	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Benzo(k)fluoranthene	0.97	mg/kg	J	Y	1.7		8.51	No	148	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Benzo(k)fluoranthene	0.93	mg/kg	J	Y	1.5		8.51	No	148	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Benzo(k)fluoranthene	0.91	mg/kg		Y	0.51		8.51	No	148	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Benzo(k)fluoranthene	0.86	mg/kg	J	Y	1.8		8.51	No	148	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Benzo(k)fluoranthene	0.78	mg/kg		Y	0.41		8.51	No	148	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Benzo(k)fluoranthene	0.7	mg/kg	J	Y	1.8		8.51	No	148	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Benzo(k)fluoranthene	0.69	mg/kg		Y	0.37		8.51	No	148	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Benzo(k)fluoranthene	0.67	mg/kg		Y	0.41		8.51	No	148	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Benzo(k)fluoranthene	0.67	mg/kg		Y	0.43		8.51	No	148	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Benzo(k)fluoranthene	0.65	mg/kg		Y	0.43		8.51	No	148	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Benzo(k)fluoranthene	0.61	mg/kg		Y	0.36		8.51	No	148	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Benzo(k)fluoranthene	0.58	mg/kg	J	Y	1.8		8.51	No	148	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Benzo(k)fluoranthene	0.58	mg/kg		Y	0.45		8.51	No	148	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Benzo(k)fluoranthene	0.57	mg/kg		Y	0.37		8.51	No	148	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Benzo(k)fluoranthene	0.55	mg/kg		Y	0.43		8.51	No	148	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Benzo(k)fluoranthene	0.54	mg/kg		Y	0.44		8.51	No	148	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Benzo(k)fluoranthene	0.52	mg/kg	J	Y	0.38		8.51	No	148	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Benzo(k)fluoranthene	0.52	mg/kg		Y	0.5		8.51	No	148	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Benzo(k)fluoranthene	0.51	mg/kg		Y	0.37		8.51	No	148	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Benzo(k)fluoranthene	0.47	mg/kg		Y	0.39		8.51	No	148	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Benzo(k)fluoranthene	0.46	mg/kg		Y	0.35		8.51	No	148	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Benzo(k)fluoranthene	0.41	mg/kg		Y	0.35		8.51	No	148	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Benzo(k)fluoranthene	0.41	mg/kg		Y	0.4		8.51	No	148	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Benzo(k)fluoranthene	0.38	mg/kg		Y	0.36		8.51	No	148	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Benzo(k)fluoranthene	0.35	mg/kg	J	Y	0.44		8.51	No	148	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Benzo(k)fluoranthene	0.34	mg/kg	J	Y	0.38		8.51	No	148	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Benzo(k)fluoranthene	0.33	mg/kg	J	Y	0.41		8.51	No	148	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Benzo(k)fluoranthene	0.32	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Benzo(k)fluoranthene	0.3	mg/kg	J	Y	0.36		8.51	No	148	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Benzo(k)fluoranthene	0.29	mg/kg	J	Y	0.38		8.51	No	148	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Benzo(k)fluoranthene	0.29	mg/kg	J	Y	0.44		8.51	No	148	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Benzo(k)fluoranthene	0.28	mg/kg	J	Y	1.8		8.51	No	148	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.42		8.51	No	148	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.41		8.51	No	148	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.42		8.51	No	148	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Benzo(k)fluoranthene	0.22	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.36		8.51	No	148	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.37		8.51	No	148	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Benzo(k)fluoranthene	0.19	mg/kg	J	Y	0.35		8.51	No	148	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Benzo(k)fluoranthene	0.16	mg/kg	J	Y	0.38		8.51	No	148	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.38		8.51	No	148	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.38		8.51	No	148	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.37		8.51	No	148	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.36		8.51	No	148	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Benzo(k)fluoranthene	0.094	mg/kg	J	Y	0.35		8.51	No	148	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Benzo(k)fluoranthene	0.092	mg/kg	J	Y	0.36		8.51	No	148	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Benzo(k)fluoranthene	0.09	mg/kg	J	Y	0.4		8.51	No	148	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Benzo(k)fluoranthene	0.088	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Benzo(k)fluoranthene	0.085	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Benzo(k)fluoranthene	0.084	mg/kg	J	Y	0.34		8.51	No	148	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Benzo(k)fluoranthene	0.083	mg/kg	J	Y	0.41		8.51	No	148	No
FT[illegible]4-GP10	SS	DL0022	26-Oct-98	YES	Benzo(k)fluoranthene	0.0[illegible]	mg/kg	J	Y	0.37		8.51	No	148	[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Benzo(k)fluoranthene	0.07	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Benzo(k)fluoranthene	0.069	mg/kg	J	Y	0.36		8.51	No	148	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Benzo(k)fluoranthene	0.065	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Benzo(k)fluoranthene	0.064	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Benzo(k)fluoranthene	0.063	mg/kg	J	Y	0.36		8.51	No	148	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Benzo(k)fluoranthene	0.06	mg/kg	J	Y	0.43		8.51	No	148	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Benzo(k)fluoranthene	0.058	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Benzo(k)fluoranthene	0.055	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Benzo(k)fluoranthene	0.052	mg/kg	J	Y	0.36		8.51	No	148	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Benzo(k)fluoranthene	0.047	mg/kg	J	Y	0.39		8.51	No	148	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Benzo(k)fluoranthene	0.045	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Benzo(k)fluoranthene	8.9	mg/kg	U	N	8.9	4.45	8.51	YES	148	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Benzo(k)fluoranthene	3.7	mg/kg	UJ	N	3.7	1.85	8.51	No	148	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Benzo(k)fluoranthene	3.7	mg/kg	U	N	3.7	1.85	8.51	No	148	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Benzo(k)fluoranthene	3.7	mg/kg	U	N	3.7	1.85	8.51	No	148	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Benzo(k)fluoranthene	3.6	mg/kg	U	N	3.6	1.8	8.51	No	148	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Benzo(k)fluoranthene	3.6	mg/kg	U	N	3.6	1.8	8.51	No	148	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Benzo(k)fluoranthene	1.9	mg/kg	U	N	1.9	0.95	8.51	No	148	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Benzo(k)fluoranthene	1.8	mg/kg	U	N	1.8	0.9	8.51	No	148	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Benzo(k)fluoranthene	1.8	mg/kg	U	N	1.8	0.9	8.51	No	148	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Benzo(k)fluoranthene	1.8	mg/kg	UJ	N	1.8	0.9	8.51	No	148	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Benzo(k)fluoranthene	0.93	mg/kg	R	N	0.93	0.465	8.51	No	148	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Benzo(k)fluoranthene	0.74	mg/kg	U	N	0.74	0.37	8.51	No	148	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Benzo(k)fluoranthene	0.73	mg/kg	U	N	0.73	0.365	8.51	No	148	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Benzo(k)fluoranthene	0.44	mg/kg	U	N	0.44	0.22	8.51	No	148	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Benzo(k)fluoranthene	0.44	mg/kg	U	N	0.44	0.22	8.51	No	148	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	148	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	148	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Benzo(k)fluoranthene	0.41	mg/kg	U	N	0.41	0.205	8.51	No	148	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Benzo(k)fluoranthene	0.41	mg/kg	U	N	0.41	0.205	8.51	No	148	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Benzo(k)fluoranthene	0.41	mg/kg	U	N	0.41	0.205	8.51	No	148	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	148	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	148	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Benzo(k)fluoranthene	0.4	mg/kg	R	N	0.4	0.2	8.51	No	148	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N	0.4	0.2	8.51	No	148	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N	0.39	0.195	8.51	No	148	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Benzo(k)fluoranthene	0.39	mg/kg	UJ	N	0.39	0.195	8.51	No	148	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	148	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	148	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	148	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	148	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	148	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	148	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Benzo(k)fluoranthene	0.38	mg/kg	U	N	0.38	0.19	8.51	No	148	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	148	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	148	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	8.51	No	148	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	148	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	148	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N	0.35	0.175	8.51	No	148	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	148	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	148	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	148	No

Benzo(k)fluoranthene Total Number of Results: **166**

No. >MDL:	111	67%	**Range**	17.000	0.045	**Mean**	1.794	Overall	
No. <MDL:	55	33%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.482	Mean:	**1.359**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Chrysene	27	mg/kg	J	Y	3.8		86.05	No	4.73	YES
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Chrysene	18	mg/kg		Y	14		86.05	No	4.73	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Chrysene	17	mg/kg		Y	4		86.05	No	4.73	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Chrysene	16	mg/kg		Y	1.8		86.05	No	4.73	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Chrysene	14	mg/kg		Y	11		86.05	No	4.73	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Chrysene	14	mg/kg		Y	3.8		86.05	No	4.73	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Chrysene	12	mg/kg		Y	3.5		86.05	No	4.73	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Chrysene	10	mg/kg		Y	3.7		86.05	No	4.73	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Chrysene	9.3	mg/kg		Y	4.7		86.05	No	4.73	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Chrysene	6.9	mg/kg		Y	1.8		86.05	No	4.73	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Chrysene	6.1	mg/kg		Y	3.9		86.05	No	4.73	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Chrysene	6	mg/kg		Y	3		86.05	No	4.73	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Chrysene	5.7	mg/kg		Y	3.6		86.05	No	4.73	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Chrysene	5.2	mg/kg		Y	3.6		86.05	No	4.73	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Chrysene	5	mg/kg		Y	1.8		86.05	No	4.73	YES
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Chrysene	4.7	mg/kg		Y	1.6		86.05	No	4.73	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Chrysene	4	mg/kg	J	Y	0.97		86.05	No	4.73	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Chrysene	3.9	mg/kg		Y	1.8		86.05	No	4.73	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Chrysene	3.8	mg/kg		Y	1.4		86.05	No	4.73	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Chrysene	3.1	mg/kg		Y	0.8		86.05	No	4.73	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Chrysene	2.8	mg/kg		Y	2.4		86.05	No	4.73	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Chrysene	2.5	mg/kg		Y	0.71		86.05	No	4.73	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Chrysene	2.5	mg/kg	J	Y	0.96		86.05	No	4.73	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Chrysene	2.4	mg/kg	J	Y	3.6		86.05	No	4.73	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Chrysene	2.1	mg/kg		Y	0.37		86.05	No	4.73	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Chrysene	2.1	mg/kg		Y	1		86.05	No	4.73	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Chrysene	2.1	mg/kg		Y	1.8		86.05	No	4.73	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Chrysene	1.8	mg/kg		Y	0.79		86.05	No	4.73	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Chrysene	1.7	mg/kg		Y	0.35		86.05	No	4.73	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Chrysene	1.7	mg/kg	J	Y	3.7		86.05	No	4.73	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Chrysene	1.7	mg/kg		Y	0.36		86.05	No	4.73	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Chrysene	1.6	mg/kg		Y	0.39		86.05	No	4.73	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Chrysene	1.4	mg/kg	J	Y	1.9		86.05	No	4.73	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Chrysene	1.3	mg/kg	J	Y	3.6		86.05	No	4.73	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Chrysene	1.3	mg/kg	J	Y	1.5		86.05	No	4.73	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Chrysene	1.2	mg/kg		Y	0.35		86.05	No	4.73	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Chrysene	1.2	mg/kg		Y	0.35		86.05	No	4.73	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Chrysene	1.2	mg/kg		Y	0.39		86.05	No	4.73	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Chrysene	1.2	mg/kg		Y	0.45		86.05	No	4.73	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Chrysene	1.1	mg/kg	J	Y	3.5		86.05	No	4.73	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Chrysene	1	mg/kg		Y	0.36		86.05	No	4.73	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Chrysene	0.96	mg/kg	J	Y	1.9		86.05	No	4.73	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Chrysene	0.94	mg/kg		Y	0.36		86.05	No	4.73	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Chrysene	0.93	mg/kg		Y	0.41		86.05	No	4.73	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Chrysene	0.89	mg/kg		Y	0.39		86.05	No	4.73	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Chrysene	0.82	mg/kg	J	Y	1.8		86.05	No	4.73	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Chrysene	0.78	mg/kg	J	Y	1.7		86.05	No	4.73	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Chrysene	0.76	mg/kg		Y	0.35		86.05	No	4.73	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Chrysene	0.75	mg/kg	J	Y	1.8		86.05	No	4.73	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Chrysene	0.73	mg/kg		Y	0.37		86.05	No	4.73	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Chrysene	0.73	mg/kg	J	Y	1.8		86.05	No	4.73	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Chrysene	0.68	mg/kg	J	Y	1.8		86.05	No	4.73	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Chrysene	0.65	mg/kg		Y	0.41		86.05	No	4.73	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Chrysene	0.64	mg/kg		Y	0.4		86.05	No	4.73	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Chrysene	0.61	mg/kg		Y	0.51		86.05	No	4.73	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Chrysene	0.57	mg/kg	J	Y	0.38		86.05	No	4.73	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Chrysene	0.57	mg/kg		Y	0.43		86.05	No	4.73	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Chrysene	0.56	mg/kg		Y	0.37		86.05	No	4.73	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Chrysene	0.55	mg/kg		Y	0.44		86.05	No	4.73	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Chrysene	0.54	mg/kg		Y	0.37		86.05	No	4.73	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Chrysene	0.52	mg/kg		Y	0.42		86.05	No	4.73	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Chrysene	0.51	mg/kg		Y	0.5		86.05	No	4.73	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Chrysene	0.49	mg/kg		Y	0.44		86.05	No	4.73	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Chrysene	0.45	mg/kg		Y	0.41		86.05	No	4.73	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Chrysene	0.43	mg/kg		Y	0.42		86.05	No	4.73	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Chrysene	0.42	mg/kg	J	Y	0.71		86.05	No	4.73	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Chrysene	0.42	mg/kg	J	Y	0.43		86.05	No	4.73	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Chrysene	0.38	mg/kg	J	Y	0.43		86.05	No	4.73	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Chrysene	0.37	mg/kg		Y	0.35		86.05	No	4.73	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Chrysene	0.32	mg/kg	J	Y	0.93		86.05	No	4.73	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Chrysene	0.29	mg/kg	J	Y	0.44		86.05	No	4.73	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Chrysene	0.28	mg/kg	J	Y	0.36		86.05	No	4.73	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Chrysene	0.28	mg/kg	J	Y	0.35		86.05	No	4.73	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Chrysene	0.28	mg/kg	J	Y	0.41		86.05	No	4.73	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Chrysene	0.25	mg/kg	J	Y	0.36		86.05	No	4.73	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Chrysene	0.25	mg/kg	J	Y	0.38		86.05	No	4.73	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Chrysene	0.24	mg/kg	J	Y	0.4		86.05	No	4.73	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Chrysene	0.22	mg/kg	J	Y	1.8		86.05	No	4.73	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Chrysene	0.22	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Chrysene	0.21	mg/kg	J	Y	0.36		86.05	No	4.73	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Chrysene	0.2	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Chrysene	0.2	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Chrysene	0.2	mg/kg	J	Y	0.37		86.05	No	4.73	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Chrysene	0.2	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Chrysene	0.16	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Chrysene	0.15	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Chrysene	0.14	mg/kg	J	Y	0.39		86.05	No	4.73	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Chrysene	0.14	mg/kg	J	Y	0.36		86.05	No	4.73	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Chrysene	0.13	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Chrysene	0.13	mg/kg	J	Y	0.39		86.05	No	4.73	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Chrysene	0.13	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Chrysene	0.12	mg/kg	J	Y	0.35		86.05	No	4.73	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Chrysene	0.12	mg/kg	J	Y	0.35		86.05	No	4.73	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Chrysene	0.12	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Chrysene	0.1	mg/kg	J	Y	0.37		86.05	No	4.73	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Chrysene	0.091	mg/kg	J	Y	0.43		86.05	No	4.73	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Chrysene	0.087	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Chrysene	0.084	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Chrysene	0.084	mg/kg	J	Y	0.36		86.05	No	4.73	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Chrysene	0.08[illegible]	mg/kg	J	Y	0.34		86.05	No	4.73	N[illegible]

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PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Chrysene	0.081	mg/kg	J	Y	0.74		86.05	No	4.73	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Chrysene	0.08	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Chrysene	0.079	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Chrysene	0.075	mg/kg	J	Y	0.41		86.05	No	4.73	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Chrysene	0.071	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Chrysene	0.071	mg/kg	J	Y	0.37		86.05	No	4.73	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Chrysene	0.064	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Chrysene	0.058	mg/kg	J	Y	0.36		86.05	No	4.73	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Chrysene	0.056	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Chrysene	0.053	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Chrysene	0.051	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Chrysene	0.048	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Chrysene	0.048	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Chrysene	0.045	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Chrysene	0.043	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Chrysene	0.042	mg/kg	J	Y	0.37		86.05	No	4.73	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Chrysene	0.041	mg/kg	J	Y	0.4		86.05	No	4.73	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Chrysene	0.04	mg/kg	J	Y	0.38		86.05	No	4.73	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Chrysene	0.038	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Chrysene	8.9	mg/kg	U	N	8.9	4.45	86.05	No	4.73	YES
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Chrysene	3.7	mg/kg	U	N	3.7	1.85	86.05	No	4.73	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Chrysene	3.7	mg/kg	U	N	3.7	1.85	86.05	No	4.73	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Chrysene	3.7	mg/kg	U	N	3.7	1.85	86.05	No	4.73	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Chrysene	3.6	mg/kg	U	N	3.6	1.8	86.05	No	4.73	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Chrysene	3.6	mg/kg	U	N	3.6	1.8	86.05	No	4.73	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Chrysene	1.9	mg/kg	U	N	1.9	0.95	86.05	No	4.73	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Chrysene	1.8	mg/kg	U	N	1.8	0.9	86.05	No	4.73	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Chrysene	1.8	mg/kg	U	N	1.8	0.9	86.05	No	4.73	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Chrysene	1.8	mg/kg	U	N	1.8	0.9	86.05	No	4.73	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Chrysene	0.73	mg/kg	U	N	0.73	0.365	86.05	No	4.73	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Chrysene	0.44	mg/kg	U	N	0.44	0.22	86.05	No	4.73	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Chrysene	0.44	mg/kg	U	N	0.44	0.22	86.05	No	4.73	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Chrysene	0.42	mg/kg	U	N	0.42	0.21	86.05	No	4.73	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Chrysene	0.42	mg/kg	U	N	0.42	0.21	86.05	No	4.73	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Chrysene	0.41	mg/kg	U	N	0.41	0.205	86.05	No	4.73	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Chrysene	0.41	mg/kg	U	N	0.41	0.205	86.05	No	4.73	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Chrysene	0.41	mg/kg	U	N	0.41	0.205	86.05	No	4.73	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Chrysene	0.4	mg/kg	U	N	0.4	0.2	86.05	No	4.73	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Chrysene	0.4	mg/kg	U	N	0.4	0.2	86.05	No	4.73	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Chrysene	0.4	mg/kg	U	N	0.4	0.2	86.05	No	4.73	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Chrysene	0.39	mg/kg	UJ	N	0.39	0.195	86.05	No	4.73	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Chrysene	0.38	mg/kg	U	N	0.38	0.19	86.05	No	4.73	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Chrysene	0.38	mg/kg	U	N	0.38	0.19	86.05	No	4.73	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Chrysene	0.38	mg/kg	U	N	0.38	0.19	86.05	No	4.73	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Chrysene	0.38	mg/kg	U	N	0.38	0.19	86.05	No	4.73	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Chrysene	0.38	mg/kg	UJ	N	0.38	0.19	86.05	No	4.73	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Chrysene	0.38	mg/kg	U	N	0.38	0.19	86.05	No	4.73	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Chrysene	0.37	mg/kg	UJ	N	0.37	0.185	86.05	No	4.73	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Chrysene	0.36	mg/kg	U	N	0.36	0.18	86.05	No	4.73	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Chrysene	0.36	mg/kg	U	N	0.36	0.18	86.05	No	4.73	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Chrysene	0.36	mg/kg	U	N	0.36	0.18	86.05	No	4.73	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No

Chrysene Total Number of Results: **166**

No. >MDL:	119	72%	**Range**	27.000	0.038	**Mean**	2.116	Overall	
No. <MDL:	47	28%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.522	Mean:	1.665

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Dibenz(a,h)anthracene	4.7	mg/kg	J	Y	3.8		0.09	YES	18.4	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Dibenz(a,h)anthracene	2.6	mg/kg	J	Y	3.7		0.09	YES	18.4	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Dibenz(a,h)anthracene	2	mg/kg		Y	1.8		0.09	YES	18.4	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Dibenz(a,h)anthracene	1.8	mg/kg	J	Y	3.8		0.09	YES	18.4	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Dibenz(a,h)anthracene	1.7	mg/kg	J	Y	11		0.09	YES	18.4	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Dibenz(a,h)anthracene	1.4	mg/kg	J	Y	3.5		0.09	YES	18.4	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Dibenz(a,h)anthracene	1.4	mg/kg	J	Y	1.8		0.09	YES	18.4	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Dibenz(a,h)anthracene	1.4	mg/kg	J	Y	1.8		0.09	YES	18.4	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Dibenz(a,h)anthracene	1.3	mg/kg		Y	0.4		0.09	YES	18.4	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Dibenz(a,h)anthracene	1.2	mg/kg	J	Y	3.7		0.09	YES	18.4	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Dibenz(a,h)anthracene	1.2	mg/kg	J	Y	4.7		0.09	YES	18.4	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Dibenz(a,h)anthracene	1	mg/kg	J	Y	3.9		0.09	YES	18.4	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Dibenz(a,h)anthracene	1	mg/kg	J	Y	0.97		0.09	YES	18.4	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Dibenz(a,h)anthracene	1	mg/kg	J	Y	1.6		0.09	YES	18.4	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Dibenz(a,h)anthracene	0.93	mg/kg		Y	0.71		0.09	YES	18.4	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Dibenz(a,h)anthracene	0.92	mg/kg		Y	0.39		0.09	YES	18.4	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Dibenz(a,h)anthracene	0.92	mg/kg	J	Y	3		0.09	YES	18.4	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Dibenz(a,h)anthracene	0.83	mg/kg	J	Y	3.5		0.09	YES	18.4	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Dibenz(a,h)anthracene	0.79	mg/kg	J	Y	0.96		0.09	YES	18.4	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Dibenz(a,h)anthracene	0.79	mg/kg	J	Y	1.8		0.09	YES	18.4	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Dibenz(a,h)anthracene	0.68	mg/kg	J	Y	3.6		0.09	YES	18.4	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Dibenz(a,h)anthracene	0.65	mg/kg	J	Y	1.8		0.09	YES	18.4	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Dibenz(a,h)anthracene	0.57	mg/kg	J	Y	1.4		0.09	YES	18.4	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Dibenz(a,h)anthracene	0.56	mg/kg	J	Y	3.6		0.09	YES	18.4	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Dibenz(a,h)anthracene	0.55	mg/kg		Y	0.39		0.09	YES	18.4	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Dibenz(a,h)anthracene	0.5	mg/kg	J	Y	1.5		0.09	YES	18.4	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Dibenz(a,h)anthracene	0.49	mg/kg	J	Y	3.6		0.09	YES	18.4	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Dibenz(a,h)anthracene	0.47	mg/kg	J	Y	3.6		0.09	YES	18.4	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Dibenz(a,h)anthracene	0.42	mg/kg	J	Y	2.4		0.09	YES	18.4	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Dibenz(a,h)anthracene	0.41	mg/kg	J	Y	1.9		0.09	YES	18.4	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	J	Y	1.7		0.09	YES	18.4	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Dibenz(a,h)anthracene	0.36	mg/kg	J	Y	1		0.09	YES	18.4	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Dibenz(a,h)anthracene	0.34	mg/kg	J	Y	0.8		0.09	YES	18.4	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Dibenz(a,h)anthracene	0.31	mg/kg	J	Y	0.79		0.09	YES	18.4	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Dibenz(a,h)anthracene	0.3	mg/kg	J	Y	1.8		0.09	YES	18.4	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Dibenz(a,h)anthracene	0.28	mg/kg	J	Y	1.8		0.09	YES	18.4	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y	0.36		0.09	YES	18.4	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y	0.38		0.09	YES	18.4	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Dibenz(a,h)anthracene	0.26	mg/kg	J	Y	0.35		0.09	YES	18.4	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Dibenz(a,h)anthracene	0.25	mg/kg	J	Y	0.71		0.09	YES	18.4	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	0.37		0.09	YES	18.4	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	0.36		0.09	YES	18.4	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	0.35		0.09	YES	18.4	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Dibenz(a,h)anthracene	0.24	mg/kg	J	Y	1.8		0.09	YES	18.4	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Dibenz(a,h)anthracene	0.23	mg/kg	J	Y	0.37		0.09	YES	18.4	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Dibenz(a,h)anthracene	0.22	mg/kg	J	Y	1.9		0.09	YES	18.4	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Dibenz(a,h)anthracene	0.21	mg/kg	J	Y	0.5		0.09	YES	18.4	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Dibenz(a,h)anthracene	0.2	mg/kg	J	Y	0.51		0.09	YES	18.4	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Dibenz(a,h)anthracene	0.19	mg/kg	J	Y	0.41		0.09	YES	18.4	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Dibenz(a,h)anthracene	0.19	mg/kg	J	Y	0.43		0.09	YES	18.4	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Dibenz(a,h)anthracene	0.16	mg/kg	J	Y	0.36		0.09	YES	18.4	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Dibenz(a,h)anthracene	0.16	mg/kg	J	Y	0.37		0.09	YES	18.4	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Dibenz(a,h)anthracene	0.15	mg/kg	J	Y	0.43		0.09	YES	18.4	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Dibenz(a,h)anthracene	0.15	mg/kg	J	Y	0.45		0.09	YES	18.4	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Dibenz(a,h)anthracene	0.14	mg/kg	J	Y	0.37		0.09	YES	18.4	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Dibenz(a,h)anthracene	0.13	mg/kg	J	Y	0.38		0.09	YES	18.4	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Dibenz(a,h)anthracene	0.12	mg/kg	J	Y	0.39		0.09	YES	18.4	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Dibenz(a,h)anthracene	0.11	mg/kg	J	Y	0.37		0.09	YES	18.4	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Dibenz(a,h)anthracene	0.11	mg/kg	J	Y	0.41		0.09	YES	18.4	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Dibenz(a,h)anthracene	0.11	mg/kg	J	Y	0.44		0.09	YES	18.4	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Dibenz(a,h)anthracene	0.097	mg/kg	J	Y	0.35		0.09	YES	18.4	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Dibenz(a,h)anthracene	0.096	mg/kg	J	Y	0.35		0.09	YES	18.4	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Dibenz(a,h)anthracene	0.094	mg/kg	J	Y	0.4		0.09	YES	18.4	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y	0.36		0.09	YES	18.4	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y	0.39		0.09	YES	18.4	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Dibenz(a,h)anthracene	0.078	mg/kg	J	Y	0.44		0.09	No	18.4	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y	0.42		0.09	No	18.4	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Dibenz(a,h)anthracene	0.074	mg/kg	J	Y	0.42		0.09	No	18.4	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Dibenz(a,h)anthracene	0.069	mg/kg	J	Y	0.41		0.09	No	18.4	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Dibenz(a,h)anthracene	0.068	mg/kg	J	Y	0.41		0.09	No	18.4	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Dibenz(a,h)anthracene	0.067	mg/kg	J	Y	0.43		0.09	No	18.4	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Dibenz(a,h)anthracene	0.064	mg/kg	J	Y	0.38		0.09	No	18.4	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Dibenz(a,h)anthracene	0.062	mg/kg	J	Y	0.36		0.09	No	18.4	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Dibenz(a,h)anthracene	0.062	mg/kg	J	Y	0.39		0.09	No	18.4	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Dibenz(a,h)anthracene	0.052	mg/kg	J	Y	0.38		0.09	No	18.4	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Dibenz(a,h)anthracene	0.051	mg/kg	J	Y	0.36		0.09	No	18.4	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Dibenz(a,h)anthracene	0.047	mg/kg	J	Y	0.35		0.09	No	18.4	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Dibenz(a,h)anthracene	0.045	mg/kg	J	Y	0.39		0.09	No	18.4	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Dibenz(a,h)anthracene	0.044	mg/kg	J	Y	0.39		0.09	No	18.4	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Dibenz(a,h)anthracene	0.037	mg/kg	J	Y	0.39		0.09	No	18.4	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y	0.35		0.09	No	18.4	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y	0.35		0.09	No	18.4	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Dibenz(a,h)anthracene	0.035	mg/kg	J	Y	0.37		0.09	No	18.4	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Dibenz(a,h)anthracene	14	mg/kg	U	N	14	7	0.09	YES	18.4	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Dibenz(a,h)anthracene	8.9	mg/kg	U	N	8.9	4.45	0.09	YES	18.4	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Dibenz(a,h)anthracene	3.7	mg/kg	U	N	3.7	1.85	0.09	YES	18.4	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Dibenz(a,h)anthracene	3.7	mg/kg	U	N	3.7	1.85	0.09	YES	18.4	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Dibenz(a,h)anthracene	3.7	mg/kg	U	N	3.7	1.85	0.09	YES	18.4	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.09	YES	18.4	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.09	YES	18.4	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Dibenz(a,h)anthracene	1.9	mg/kg	U	N	1.9	0.95	0.09	YES	18.4	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.09	YES	18.4	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.09	YES	18.4	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.09	YES	18.4	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.09	YES	18.4	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Dibenz(a,h)anthracene	1.8	mg/kg	U	N	1.8	0.9	0.09	YES	18.4	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Dibenz(a,h)anthracene	0.93	mg/kg	R	N	0.93	0.465	0.09	YES	18.4	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Dibenz(a,h)anthracene	0.74	mg/kg	U	N	0.74	0.37	0.09	YES	18.4	No
PP[illegible]85-GP06	SS	KN0013	1-Feb-99	YES	Dibenz(a,h)anthracene	0.[illegible]	mg/kg	U	N	0.73	0.365	0.09	YES	18.4	[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.09	YES	18.4	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.09	YES	18.4	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.09	YES	18.4	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43	0.215	0.09	YES	18.4	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.09	YES	18.4	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.09	YES	18.4	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.09	YES	18.4	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.09	YES	18.4	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.09	YES	18.4	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Dibenz(a,h)anthracene	0.41	mg/kg	U	N	0.41	0.205	0.09	YES	18.4	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	YES	18.4	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	YES	18.4	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	YES	18.4	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Dibenz(a,h)anthracene	0.4	mg/kg	R	N	0.4	0.2	0.09	YES	18.4	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	YES	18.4	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	UJ	N	0.39	0.195	0.09	YES	18.4	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	UJ	N	0.39	0.195	0.09	YES	18.4	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	YES	18.4	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N	0.38	0.19	0.09	YES	18.4	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	YES	18.4	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N	0.37	0.185	0.09	YES	18.4	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	YES	18.4	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	YES	18.4	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	YES	18.4	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	YES	18.4	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	YES	18.4	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	YES	18.4	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	YES	18.4	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	YES	18.4	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34	0.17	0.09	YES	18.4	No

Dibenz(a,h)anthracene Total Number of Results: **166**

No. >MDL:	83	50%	**Range**	4.700	0.035	**Mean**	0.508	Overall	
No. <MDL:	83	50%	(1/2 DL):	7.000	0.170	(1/2 DL):	0.482	Mean:	**0.495**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Fluoranthene	57	mg/kg	J	Y	3.8		308.96	No	0.1	YES
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Fluoranthene	55	mg/kg		Y	14		308.96	No	0.1	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Fluoranthene	53	mg/kg		Y	3.6		308.96	No	0.1	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Fluoranthene	50	mg/kg		Y	4		308.96	No	0.1	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Fluoranthene	44	mg/kg		Y	11		308.96	No	0.1	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Fluoranthene	28	mg/kg		Y	3.7		308.96	No	0.1	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Fluoranthene	26	mg/kg		Y	4.7		308.96	No	0.1	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Fluoranthene	23	mg/kg		Y	3.5		308.96	No	0.1	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Fluoranthene	20	mg/kg		Y	3.9		308.96	No	0.1	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Fluoranthene	18	mg/kg		Y	1.8		308.96	No	0.1	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Fluoranthene	18	mg/kg		Y	3.6		308.96	No	0.1	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Fluoranthene	15	mg/kg		Y	3		308.96	No	0.1	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Fluoranthene	12	mg/kg		Y	3.6		308.96	No	0.1	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Fluoranthene	11	mg/kg		Y	3.8		308.96	No	0.1	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Fluoranthene	11	mg/kg		Y	1.8		308.96	No	0.1	YES
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Fluoranthene	10	mg/kg		Y	1.8		308.96	No	0.1	YES
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Fluoranthene	7.5	mg/kg		Y	2.4		308.96	No	0.1	YES
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Fluoranthene	6.5	mg/kg		Y	1.6		308.96	No	0.1	YES
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Fluoranthene	5.5	mg/kg		Y	1		308.96	No	0.1	YES
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Fluoranthene	5.4	mg/kg		Y	1.4		308.96	No	0.1	YES
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Fluoranthene	4.8	mg/kg		Y	3.6		308.96	No	0.1	YES
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Fluoranthene	4.5	mg/kg	J	Y	0.96		308.96	No	0.1	YES
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Fluoranthene	4.3	mg/kg	J	Y	0.97		308.96	No	0.1	YES
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Fluoranthene	4	mg/kg		Y	0.36		308.96	No	0.1	YES
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Fluoranthene	3.8	mg/kg		Y	0.35		308.96	No	0.1	YES
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Fluoranthene	3.7	mg/kg		Y	0.79		308.96	No	0.1	YES
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Fluoranthene	3.7	mg/kg		Y	1.8		308.96	No	0.1	YES
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Fluoranthene	3.5	mg/kg		Y	1.9		308.96	No	0.1	YES
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Fluoranthene	3.4	mg/kg		Y	0.37		308.96	No	0.1	YES
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Fluoranthene	2.8	mg/kg	J	Y	3.7		308.96	No	0.1	YES
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Fluoranthene	2.5	mg/kg		Y	1.9		308.96	No	0.1	YES
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Fluoranthene	2.5	mg/kg		Y	0.71		308.96	No	0.1	YES
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Fluoranthene	2.2	mg/kg		Y	0.36		308.96	No	0.1	YES
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Fluoranthene	2	mg/kg		Y	0.35		308.96	No	0.1	YES
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Fluoranthene	2	mg/kg		Y	0.41		308.96	No	0.1	YES
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Fluoranthene	2	mg/kg		Y	0.39		308.96	No	0.1	YES
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Fluoranthene	2	mg/kg		Y	1.8		308.96	No	0.1	YES
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Fluoranthene	2	mg/kg		Y	1.8		308.96	No	0.1	YES
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Fluoranthene	1.9	mg/kg		Y	0.8		308.96	No	0.1	YES
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Fluoranthene	1.7	mg/kg		Y	0.37		308.96	No	0.1	YES
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Fluoranthene	1.6	mg/kg	J	Y	1.8		308.96	No	0.1	YES
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Fluoranthene	1.5	mg/kg	J	Y	1.7		308.96	No	0.1	YES
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Fluoranthene	1.4	mg/kg	J	Y	1.8		308.96	No	0.1	YES
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Fluoranthene	1.4	mg/kg	J	Y	3.5		308.96	No	0.1	YES
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Fluoranthene	1.4	mg/kg		Y	0.45		308.96	No	0.1	YES
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Fluoranthene	1.4	mg/kg		Y	0.39		308.96	No	0.1	YES
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Fluoranthene	1.3	mg/kg	J	Y	3.6		308.96	No	0.1	YES
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Fluoranthene	1.3	mg/kg		Y	0.39		308.96	No	0.1	YES
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Fluoranthene	1.2	mg/kg		Y	0.41		308.96	No	0.1	YES
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Fluoranthene	1.1	mg/kg		Y	0.36		308.96	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Fluoranthene	1.1	mg/kg	J	Y	1.5		308.96	No	0.1	YES
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Fluoranthene	1	mg/kg		Y	0.37		308.96	No	0.1	YES
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Fluoranthene	1	mg/kg		Y	0.42		308.96	No	0.1	YES
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Fluoranthene	0.91	mg/kg		Y	0.35		308.96	No	0.1	YES
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Fluoranthene	0.82	mg/kg		Y	0.4		308.96	No	0.1	YES
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Fluoranthene	0.75	mg/kg		Y	0.4		308.96	No	0.1	YES
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Fluoranthene	0.68	mg/kg		Y	0.41		308.96	No	0.1	YES
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Fluoranthene	0.6	mg/kg		Y	0.36		308.96	No	0.1	YES
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Fluoranthene	0.6	mg/kg	J	Y	0.93		308.96	No	0.1	YES
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Fluoranthene	0.6	mg/kg		Y	0.44		308.96	No	0.1	YES
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Fluoranthene	0.59	mg/kg		Y	0.41		308.96	No	0.1	YES
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Fluoranthene	0.57	mg/kg		Y	0.37		308.96	No	0.1	YES
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Fluoranthene	0.56	mg/kg		Y	0.35		308.96	No	0.1	YES
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Fluoranthene	0.53	mg/kg		Y	0.51		308.96	No	0.1	YES
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Fluoranthene	0.53	mg/kg		Y	0.43		308.96	No	0.1	YES
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Fluoranthene	0.52	mg/kg		Y	0.43		308.96	No	0.1	YES
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Fluoranthene	0.5	mg/kg		Y	0.38		308.96	No	0.1	YES
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Fluoranthene	0.47	mg/kg		Y	0.35		308.96	No	0.1	YES
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Fluoranthene	0.46	mg/kg		Y	0.42		308.96	No	0.1	YES
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Fluoranthene	0.45	mg/kg	J	Y	3.7		308.96	No	0.1	YES
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Fluoranthene	0.44	mg/kg	J	Y	0.38		308.96	No	0.1	YES
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Fluoranthene	0.44	mg/kg		Y	0.44		308.96	No	0.1	YES
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Fluoranthene	0.43	mg/kg	J	Y	0.5		308.96	No	0.1	YES
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Fluoranthene	0.4	mg/kg	J	Y	0.43		308.96	No	0.1	YES
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Fluoranthene	0.37	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Fluoranthene	0.36	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Fluoranthene	0.36	mg/kg		Y	0.35		308.96	No	0.1	YES
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Fluoranthene	0.35	mg/kg	J	Y	0.38		308.96	No	0.1	YES
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Fluoranthene	0.34	mg/kg	J	Y	0.71		308.96	No	0.1	YES
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Fluoranthene	0.29	mg/kg	J	Y	0.38		308.96	No	0.1	YES
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Fluoranthene	0.27	mg/kg	J	Y	0.36		308.96	No	0.1	YES
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Fluoranthene	0.27	mg/kg	J	Y	0.41		308.96	No	0.1	YES
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Fluoranthene	0.26	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Fluoranthene	0.23	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Fluoranthene	0.21	mg/kg	J	Y	0.36		308.96	No	0.1	YES
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Fluoranthene	0.2	mg/kg	J	Y	0.35		308.96	No	0.1	YES
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Fluoranthene	0.19	mg/kg	J	Y	0.44		308.96	No	0.1	YES
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Fluoranthene	0.18	mg/kg	J	Y	0.37		308.96	No	0.1	YES
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Fluoranthene	0.17	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Fluoranthene	0.17	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Fluoranthene	0.17	mg/kg	J	Y	0.37		308.96	No	0.1	YES
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Fluoranthene	0.17	mg/kg	J	Y	0.37		308.96	No	0.1	YES
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Fluoranthene	0.16	mg/kg	J	Y	0.38		308.96	No	0.1	YES
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Fluoranthene	0.15	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Fluoranthene	0.15	mg/kg	J	Y	0.36		308.96	No	0.1	YES
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Fluoranthene	0.15	mg/kg	J	Y	0.34		308.96	No	0.1	YES
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Fluoranthene	0.13	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Fluoranthene	0.13	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Fluoranthene	0.13	mg/kg	J	Y	0.39		308.96	No	0.1	YES
F[illegible]3-MW03	SS	CD0051	16-Nov-99	YES	Fluoranthene	0.1[illegible]	mg/kg	J	Y	0.39		308.96	No	0.1	Y[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Fluoranthene	0.12	mg/kg	J	Y	0.36		308.96	No	0.1	YES
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Fluoranthene	0.11	mg/kg	J	Y	0.41		308.96	No	0.1	YES
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Fluoranthene	0.11	mg/kg	J	Y	0.37		308.96	No	0.1	YES
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Fluoranthene	0.11	mg/kg	J	Y	0.37		308.96	No	0.1	YES
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Fluoranthene	0.11	mg/kg	J	Y	0.43		308.96	No	0.1	YES
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Fluoranthene	0.1	mg/kg	J	Y	0.36		308.96	No	0.1	YES
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Fluoranthene	0.095	mg/kg	J	Y	0.39		308.96	No	0.1	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Fluoranthene	0.09	mg/kg	J	Y	0.38		308.96	No	0.1	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Fluoranthene	0.082	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Fluoranthene	0.081	mg/kg	J	Y	0.41		308.96	No	0.1	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Fluoranthene	0.081	mg/kg	J	Y	0.38		308.96	No	0.1	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Fluoranthene	0.081	mg/kg	J	Y	0.73		308.96	No	0.1	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Fluoranthene	0.064	mg/kg	J	Y	0.35		308.96	No	0.1	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Fluoranthene	0.058	mg/kg	J	Y	0.35		308.96	No	0.1	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Fluoranthene	0.053	mg/kg	J	Y	0.37		308.96	No	0.1	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Fluoranthene	0.053	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Fluoranthene	0.048	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Fluoranthene	0.046	mg/kg	J	Y	0.4		308.96	No	0.1	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Fluoranthene	0.044	mg/kg	J	Y	0.38		308.96	No	0.1	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Fluoranthene	0.044	mg/kg	J	Y	0.38		308.96	No	0.1	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Fluoranthene	0.041	mg/kg	J	Y	0.35		308.96	No	0.1	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Fluoranthene	0.037	mg/kg	J	Y	0.37		308.96	No	0.1	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Fluoranthene	0.026	mg/kg	J	Y	0.36		308.96	No	0.1	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Fluoranthene	8.9	mg/kg	U	N	8.9	4.45	308.96	No	0.1	YES
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Fluoranthene	3.7	mg/kg	U	N	3.7	1.85	308.96	No	0.1	YES
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Fluoranthene	3.7	mg/kg	U	N	3.7	1.85	308.96	No	0.1	YES
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Fluoranthene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	0.1	YES
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Fluoranthene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	0.1	YES
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Fluoranthene	1.9	mg/kg	U	N	1.9	0.95	308.96	No	0.1	YES
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Fluoranthene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	0.1	YES
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Fluoranthene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	0.1	YES
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Fluoranthene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	0.1	YES
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Fluoranthene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	0.1	YES
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Fluoranthene	0.74	mg/kg	U	N	0.74	0.37	308.96	No	0.1	YES
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Fluoranthene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	0.1	YES
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Fluoranthene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	0.1	YES
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Fluoranthene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	0.1	YES
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Fluoranthene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	0.1	YES
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Fluoranthene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	0.1	YES
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Fluoranthene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	0.1	YES
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Fluoranthene	0.4	mg/kg	R	N	0.4	0.2	308.96	No	0.1	YES
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Fluoranthene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	0.1	YES
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Fluoranthene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	0.1	YES
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Fluoranthene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	0.1	YES
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Fluoranthene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	0.1	YES
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Fluoranthene	0.39	mg/kg	UJ	N	0.39	0.195	308.96	No	0.1	YES
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Fluoranthene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	0.1	YES
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Fluoranthene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	0.1	YES
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Fluoranthene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Fluoranthene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	0.1	YES
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	308.96	No	0.1	YES
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Fluoranthene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	0.1	YES
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	308.96	No	0.1	YES
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	YES
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Fluoranthene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	0.1	YES
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Fluoranthene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	0.1	YES
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	YES
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	YES
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	YES
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	YES

Fluoranthene	Total Number of Results:	**166**	**No. >MDL:**	123	74%	**Range**	57.000	0.026	**Mean**	4.643	Overall
			No. <MDL:	43	26%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.530	Mean: 3.578

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Fluorene	16	mg/kg		Y	4		308.96	No	122	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Fluorene	16	mg/kg		Y	11		308.96	No	122	No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Fluorene	15	mg/kg		Y	14		308.96	No	122	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Fluorene	12	mg/kg		Y	1.8		308.96	No	122	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Fluorene	8.9	mg/kg		Y	3.7		308.96	No	122	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Fluorene	6.1	mg/kg		Y	3.6		308.96	No	122	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Fluorene	5.2	mg/kg		Y	3.9		308.96	No	122	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Fluorene	4.6	mg/kg	J	Y	4.7		308.96	No	122	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Fluorene	2.8	mg/kg		Y	1.8		308.96	No	122	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Fluorene	2.3	mg/kg	J	Y	3		308.96	No	122	No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Fluorene	2	mg/kg	J	Y	3.8		308.96	No	122	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Fluorene	1.7	mg/kg	J	Y	3.6		308.96	No	122	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Fluorene	1.7	mg/kg	J	Y	1.8		308.96	No	122	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Fluorene	1.2	mg/kg	J	Y	3.5		308.96	No	122	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Fluorene	0.75	mg/kg	J	Y	1.8		308.96	No	122	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Fluorene	0.7	mg/kg		Y	0.35		308.96	No	122	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Fluorene	0.68	mg/kg	J	Y	1		308.96	No	122	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Fluorene	0.57	mg/kg	J	Y	1.9		308.96	No	122	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Fluorene	0.56	mg/kg	J	Y	1.8		308.96	No	122	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Fluorene	0.52	mg/kg	J	Y	3.6		308.96	No	122	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Fluorene	0.48	mg/kg	J	Y	0.96		308.96	No	122	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Fluorene	0.43	mg/kg	J	Y	2.4		308.96	No	122	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Fluorene	0.33	mg/kg	J	Y	0.36		308.96	No	122	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Fluorene	0.26	mg/kg	J	Y	0.35		308.96	No	122	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Fluorene	0.26	mg/kg	J	Y	0.39		308.96	No	122	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Fluorene	0.22	mg/kg	J	Y	0.41		308.96	No	122	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Fluorene	0.22	mg/kg	J	Y	1.8		308.96	No	122	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Fluorene	0.15	mg/kg	J	Y	0.79		308.96	No	122	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Fluorene	0.13	mg/kg	J	Y	0.36		308.96	No	122	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Fluorene	0.13	mg/kg	J	Y	0.37		308.96	No	122	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Fluorene	0.13	mg/kg	J	Y	0.4		308.96	No	122	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Fluorene	0.093	mg/kg	J	Y	0.35		308.96	No	122	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Fluorene	0.089	mg/kg	J	Y	0.37		308.96	No	122	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Fluorene	0.078	mg/kg	J	Y	0.35		308.96	No	122	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Fluorene	0.078	mg/kg	J	Y	0.42		308.96	No	122	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Fluorene	0.077	mg/kg	J	Y	0.37		308.96	No	122	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Fluorene	0.066	mg/kg	J	Y	0.37		308.96	No	122	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Fluorene	0.047	mg/kg	J	Y	0.41		308.96	No	122	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Fluorene	8.9	mg/kg	U	N	8.9	4.45	308.96	No	122	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Fluorene	3.8	mg/kg	U	N	3.8	1.9	308.96	No	122	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Fluorene	3.7	mg/kg	U	N	3.7	1.85	308.96	No	122	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Fluorene	3.7	mg/kg	U	N	3.7	1.85	308.96	No	122	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Fluorene	3.7	mg/kg	U	N	3.7	1.85	308.96	No	122	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Fluorene	3.7	mg/kg	U	N	3.7	1.85	308.96	No	122	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Fluorene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	122	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Fluorene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	122	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Fluorene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	122	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Fluorene	3.5	mg/kg	U	N	3.5	1.75	308.96	No	122	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Fluorene	1.9	mg/kg	U	N	1.9	0.95	308.96	No	122	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Fluorene	1.9	mg/kg	U	N	1.9	0.95	308.96	No	122	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Fluorene	1.8	mg/kg	U	N	1.8	0.9	308.96	No	122	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Fluorene	1.7	mg/kg	U	N	1.7	0.85	308.96	No	122	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Fluorene	1.6	mg/kg	U	N	1.6	0.8	308.96	No	122	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Fluorene	1.5	mg/kg	R	N	1.5	0.75	308.96	No	122	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Fluorene	1.4	mg/kg	U	N	1.4	0.7	308.96	No	122	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Fluorene	0.97	mg/kg	R	N	0.97	0.485	308.96	No	122	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Fluorene	0.93	mg/kg	R	N	0.93	0.465	308.96	No	122	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Fluorene	0.8	mg/kg	U	N	0.8	0.4	308.96	No	122	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Fluorene	0.74	mg/kg	U	N	0.74	0.37	308.96	No	122	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Fluorene	0.73	mg/kg	U	N	0.73	0.365	308.96	No	122	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Fluorene	0.71	mg/kg	U	N	0.71	0.355	308.96	No	122	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Fluorene	0.71	mg/kg	U	N	0.71	0.355	308.96	No	122	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Fluorene	0.51	mg/kg	U	N	0.51	0.255	308.96	No	122	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Fluorene	0.5	mg/kg	U	N	0.5	0.25	308.96	No	122	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Fluorene	0.45	mg/kg	U	N	0.45	0.225	308.96	No	122	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Fluorene	0.43	mg/kg	U	N	0.43	0.215	308.96	No	122	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Fluorene	0.43	mg/kg	U	N	0.43	0.215	308.96	No	122	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Fluorene	0.43	mg/kg	U	N	0.43	0.215	308.96	No	122	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Fluorene	0.43	mg/kg	U	N	0.43	0.215	308.96	No	122	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Fluorene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	122	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Fluorene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	122	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Fluorene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	122	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Fluorene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	122	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Fluorene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	122	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Fluorene	0.41	mg/kg	U	N	0.41	0.205	308.96	No	122	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Fluorene	0.4	mg/kg	R	N	0.4	0.2	308.96	No	122	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
F[illegible]8-GP08	SS	DB0011	23-Oct-98	YES	Fluorene	0[illegible]	mg/kg	U	N	0.39	0.195	308.96	No	122	

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Fluorene	0.39	mg/kg	UJ	N	0.39	0.195	308.96	No	122	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Fluorene	0.39	mg/kg	UJ	N	0.39	0.195	308.96	No	122	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Fluorene	0.38	mg/kg	UJ	N	0.38	0.19	308.96	No	122	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Fluorene	0.38	mg/kg	R	N	0.38	0.19	308.96	No	122	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Fluorene	0.38	mg/kg	UJ	N	0.38	0.19	308.96	No	122	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Fluorene	0.37	mg/kg	UJ	N	0.37	0.185	308.96	No	122	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Fluorene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	122	No

Fluorene Total Number of Results: **166**

No. >MDL:	38	23%	**Range**	16.000	0.047	**Mean**	2.699	Overall	
No. <MDL:	128	77%	(1/2 DL):	4.450	0.170	(1/2 DL):	0.421	Mean:	**0.942**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Indeno(1,2,3-cd)pyrene	9.6	mg/kg	J	Y	14		0.85	YES	109	No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	9.4	mg/kg	J	Y	3.8		0.85	YES	109	No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Indeno(1,2,3-cd)pyrene	6.9	mg/kg	J	Y	11		0.85	YES	109	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	5.8	mg/kg	J	Y	3.8		0.85	YES	109	No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	5.2	mg/kg		Y	4.7		0.85	YES	109	No
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	4.7	mg/kg		Y	3.7		0.85	YES	109	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Indeno(1,2,3-cd)pyrene	4.2	mg/kg	J	Y	0.97		0.85	YES	109	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	4	mg/kg		Y	1.6		0.85	YES	109	No
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	3.4	mg/kg		Y	1.8		0.85	YES	109	No
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Indeno(1,2,3-cd)pyrene	3.3	mg/kg		Y	3		0.85	YES	109	No
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	2.8	mg/kg	J	Y	3.6		0.85	YES	109	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	2.7	mg/kg		Y	1.8		0.85	YES	109	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Indeno(1,2,3-cd)pyrene	2.7	mg/kg	J	Y	0.96		0.85	YES	109	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Indeno(1,2,3-cd)pyrene	2.4	mg/kg	J	Y	3.5		0.85	YES	109	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	2.3	mg/kg	J	Y	3.7		0.85	YES	109	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Indeno(1,2,3-cd)pyrene	2.3	mg/kg		Y	1.8		0.85	YES	109	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	2	mg/kg		Y	1.4		0.85	YES	109	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.9	mg/kg	J	Y	3.9		0.85	YES	109	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Indeno(1,2,3-cd)pyrene	1.9	mg/kg		Y	0.71		0.85	YES	109	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg		Y	0.39		0.85	YES	109	No
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg		Y	0.4		0.85	YES	109	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	J	Y	1.5		0.85	YES	109	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.7	mg/kg	J	Y	3.5		0.85	YES	109	No
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	1.5	mg/kg		Y	1		0.85	YES	109	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	1.4	mg/kg		Y	0.8		0.85	YES	109	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Indeno(1,2,3-cd)pyrene	1.3	mg/kg	J	Y	2.4		0.85	YES	109	No
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	1.3	mg/kg		Y	0.79		0.85	YES	109	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Indeno(1,2,3-cd)pyrene	1.3	mg/kg	J	Y	1.8		0.85	YES	109	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	1.2	mg/kg	J	Y	0.36		0.85	YES	109	No
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.1	mg/kg		Y	0.39		0.85	YES	109	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1	mg/kg	J	Y	3.6		0.85	YES	109	No
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Indeno(1,2,3-cd)pyrene	1	mg/kg	J	Y	1.8		0.85	YES	109	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.97	mg/kg		Y	0.37		0.85	YES	109	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.94	mg/kg	J	Y	0.38		0.85	YES	109	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.7	mg/kg	J	Y	1.7		0.85	No	109	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.7	mg/kg	J	Y	1.9		0.85	No	109	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.68	mg/kg	J	Y	3.6		0.85	No	109	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.61	mg/kg	J	Y	3.6		0.85	No	109	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.54	mg/kg		Y	0.35		0.85	No	109	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.52	mg/kg		Y	0.4		0.85	No	109	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.51	mg/kg	J	Y	1.8		0.85	No	109	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.51	mg/kg		Y	0.37		0.85	No	109	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.51	mg/kg		Y	0.35		0.85	No	109	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.5	mg/kg	J	Y	0.71		0.85	No	109	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.48	mg/kg		Y	0.45		0.85	No	109	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg	J	Y	1.8		0.85	No	109	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg		Y	0.43		0.85	No	109	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg	J	Y	0.5		0.85	No	109	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.46	mg/kg		Y	0.35		0.85	No	109	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	J	Y	0.51		0.85	No	109	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg		Y	0.39		0.85	No	109	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg		Y	0.36		0.85	No	109	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	J	Y	1.8		0.85	No	109	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	J	Y	1.9		0.85	No	109	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	J	Y	0.43		0.85	No	109	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	J	Y	0.41		0.85	No	109	No
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.32	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.31	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.31	mg/kg	J	Y	0.37		0.85	No	109	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y	0.42		0.85	No	109	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y	0.44		0.85	No	109	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.29	mg/kg	J	Y	0.38		0.85	No	109	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	J	Y	1.8		0.85	No	109	No
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	J	Y	0.44		0.85	No	109	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.25	mg/kg	J	Y	0.41		0.85	No	109	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.24	mg/kg	J	Y	0.42		0.85	No	109	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.41		0.85	No	109	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.19	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.19	mg/kg	J	Y	0.35		0.85	No	109	No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Indeno(1,2,3-cd)pyrene	0.19	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.39		0.85	No	109	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.38		0.85	No	109	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.16	mg/kg	J	Y	0.43		0.85	No	109	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.93		0.85	No	109	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.41		0.85	No	109	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.39		0.85	No	109	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.36		0.85	No	109	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.38		0.85	No	109	No
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.35		0.85	No	109	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.1	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.094	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.09	mg/kg	J	Y	0.38		0.85	No	109	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.09	mg/kg	J	Y	0.4		0.85	No	109	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.087	mg/kg	J	Y	0.36		0.85	No	109	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.081	mg/kg	J	Y	0.43		0.85	No	109	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.078	mg/kg	J	Y	0.39		0.85	No	109	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.076	mg/kg	J	Y	0.44		0.85	No	109	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	J	Y	0.35		0.85	No	109	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.07	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.066	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Indeno(1,2,3-cd)pyrene	0.062	mg/kg	J	Y	0.38		0.85	No	109	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.061	mg/kg	J	Y	0.38		0.85	No	109	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Indeno(1,2,3-cd)pyrene	0.051	mg/kg	J	Y	0.34		0.85	No	109	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.051	mg/kg	J	Y	0.35		0.85	No	109	No
F[illegible]9-GP08	SS	DB0011	23-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.0[illegible]	[illegible]g/kg	J	Y	0.39		0.85	No	109	

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.045	mg/kg	J	Y	0.39		0.85	No	109	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.042	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.35		0.85	No	109	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.036	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.033	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Indeno(1,2,3-cd)pyrene	8.9	mg/kg	U	N	8.9	4.45	0.85	**YES**	109	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Indeno(1,2,3-cd)pyrene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	109	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	109	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Indeno(1,2,3-cd)pyrene	3.7	mg/kg	U	N	3.7	1.85	0.85	**YES**	109	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N	3.6	1.8	0.85	**YES**	109	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N	3.6	1.8	0.85	**YES**	109	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.9	mg/kg	U	N	1.9	0.95	0.85	**YES**	109	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	109	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	109	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	109	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Indeno(1,2,3-cd)pyrene	1.8	mg/kg	U	N	1.8	0.9	0.85	**YES**	109	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Indeno(1,2,3-cd)pyrene	0.74	mg/kg	U	N	0.74	0.37	0.85	No	109	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Indeno(1,2,3-cd)pyrene	0.73	mg/kg	U	N	0.73	0.365	0.85	No	109	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	109	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	109	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	109	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	109	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	109	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	109	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	109	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.41	mg/kg	U	N	0.41	0.205	0.85	No	109	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	R	N	0.4	0.2	0.85	No	109	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	UJ	N	0.39	0.195	0.85	No	109	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	UJ	N	0.38	0.19	0.85	No	109	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	UJ	N	0.37	0.185	0.85	No	109	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	109	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	109	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	109	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No

Indeno(1,2,3-cd)pyrene Total Number of Results: **166**

No. >MDL:	107	64%	**Range**	9.600	0.033	**Mean**	1.079	Overall	
No. <MDL:	59	36%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.469	Mean:	**0.862**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Naphthalene	61	mg/kg		Y	11		155.45	No	0.1	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Naphthalene	1.9	mg/kg	J	Y	3.7		155.45	No	0.1	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Naphthalene	1.5	mg/kg	J	Y	3.6		155.45	No	0.1	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Naphthalene	0.95	mg/kg	J	Y	3		155.45	No	0.1	YES
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Naphthalene	0.49	mg/kg	J	Y	1.8		155.45	No	0.1	YES
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Naphthalene	0.38	mg/kg	J	Y	1		155.45	No	0.1	YES
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Naphthalene	0.37	mg/kg	J	Y	0.79		155.45	No	0.1	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Naphthalene	0.35	mg/kg	J	Y	1.8		155.45	No	0.1	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Naphthalene	0.28	mg/kg	J	Y	0.4		155.45	No	0.1	YES
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Naphthalene	0.25	mg/kg	J	Y	0.39		155.45	No	0.1	YES
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Naphthalene	0.24	mg/kg	J	Y	0.35		155.45	No	0.1	YES
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Naphthalene	0.17	mg/kg	J	Y	0.37		155.45	No	0.1	YES
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Naphthalene	0.16	mg/kg	J	Y	0.35		155.45	No	0.1	YES
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Naphthalene	0.14	mg/kg	J	Y	0.42		155.45	No	0.1	YES
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Naphthalene	0.11	mg/kg	J	Y	0.44		155.45	No	0.1	YES
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Naphthalene	0.087	mg/kg	J	Y	0.0055		155.45	No	0.1	No
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Naphthalene	0.073	mg/kg	J	Y	0.0054		155.45	No	0.1	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Naphthalene	0.055	mg/kg	J	Y	0.38		155.45	No	0.1	No
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Naphthalene	0.05	mg/kg	J	Y	0.35		155.45	No	0.1	No
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Naphthalene	0.027	mg/kg	J	Y	0.0059		155.45	No	0.1	No
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Naphthalene	0.02	mg/kg	J	Y	0.0055		155.45	No	0.1	No
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Naphthalene	0.016	mg/kg	J	Y	0.0054		155.45	No	0.1	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Naphthalene	0.014	mg/kg	J	Y	0.0058		155.45	No	0.1	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Naphthalene	0.0067	mg/kg	J	Y	0.0059		155.45	No	0.1	No
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Naphthalene	0.0062	mg/kg	J	Y	0.0057		155.45	No	0.1	No
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Naphthalene	0.006	mg/kg	J	Y	0.0054		155.45	No	0.1	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Naphthalene	0.0052	mg/kg	J	Y	0.0061		155.45	No	0.1	No
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Naphthalene	0.0047	mg/kg	J	Y	0.0053		155.45	No	0.1	No
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Naphthalene	0.0044	mg/kg	J	Y	0.0061		155.45	No	0.1	No
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Naphthalene	0.0044	mg/kg	J	Y	0.0062		155.45	No	0.1	No
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Naphthalene	0.0043	mg/kg	J	Y	0.0054		155.45	No	0.1	No
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Naphthalene	0.0037	mg/kg	J	Y	0.0055		155.45	No	0.1	No
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Naphthalene	0.0035	mg/kg	J	Y	0.0054		155.45	No	0.1	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Naphthalene	0.0033	mg/kg	B	Y	0.0054		155.45	No	0.1	No
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Naphthalene	0.0031	mg/kg	J	Y	0.0054		155.45	No	0.1	No
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Naphthalene	0.003	mg/kg	J	Y	0.0055		155.45	No	0.1	No
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Naphthalene	0.0027	mg/kg	J	Y	0.0057		155.45	No	0.1	No
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Naphthalene	0.0024	mg/kg	J	Y	0.0054		155.45	No	0.1	No
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Naphthalene	0.0023	mg/kg	J	Y	0.0055		155.45	No	0.1	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Naphthalene	0.0015	mg/kg	J	Y	0.0062		155.45	No	0.1	No
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Naphthalene	0.0013	mg/kg	J	Y	0.006		155.45	No	0.1	No
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Naphthalene	0.0077	mg/kg	UJ	N	0.0077	0.0039	155.45	No	0.1	No
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Naphthalene	0.0075	mg/kg	UJ	N	0.0075	0.0038	155.45	No	0.1	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Naphthalene	0.0071	mg/kg	UJ	N	0.0071	0.0036	155.45	No	0.1	No
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Naphthalene	0.0068	mg/kg	UJ	N	0.0068	0.0034	155.45	No	0.1	No
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067	0.0034	155.45	No	0.1	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067	0.0034	155.45	No	0.1	No
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067	0.0034	155.45	No	0.1	No
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066	0.0033	155.45	No	0.1	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064	0.0032	155.45	No	0.1	No
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063	0.0032	155.45	No	0.1	No
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Naphthalene	0.0063	mg/kg	U	N	0.0063	0.0032	155.45	No	0.1	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Naphthalene	0.0063	mg/kg	U	N	0.0063	0.0032	155.45	No	0.1	No
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063	0.0032	155.45	No	0.1	No
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062	0.0031	155.45	No	0.1	No
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062	0.0031	155.45	No	0.1	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062	0.0031	155.45	No	0.1	No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Naphthalene	0.0062	mg/kg	UJ	N	0.0062	0.0031	155.45	No	0.1	No
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Naphthalene	0.0061	mg/kg	U	N	0.0061	0.0031	155.45	No	0.1	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Naphthalene	0.0061	mg/kg	U	N	0.0061	0.0031	155.45	No	0.1	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006	0.003	155.45	No	0.1	No
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006	0.003	155.45	No	0.1	No
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006	0.003	155.45	No	0.1	No
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Naphthalene	0.0059	mg/kg	U	N	0.0059	0.003	155.45	No	0.1	No
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Naphthalene	0.0058	mg/kg	U	N	0.0058	0.0029	155.45	No	0.1	No
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Naphthalene	0.0058	mg/kg	U	N	0.0058	0.0029	155.45	No	0.1	No
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
P[illegible]-75-GP26	SS	KJ0051	21-Jan-99	YES	Naphthalene	0.00[illegible]	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Naphthalene	0.0057	mg/kg	U	N	0.0057	0.0029	155.45	No	0.1	No
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Naphthalene	0.0056	mg/kg	U	N	0.0056	0.0028	155.45	No	0.1	No
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Naphthalene	0.0056	mg/kg	U	N	0.0056	0.0028	155.45	No	0.1	No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Naphthalene	0.0053	mg/kg	U	N	0.0053	0.0027	155.45	No	0.1	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052	0.0026	155.45	No	0.1	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Naphthalene	0.0051	mg/kg	UJ	N	0.0051	0.0026	155.45	No	0.1	No
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Naphthalene	0.0051	mg/kg	UJ	N	0.0051	0.0026	155.45	No	0.1	No

Naphthalene Total Number of Results: **166**

No. >MDL:	41	25%	**Range**	61.000	0.001	**Mean**	1.676	Overall	
No. <MDL:	125	75%	(1/2 DL):	0.004	0.003	(1/2 DL):	0.003	Mean:	**0.416**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Phenanthrene	67	mg/kg		Y	14		2,317.23	No	0.1	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Phenanthrene	47	mg/kg		Y	4		2,317.23	No	0.1	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Phenanthrene	44	mg/kg		Y	11		2,317.23	No	0.1	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Phenanthrene	41	mg/kg		Y	3.6		2,317.23	No	0.1	YES
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Phenanthrene	32	mg/kg	J	Y	3.8		2,317.23	No	0.1	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Phenanthrene	30	mg/kg		Y	4.7		2,317.23	No	0.1	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Phenanthrene	26	mg/kg		Y	3.7		2,317.23	No	0.1	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Phenanthrene	24	mg/kg		Y	3.6		2,317.23	No	0.1	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Phenanthrene	18	mg/kg		Y	3.9		2,317.23	No	0.1	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Phenanthrene	9.9	mg/kg		Y	3.5		2,317.23	No	0.1	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Phenanthrene	9.1	mg/kg		Y	3		2,317.23	No	0.1	YES
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Phenanthrene	8.5	mg/kg		Y	1.8		2,317.23	No	0.1	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Phenanthrene	6.1	mg/kg		Y	3.6		2,317.23	No	0.1	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Phenanthrene	6	mg/kg		Y	1.8		2,317.23	No	0.1	YES
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Phenanthrene	4.9	mg/kg		Y	1		2,317.23	No	0.1	YES
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Phenanthrene	3.6	mg/kg		Y	3.6		2,317.23	No	0.1	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Phenanthrene	3.5	mg/kg		Y	1.8		2,317.23	No	0.1	YES
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Phenanthrene	2.7	mg/kg		Y	2.4		2,317.23	No	0.1	YES
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Phenanthrene	2.7	mg/kg		Y	0.79		2,317.23	No	0.1	YES
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Phenanthrene	2.5	mg/kg		Y	1.8		2,317.23	No	0.1	YES
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Phenanthrene	2	mg/kg		Y	0.35		2,317.23	No	0.1	YES
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Phenanthrene	2	mg/kg		Y	1.9		2,317.23	No	0.1	YES
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Phenanthrene	2	mg/kg	J	Y	0.96		2,317.23	No	0.1	YES
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Phenanthrene	1.8	mg/kg		Y	0.36		2,317.23	No	0.1	YES
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Phenanthrene	1.8	mg/kg		Y	0.35		2,317.23	No	0.1	YES
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Phenanthrene	1.6	mg/kg	J	Y	1.8		2,317.23	No	0.1	YES
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Phenanthrene	1.3	mg/kg		Y	0.37		2,317.23	No	0.1	YES
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Phenanthrene	1.2	mg/kg	J	Y	1.8		2,317.23	No	0.1	YES
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Phenanthrene	1.2	mg/kg	J	Y	1.4		2,317.23	No	0.1	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Phenanthrene	1	mg/kg	J	Y	3.8		2,317.23	No	0.1	YES
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Phenanthrene	0.85	mg/kg	J	Y	1.9		2,317.23	No	0.1	YES
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Phenanthrene	0.84	mg/kg		Y	0.41		2,317.23	No	0.1	YES
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Phenanthrene	0.84	mg/kg	J	Y	1.8		2,317.23	No	0.1	YES
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Phenanthrene	0.81	mg/kg	J	Y	1.6		2,317.23	No	0.1	YES
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Phenanthrene	0.79	mg/kg	J	Y	3.7		2,317.23	No	0.1	YES
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Phenanthrene	0.79	mg/kg	J	Y	0.97		2,317.23	No	0.1	YES
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Phenanthrene	0.73	mg/kg		Y	0.35		2,317.23	No	0.1	YES
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Phenanthrene	0.72	mg/kg		Y	0.39		2,317.23	No	0.1	YES
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Phenanthrene	0.63	mg/kg		Y	0.37		2,317.23	No	0.1	YES
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Phenanthrene	0.55	mg/kg		Y	0.4		2,317.23	No	0.1	YES
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Phenanthrene	0.51	mg/kg		Y	0.36		2,317.23	No	0.1	YES
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Phenanthrene	0.45	mg/kg		Y	0.39		2,317.23	No	0.1	YES
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Phenanthrene	0.4	mg/kg	J	Y	1.7		2,317.23	No	0.1	YES
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Phenanthrene	0.33	mg/kg	J	Y	0.36		2,317.23	No	0.1	YES
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Phenanthrene	0.33	mg/kg	J	Y	0.41		2,317.23	No	0.1	YES
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Phenanthrene	0.32	mg/kg	J	Y	1.8		2,317.23	No	0.1	YES
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Phenanthrene	0.31	mg/kg	J	Y	3.5		2,317.23	No	0.1	YES
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Phenanthrene	0.3	mg/kg	J	Y	0.38		2,317.23	No	0.1	YES
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Phenanthrene	0.29	mg/kg	J	Y	0.37		2,317.23	No	0.1	YES
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Phenanthrene	0.29	mg/kg	J	Y	0.8		2,317.23	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Phenanthrene	0.28	mg/kg	J	Y	0.4		2,317.23	No	0.1	YES
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Phenanthrene	0.27	mg/kg	J	Y	0.41		2,317.23	No	0.1	YES
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Phenanthrene	0.25	mg/kg	J	Y	0.39		2,317.23	No	0.1	YES
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Phenanthrene	0.24	mg/kg	J	Y	0.93		2,317.23	No	0.1	YES
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Phenanthrene	0.23	mg/kg	J	Y	0.39		2,317.23	No	0.1	YES
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Phenanthrene	0.22	mg/kg	J	Y	0.71		2,317.23	No	0.1	YES
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Phenanthrene	0.22	mg/kg	J	Y	1.5		2,317.23	No	0.1	YES
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Phenanthrene	0.22	mg/kg	J	Y	0.51		2,317.23	No	0.1	YES
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Phenanthrene	0.21	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Phenanthrene	0.21	mg/kg	J	Y	0.43		2,317.23	No	0.1	YES
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Phenanthrene	0.2	mg/kg	J	Y	0.43		2,317.23	No	0.1	YES
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Phenanthrene	0.19	mg/kg	J	Y	0.38		2,317.23	No	0.1	YES
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Phenanthrene	0.18	mg/kg	J	Y	0.37		2,317.23	No	0.1	YES
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Phenanthrene	0.18	mg/kg	J	Y	0.36		2,317.23	No	0.1	YES
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Phenanthrene	0.17	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Phenanthrene	0.16	mg/kg	J	Y	0.43		2,317.23	No	0.1	YES
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Phenanthrene	0.15	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Phenanthrene	0.14	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Phenanthrene	0.13	mg/kg	J	Y	0.38		2,317.23	No	0.1	YES
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Phenanthrene	0.13	mg/kg	J	Y	0.37		2,317.23	No	0.1	YES
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Phenanthrene	0.13	mg/kg	J	Y	0.44		2,317.23	No	0.1	YES
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Phenanthrene	0.12	mg/kg	J	Y	0.5		2,317.23	No	0.1	YES
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Phenanthrene	0.12	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Phenanthrene	0.11	mg/kg	J	Y	0.39		2,317.23	No	0.1	YES
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Phenanthrene	0.11	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Phenanthrene	0.11	mg/kg	J	Y	0.44		2,317.23	No	0.1	YES
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Phenanthrene	0.11	mg/kg	J	Y	0.45		2,317.23	No	0.1	YES
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Phenanthrene	0.095	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Phenanthrene	0.093	mg/kg	J	Y	0.44		2,317.23	No	0.1	No
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Phenanthrene	0.087	mg/kg	J	Y	0.42		2,317.23	No	0.1	No
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Phenanthrene	0.087	mg/kg	J	Y	0.38		2,317.23	No	0.1	No
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Phenanthrene	0.084	mg/kg	J	Y	0.35		2,317.23	No	0.1	No
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Phenanthrene	0.071	mg/kg	J	Y	0.36		2,317.23	No	0.1	No
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Phenanthrene	0.066	mg/kg	J	Y	0.41		2,317.23	No	0.1	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Phenanthrene	0.063	mg/kg	J	Y	0.37		2,317.23	No	0.1	No
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Phenanthrene	0.062	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Phenanthrene	0.059	mg/kg	J	Y	0.35		2,317.23	No	0.1	No
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Phenanthrene	0.056	mg/kg	J	Y	0.34		2,317.23	No	0.1	No
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Phenanthrene	0.052	mg/kg	J	Y	0.4		2,317.23	No	0.1	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Phenanthrene	0.051	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Phenanthrene	0.043	mg/kg	J	Y	0.37		2,317.23	No	0.1	No
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Phenanthrene	0.042	mg/kg	J	Y	0.36		2,317.23	No	0.1	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Phenanthrene	0.042	mg/kg	J	Y	0.36		2,317.23	No	0.1	No
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Phenanthrene	0.042	mg/kg	J	Y	0.37		2,317.23	No	0.1	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Phenanthrene	0.042	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Phenanthrene	0.037	mg/kg	J	Y	0.38		2,317.23	No	0.1	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Phenanthrene	8.9	mg/kg	U	N	8.9	4.45	2,317.23	No	0.1	YES
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Phenanthrene	3.7	mg/kg	U	N	3.7	1.85	2,317.23	No	0.1	YES
F[illegible]46-GP08	SS	CP0013	6-Oct-98	YES	Phenanthrene	3[illegible]	mg/kg	U	N	3.7	1.85	2,317.23	No	0.1	[illegible]

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Phenanthrene	3.7	mg/kg	U	N	3.7	1.85	2,317.23	No	0.1	YES
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Phenanthrene	3.6	mg/kg	U	N	3.6	1.8	2,317.23	No	0.1	YES
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Phenanthrene	3.6	mg/kg	U	N	3.6	1.8	2,317.23	No	0.1	YES
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Phenanthrene	3.6	mg/kg	U	N	3.6	1.8	2,317.23	No	0.1	YES
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Phenanthrene	1.9	mg/kg	U	N	1.9	0.95	2,317.23	No	0.1	YES
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Phenanthrene	1.8	mg/kg	U	N	1.8	0.9	2,317.23	No	0.1	YES
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Phenanthrene	1.8	mg/kg	U	N	1.8	0.9	2,317.23	No	0.1	YES
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Phenanthrene	1.8	mg/kg	U	N	1.8	0.9	2,317.23	No	0.1	YES
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Phenanthrene	1.8	mg/kg	U	N	1.8	0.9	2,317.23	No	0.1	YES
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Phenanthrene	0.74	mg/kg	U	N	0.74	0.37	2,317.23	No	0.1	YES
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Phenanthrene	0.73	mg/kg	U	N	0.73	0.365	2,317.23	No	0.1	YES
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Phenanthrene	0.71	mg/kg	U	N	0.71	0.355	2,317.23	No	0.1	YES
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Phenanthrene	0.44	mg/kg	U	N	0.44	0.22	2,317.23	No	0.1	YES
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Phenanthrene	0.44	mg/kg	U	N	0.44	0.22	2,317.23	No	0.1	YES
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Phenanthrene	0.43	mg/kg	U	N	0.43	0.215	2,317.23	No	0.1	YES
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Phenanthrene	0.42	mg/kg	U	N	0.42	0.21	2,317.23	No	0.1	YES
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Phenanthrene	0.42	mg/kg	U	N	0.42	0.21	2,317.23	No	0.1	YES
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Phenanthrene	0.42	mg/kg	U	N	0.42	0.21	2,317.23	No	0.1	YES
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Phenanthrene	0.41	mg/kg	U	N	0.41	0.205	2,317.23	No	0.1	YES
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Phenanthrene	0.41	mg/kg	U	N	0.41	0.205	2,317.23	No	0.1	YES
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Phenanthrene	0.41	mg/kg	U	N	0.41	0.205	2,317.23	No	0.1	YES
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Phenanthrene	0.41	mg/kg	U	N	0.41	0.205	2,317.23	No	0.1	YES
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	YES
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	YES
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	YES
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Phenanthrene	0.39	mg/kg	UJ	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Phenanthrene	0.39	mg/kg	UJ	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	YES
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Phenanthrene	0.38	mg/kg	UJ	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Phenanthrene	0.38	mg/kg	UJ	N	0.38	0.19	2,317.23	No	0.1	YES
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	YES
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Phenanthrene	0.37	mg/kg	UJ	N	0.37	0.185	2,317.23	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	YES
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	YES
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	YES
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	YES
PPMP-75-GP46	SS	KJ0095	25-Jan-99	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	YES
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	YES
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	YES

Phenanthrene Total Number of Results: **166**

No. >MDL:	96	58%	**Range**	67.000	0.037	**Mean**	4.390	Overall	
No. <MDL:	70	42%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.451	Mean:	**2.729**

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP07	SS	KJ0015	19-Jan-99	YES	Pyrene	45	mg/kg		Y	14		232.81	No	0.1	YES
FTA-149-GP01	SS	DG0001	22-Oct-98	YES	Pyrene	42	mg/kg	J	Y	3.8		232.81	No	0.1	YES
FTA-164-GP11	SS	DL0024	26-Oct-98	YES	Pyrene	33	mg/kg		Y	4		232.81	No	0.1	YES
PPMP-75-GP23	SS	KJ0045	20-Jan-99	YES	Pyrene	30	mg/kg		Y	11		232.81	No	0.1	YES
FTA-149-GP13	SS	DG0029	22-Oct-98	YES	Pyrene	27	mg/kg		Y	1.8		232.81	No	0.1	YES
FTA-93-GP08	SS	DA0008	19-Oct-98	YES	Pyrene	24	mg/kg		Y	3.5		232.81	No	0.1	YES
PPMP-75-GP05	SS	KJ0011	18-Jan-99	YES	Pyrene	24	mg/kg		Y	4.7		232.81	No	0.1	YES
FTA-148-GP06	SS	DB0009	22-Oct-98	YES	Pyrene	20	mg/kg		Y	3.7		232.81	No	0.1	YES
FTA-94-GP02	SS	EM0003	16-Oct-98	YES	Pyrene	14	mg/kg		Y	3.9		232.81	No	0.1	YES
PPMP-75-GP04	SS	KJ0009	18-Jan-99	YES	Pyrene	14	mg/kg		Y	3.6		232.81	No	0.1	YES
FTA-149-GP08	SS	DG0019	22-Oct-98	YES	Pyrene	13	mg/kg		Y	1.8		232.81	No	0.1	YES
PPMP-75-GP22	SS	KJ0041	20-Jan-99	YES	Pyrene	13	mg/kg		Y	3		232.81	No	0.1	YES
PPMP-75-GP45	SS	KJ0093	25-Jan-99	YES	Pyrene	11	mg/kg		Y	3.8		232.81	No	0.1	YES
FTA-93-GP09	SS	DA0009	19-Oct-98	YES	Pyrene	9.6	mg/kg		Y	3.6		232.81	No	0.1	YES
WCS-87-GP05	SS	GA0009	23-Sep-98	YES	Pyrene	8.1	mg/kg		Y	1.8		232.81	No	0.1	YES
WCS-87-GP06	SS	GA0011	23-Sep-98	YES	Pyrene	7.5	mg/kg		Y	1.8		232.81	No	0.1	YES
PPMP-75-GP09	SS	KJ0019	19-Jan-99	YES	Pyrene	6.3	mg/kg		Y	2.4		232.81	No	0.1	YES
PPMP-75-GP12	SS	KJ0027	21-Jan-99	YES	Pyrene	5.7	mg/kg		Y	0.97		232.81	No	0.1	YES
PPMP-75-GP65	SS	KJ0136	26-Jan-99	YES	Pyrene	5.4	mg/kg		Y	1.6		232.81	No	0.1	YES
PPMP-75-GP40	SS	KJ0082	26-Jan-99	YES	Pyrene	4.9	mg/kg		Y	1.4		232.81	No	0.1	YES
PPMP-75-GP24	SS	KJ0047	21-Jan-99	YES	Pyrene	4.8	mg/kg	J	Y	0.96		232.81	No	0.1	YES
PPMP-75-GP44	SS	KJ0091	25-Jan-99	YES	Pyrene	3.9	mg/kg		Y	1		232.81	No	0.1	YES
WCS-87-GP07	SS	GA0015	23-Sep-98	YES	Pyrene	3.4	mg/kg		Y	1.8		232.81	No	0.1	YES
FTA-144-GP02	SS	AE0003	6-Oct-98	YES	Pyrene	3.2	mg/kg	J	Y	3.6		232.81	No	0.1	YES
FTA-149-GP12	SS	DG0027	22-Oct-98	YES	Pyrene	3	mg/kg		Y	0.36		232.81	No	0.1	YES
FTA-64-GP06	SS	EA0012	13-Oct-98	YES	Pyrene	2.9	mg/kg		Y	0.35		232.81	No	0.1	YES
PPMP-75-GP42	SS	KJ0087	25-Jan-99	YES	Pyrene	2.9	mg/kg		Y	0.79		232.81	No	0.1	YES
FTA-148-GP02	SS	DB0003	21-Oct-98	YES	Pyrene	2.8	mg/kg		Y	0.37		232.81	No	0.1	YES
FTA-149-GP07	SS	DG0017	2-Nov-98	YES	Pyrene	2.7	mg/kg		Y	0.71		232.81	No	0.1	YES
FTA-144-GP03	SS	AE0005	5-Oct-98	YES	Pyrene	2.5	mg/kg		Y	1.9		232.81	No	0.1	YES
FTA-163-GP13	SS	CD0029	16-Nov-99	YES	Pyrene	2.5	mg/kg		Y	0.39		232.81	No	0.1	YES
FTA-149-GP09	SS	DG0021	22-Oct-98	YES	Pyrene	2.4	mg/kg	J	Y	3.7		232.81	No	0.1	YES
FTA-93-GP06	SS	DA0006	19-Oct-98	YES	Pyrene	2.1	mg/kg		Y	0.35		232.81	No	0.1	YES
FTA-94-GP11	SS	EM0017	21-Oct-98	YES	Pyrene	2.1	mg/kg		Y	0.39		232.81	No	0.1	YES
FTA-94-GP12	SS	EM0019	21-Oct-98	YES	Pyrene	2.1	mg/kg		Y	0.36		232.81	No	0.1	YES
FTA-149-GP04	SS	DG0013	22-Oct-98	YES	Pyrene	1.9	mg/kg		Y	1.9		232.81	No	0.1	YES
FTA-94-GP01	SS	EM0001	16-Oct-98	YES	Pyrene	1.7	mg/kg		Y	0.41		232.81	No	0.1	YES
FTA-144-GP01	SS	AE0001	5-Oct-98	YES	Pyrene	1.4	mg/kg	J	Y	1.8		232.81	No	0.1	YES
FTA-144-GP05	SS	AE0009	6-Oct-98	YES	Pyrene	1.4	mg/kg	J	Y	1.8		232.81	No	0.1	YES
FTA-144-GP06	SS	AE0011	5-Oct-98	YES	Pyrene	1.3	mg/kg	J	Y	1.8		232.81	No	0.1	YES
FTA-149-GP03	SS	DG0009	22-Oct-98	YES	Pyrene	1.3	mg/kg		Y	0.37		232.81	No	0.1	YES
FTA-164-GP04	SS	DL0010	26-Oct-98	YES	Pyrene	1.3	mg/kg	J	Y	3.5		232.81	No	0.1	YES
WCS-87-GP08	SS	GA0019	23-Sep-98	YES	Pyrene	1.3	mg/kg	J	Y	1.8		232.81	No	0.1	YES
FTA-93-GP05	SS	DA0005	19-Oct-98	YES	Pyrene	1.2	mg/kg		Y	0.35		232.81	No	0.1	YES
FTA-93-GP07	SS	DA0007	18-Oct-98	YES	Pyrene	1.2	mg/kg	J	Y	1.7		232.81	No	0.1	YES
FTA-164-GP05	SS	DL0012	26-Oct-98	YES	Pyrene	1.2	mg/kg		Y	0.37		232.81	No	0.1	YES
PPMP-75-GP01	SS	KJ0001	18-Jan-99	YES	Pyrene	1.1	mg/kg		Y	0.36		232.81	No	0.1	YES
PPMP-75-GP41	SS	KJ0084	25-Jan-99	YES	Pyrene	1.1	mg/kg		Y	0.8		232.81	No	0.1	YES
PPMP-75-GP54	SS	KJ0112	25-Jan-99	YES	Pyrene	1.1	mg/kg		Y	0.45		232.81	No	0.1	YES
FTA-145-GP03	SS	CY0004	1-Oct-98	YES	Pyrene	1	mg/kg	J	Y	3.6		232.81	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-GP10	SS	DG0023	22-Oct-98	YES	Pyrene	1	mg/kg		Y	0.41		232.81	No	0.1	YES
PPMP-75-GP27	SS	KJ0053	21-Jan-99	YES	Pyrene	1	mg/kg	J	Y	1.5		232.81	No	0.1	YES
PPMP-75-GP61	SS	KJ0128	26-Jan-99	YES	Pyrene	0.97	mg/kg		Y	0.39		232.81	No	0.1	YES
PPMP-75-GP13	SS	KJ0029	20-Jan-99	YES	Pyrene	0.93	mg/kg		Y	0.42		232.81	No	0.1	YES
FTA-149-GP11	SS	DG0025	22-Oct-98	YES	Pyrene	0.69	mg/kg		Y	0.41		232.81	No	0.1	YES
PPMP-75-GP43	SS	KJ0089	25-Jan-99	YES	Pyrene	0.67	mg/kg		Y	0.4		232.81	No	0.1	YES
FTA-93-GP26	SS	DA0030	23-Oct-98	YES	Pyrene	0.66	mg/kg		Y	0.35		232.81	No	0.1	YES
PPMP-75-GP26	SS	KJ0051	21-Jan-99	YES	Pyrene	0.61	mg/kg		Y	0.38		232.81	No	0.1	YES
PPMP-85-GP04	SS	KN0009	15-Jan-99	YES	Pyrene	0.58	mg/kg		Y	0.35		232.81	No	0.1	YES
PPMP-75-GP32	SS	KJ0063	27-Jan-99	YES	Pyrene	0.55	mg/kg		Y	0.51		232.81	No	0.1	YES
PPMP-75-GP31	SS	KJ0061	27-Jan-99	YES	Pyrene	0.53	mg/kg		Y	0.43		232.81	No	0.1	YES
PPMP-75-GP20	SS	KJ0037	20-Jan-99	YES	Pyrene	0.52	mg/kg	J	Y	0.37		232.81	No	0.1	YES
PPMP-75-GP33	SS	KJ0065	27-Jan-99	YES	Pyrene	0.52	mg/kg		Y	0.43		232.81	No	0.1	YES
PPMP-75-GP25	SS	KJ0049	20-Jan-99	YES	Pyrene	0.5	mg/kg		Y	0.4		232.81	No	0.1	YES
WCS-87-GP09	SS	GA0021	23-Sep-98	YES	Pyrene	0.49	mg/kg		Y	0.35		232.81	No	0.1	YES
FTA-148-GP05	SS	DB0008	22-Oct-98	YES	Pyrene	0.48	mg/kg		Y	0.36		232.81	No	0.1	YES
FTA-148-GP07	SS	DB0010	22-Oct-98	YES	Pyrene	0.48	mg/kg		Y	0.39		232.81	No	0.1	YES
PPMP-75-GP47	SS	KJ0099	25-Jan-99	YES	Pyrene	0.48	mg/kg		Y	0.41		232.81	No	0.1	YES
PPMP-75-GP34	SS	KJ0067	27-Jan-99	YES	Pyrene	0.47	mg/kg	J	Y	0.5		232.81	No	0.1	YES
PPMP-75-GP36	SS	KJ0073	27-Jan-99	YES	Pyrene	0.47	mg/kg		Y	0.44		232.81	No	0.1	YES
FTA-146-GP09	SS	CP0015	6-Oct-98	YES	Pyrene	0.45	mg/kg	J	Y	3.6		232.81	No	0.1	YES
FTA-149-GP02	SS	DG0005	27-Oct-98	YES	Pyrene	0.44	mg/kg	J	Y	0.71		232.81	No	0.1	YES
PPMP-75-GP28	SS	KJ0055	21-Jan-99	YES	Pyrene	0.43	mg/kg	J	Y	0.93		232.81	No	0.1	YES
PPMP-75-GP38	SS	KJ0078	27-Jan-99	YES	Pyrene	0.43	mg/kg		Y	0.43		232.81	No	0.1	YES
PPMP-75-GP53	SS	KJ0110	25-Jan-99	YES	Pyrene	0.41	mg/kg	J	Y	0.42		232.81	No	0.1	YES
PPMP-75-GP62	SS	KJ0132	26-Jan-99	YES	Pyrene	0.41	mg/kg	J	Y	0.44		232.81	No	0.1	YES
FTA-163-GP15	SS	CD0033	17-Nov-99	YES	Pyrene	0.37	mg/kg	J	Y	0.38		232.81	No	0.1	YES
FTA-163-GP09	SS	CD0068	30-Nov-99	YES	Pyrene	0.35	mg/kg		Y	0.35		232.81	No	0.1	YES
PPMP-75-GP60	SS	KJ0126	26-Jan-99	YES	Pyrene	0.35	mg/kg	J	Y	0.38		232.81	No	0.1	YES
FTA-146-GP08	SS	CP0013	6-Oct-98	YES	Pyrene	0.34	mg/kg	J	Y	3.7		232.81	No	0.1	YES
FTA-151-GP49	SS	BJ0115	21-Sep-98	YES	Pyrene	0.29	mg/kg	J	Y	0.38		232.81	No	0.1	YES
FTA-144-GP07	SS	AE0013	5-Oct-98	YES	Pyrene	0.28	mg/kg	J	Y	0.39		232.81	No	0.1	YES
PPMP-75-GP35	SS	KJ0069	27-Jan-99	YES	Pyrene	0.26	mg/kg	J	Y	0.41		232.81	No	0.1	YES
FTA-93-GP03	SS	DA0003	23-Oct-98	YES	Pyrene	0.23	mg/kg	J	Y	0.36		232.81	No	0.1	YES
FTA-163-GP19	SS	CD0041	17-Nov-99	YES	Pyrene	0.22	mg/kg	J	Y	0.39		232.81	No	0.1	YES
PPMP-75-GP37	SS	KJ0075	27-Jan-99	YES	Pyrene	0.22	mg/kg	J	Y	0.44		232.81	No	0.1	YES
FTA-93-GP15	SS	DA0017	20-Oct-98	YES	Pyrene	0.21	mg/kg	J	Y	0.38		232.81	No	0.1	YES
FTA-148-GP04	SS	DB0007	22-Oct-98	YES	Pyrene	0.21	mg/kg	J	Y	0.36		232.81	No	0.1	YES
FTA-163-MW09	SS	CD0064	30-Nov-99	YES	Pyrene	0.21	mg/kg	J	Y	0.37		232.81	No	0.1	YES
PPMP-85-GP05	SS	KN0011	15-Jan-99	YES	Pyrene	0.21	mg/kg	J	Y	0.35		232.81	No	0.1	YES
FTA-146-GP05	SS	CP0005	6-Oct-98	YES	Pyrene	0.19	mg/kg	J	Y	0.39		232.81	No	0.1	YES
PPMP-75-GP58	SS	KJ0122	26-Jan-99	YES	Pyrene	0.19	mg/kg	J	Y	0.35		232.81	No	0.1	YES
PPMP-85-GP02	SS	KN0005	15-Jan-99	YES	Pyrene	0.17	mg/kg	J	Y	0.37		232.81	No	0.1	YES
FTA-163-GP08	SS	CD0018	30-Nov-99	YES	Pyrene	0.16	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-147-GP01	SS	EG0001	15-Oct-98	YES	Pyrene	0.14	mg/kg	J	Y	0.36		232.81	No	0.1	YES
FTA-93-GP19	SS	DA0021	20-Oct-98	YES	Pyrene	0.13	mg/kg	J	Y	0.35		232.81	No	0.1	YES
FTA-148-GP03	SS	DB0005	21-Oct-98	YES	Pyrene	0.13	mg/kg	J	Y	0.35		232.81	No	0.1	YES
FTA-163-MW03	SS	CD0051	16-Nov-99	YES	Pyrene	0.12	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-164-GP10	SS	DL0022	26-Oct-98	YES	Pyrene	0.12	mg/kg	J	Y	0.37		232.81	No	0.1	YES
P[illegible] 75-GP46	SS	KJ0095	25-Jan-99	YES	Pyrene	0[illegible]	mg/kg	J	Y	0.36		232.81	No	0.1	[illegible]

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PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-85-GP03	SS	KN0007	15-Jan-99	YES	Pyrene	0.12	mg/kg	J	Y	0.38		232.81	No	0.1	YES
FTA-151-GP26	SS	BJ0061	16-Sep-98	YES	Pyrene	0.11	mg/kg	J	Y	0.34		232.81	No	0.1	YES
FTA-164-GP13	SS	DL0030	26-Oct-98	YES	Pyrene	0.11	mg/kg	J	Y	0.37		232.81	No	0.1	YES
FTA-163-GP16	SS	CD0035	18-Nov-99	YES	Pyrene	0.1	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-164-GP12	SS	DL0026	26-Oct-98	YES	Pyrene	0.095	mg/kg	J	Y	0.38		232.81	No	0.1	No
FTA-93-GP16	SS	DA0018	20-Oct-98	YES	Pyrene	0.087	mg/kg	J	Y	0.41		232.81	No	0.1	No
PPMP-75-GP57	SS	KJ0120	26-Jan-99	YES	Pyrene	0.087	mg/kg	J	Y	0.43		232.81	No	0.1	No
FTA-147-GP08	SS	EG0015	14-Oct-98	YES	Pyrene	0.082	mg/kg	J	Y	0.36		232.81	No	0.1	No
FTA-147-GP02	SS	EG0003	15-Oct-98	YES	Pyrene	0.08	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-163-GP17	SS	CD0037	18-Nov-99	YES	Pyrene	0.077	mg/kg	J	Y	0.39		232.81	No	0.1	No
FTA-163-MW07	SS	CD0059	18-Nov-99	YES	Pyrene	0.076	mg/kg	J	Y	0.39		232.81	No	0.1	No
FTA-163-GP14	SS	CD0031	30-Nov-99	YES	Pyrene	0.073	mg/kg	J	Y	0.41		232.81	No	0.1	No
FTA-93-GP11	SS	DA0013	20-Oct-98	YES	Pyrene	0.068	mg/kg	J	Y	0.35		232.81	No	0.1	No
FTA-148-GP08	SS	DB0011	23-Oct-98	YES	Pyrene	0.068	mg/kg	J	Y	0.39		232.81	No	0.1	No
PPMP-75-GP02	SS	KJ0005	18-Jan-99	YES	Pyrene	0.065	mg/kg	J	Y	0.38		232.81	No	0.1	No
PPMP-85-GP06	SS	KN0013	1-Feb-99	YES	Pyrene	0.062	mg/kg	J	Y	0.73		232.81	No	0.1	No
FTA-64-GP15	SS	EA0025	3-Nov-98	YES	Pyrene	0.055	mg/kg	J	Y	0.38		232.81	No	0.1	No
FTA-164-GP07	SS	DL0016	26-Oct-98	YES	Pyrene	0.05	mg/kg	J	Y	0.35		232.81	No	0.1	No
PPMP-85-GP08	SS	KN0017	1-Feb-99	YES	Pyrene	0.049	mg/kg	J	Y	0.35		232.81	No	0.1	No
FTA-163-GP06	SS	CD0013	29-Nov-99	YES	Pyrene	0.047	mg/kg	J	Y	0.42		232.81	No	0.1	No
PPMP-75-GP10	SS	KJ0021	18-Jan-99	YES	Pyrene	0.047	mg/kg	J	Y	0.39		232.81	No	0.1	No
PPMP-75-GP66	SS	KJ0138	27-Jan-99	YES	Pyrene	0.046	mg/kg	J	Y	0.36		232.81	No	0.1	No
FTA-148-GP01	SS	DB0001	21-Oct-98	YES	Pyrene	0.045	mg/kg	J	Y	0.38		232.81	No	0.1	No
FTA-163-GP07	SS	CD0015	29-Nov-99	YES	Pyrene	0.045	mg/kg	J	Y	0.4		232.81	No	0.1	No
FTA-164-GP14	SS	DL0031	26-Oct-98	YES	Pyrene	0.045	mg/kg	J	Y	0.37		232.81	No	0.1	No
PPMP-143-GP04	SS	KP0009	12-Jan-99	YES	Pyrene	0.042	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-163-GP05	SS	CD0011	18-Nov-99	YES	Pyrene	0.038	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-93-GP04	SS	DA0004	23-Oct-98	YES	Pyrene	0.037	mg/kg	J	Y	0.36		232.81	No	0.1	No
FTA-100-GP02	SS	CV0004	7-Oct-98	YES	Pyrene	8.9	mg/kg	U	N	8.9	4.45	232.81	No	0.1	YES
FTA-64-GP14	SS	EA0023	12-Oct-98	YES	Pyrene	3.7	mg/kg	U	N	3.7	1.85	232.81	No	0.1	YES
FTA-151-GP50	SS	BJ0117	21-Sep-98	YES	Pyrene	3.7	mg/kg	U	N	3.7	1.85	232.81	No	0.1	YES
FTA-146-GP10	SS	CP0019	6-Oct-98	YES	Pyrene	3.6	mg/kg	U	N	3.6	1.8	232.81	No	0.1	YES
FTA-146-GP07	SS	CP0011	6-Oct-98	YES	Pyrene	1.9	mg/kg	U	N	1.9	0.95	232.81	No	0.1	YES
FTA-93-GP10	SS	DA0010	19-Oct-98	YES	Pyrene	1.8	mg/kg	U	N	1.8	0.9	232.81	No	0.1	YES
FTA-93-GP17	SS	DA0019	20-Oct-98	YES	Pyrene	1.8	mg/kg	U	N	1.8	0.9	232.81	No	0.1	YES
FTA-100-GP04	SS	CV0007	12-Oct-98	YES	Pyrene	1.8	mg/kg	U	N	1.8	0.9	232.81	No	0.1	YES
FTA-145-GP04	SS	CY0006	1-Oct-98	YES	Pyrene	1.8	mg/kg	U	N	1.8	0.9	232.81	No	0.1	YES
PPMP-85-GP07	SS	KN0015	1-Feb-99	YES	Pyrene	0.74	mg/kg	U	N	0.74	0.37	232.81	No	0.1	YES
PPMP-75-GP03	SS	KJ0007	18-Jan-99	YES	Pyrene	0.44	mg/kg	U	N	0.44	0.22	232.81	No	0.1	YES
PPMP-75-GP56	SS	KJ0118	26-Jan-99	YES	Pyrene	0.44	mg/kg	U	N	0.44	0.22	232.81	No	0.1	YES
FTA-163-MW08	SS	CD0061	29-Nov-99	YES	Pyrene	0.42	mg/kg	U	N	0.42	0.21	232.81	No	0.1	YES
PPMP-75-GP59	SS	KJ0124	26-Jan-99	YES	Pyrene	0.41	mg/kg	U	N	0.41	0.205	232.81	No	0.1	YES
PPMP-75-GP08	SS	KJ0017	19-Jan-99	YES	Pyrene	0.4	mg/kg	U	N	0.4	0.2	232.81	No	0.1	YES
PPMP-75-GP75	SS	KJ0156	21-Jan-99	YES	Pyrene	0.4	mg/kg	R	N	0.4	0.2	232.81	No	0.1	YES
WCS-87-GP03	SS	GA0005	2-Oct-98	YES	Pyrene	0.4	mg/kg	U	N	0.4	0.2	232.81	No	0.1	YES
FTA-147-GP07	SS	EG0013	14-Oct-98	YES	Pyrene	0.39	mg/kg	U	N	0.39	0.195	232.81	No	0.1	YES
FTA-151-GP32	SS	BJ0075	6-Oct-98	YES	Pyrene	0.39	mg/kg	U	N	0.39	0.195	232.81	No	0.1	YES
FTA-163-GP18	SS	CD0039	30-Nov-99	YES	Pyrene	0.39	mg/kg	U	N	0.39	0.195	232.81	No	0.1	YES
FTA-163-MW05	SS	CD0055	17-Nov-99	YES	Pyrene	0.39	mg/kg	UJ	N	0.39	0.195	232.81	No	0.1	YES

Table 4-6

PAH Background Data Set: Samples Taken Below Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-64-GP02	SS	EA0003	13-Oct-98	YES	Pyrene	0.38	mg/kg	U	N	0.38	0.19	232.81	No	0.1	YES
FTA-64-GP05	SS	EA0009	13-Oct-98	YES	Pyrene	0.38	mg/kg	U	N	0.38	0.19	232.81	No	0.1	YES
FTA-163-GP11	SS	CD0024	30-Nov-99	YES	Pyrene	0.38	mg/kg	U	N	0.38	0.19	232.81	No	0.1	YES
PPMP-85-GP01	SS	KN0001	18-Jan-99	YES	Pyrene	0.38	mg/kg	UJ	N	0.38	0.19	232.81	No	0.1	YES
WCS-87-GP04	SS	GA0007	2-Oct-98	YES	Pyrene	0.38	mg/kg	U	N	0.38	0.19	232.81	No	0.1	YES
FTA-29-GP03	SS	AA0007	30-Sep-98	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	YES
FTA-64-GP01	SS	EA0001	13-Oct-98	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	YES
FTA-93-GP14	SS	DA0016	16-Oct-98	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	YES
FTA-147-GP11	SS	EG0021	15-Oct-98	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	YES
FTA-163-MW04	SS	CD0053	17-Nov-99	YES	Pyrene	0.37	mg/kg	UJ	N	0.37	0.185	232.81	No	0.1	YES
FTA-163-MW10	SS	CD0066	29-Nov-99	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	YES
PPMP-85-GP09	SS	KN0019	15-Jan-99	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	YES
FTA-144-GP04	SS	AE0007	6-Oct-98	YES	Pyrene	0.36	mg/kg	U	N	0.36	0.18	232.81	No	0.1	YES
FTA-93-GP20	SS	DA0022	20-Oct-98	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	YES
FTA-93-GP25	SS	DA0029	20-Oct-98	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	YES
FTA-151-GP01	SS	BJ0001	17-Sep-98	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	YES
PPMP-143-GP02	SS	KP0003	12-Jan-99	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	YES

Pyrene Total Number of Results: **166**

No. >MDL:	128	77%	**Range**	45.000	0.037	**Mean**	3.458	Overall	
No. <MDL:	38	23%	(1/2 DL):	4.450	0.175	(1/2 DL):	0.532	Mean:	**2.788**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Acenaphthene	2	mg/kg		Y	0.35		463.45	No	20	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Acenaphthene	0.64	mg/kg		Y	0.35		463.45	No	20	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Acenaphthene	0.26	mg/kg	J	Y	0.34		463.45	No	20	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Acenaphthene	0.13	mg/kg	J	Y	0.49		463.45	No	20	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Acenaphthene	0.12	mg/kg	J	Y	0.94		463.45	No	20	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Acenaphthene	0.094	mg/kg	J	Y	0.39		463.45	No	20	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Acenaphthene	0.071	mg/kg	J	Y	0.58		463.45	No	20	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Acenaphthene	0.062	mg/kg	J	Y	0.36		463.45	No	20	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Acenaphthene	0.05	mg/kg	J	Y	0.39		463.45	No	20	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Acenaphthene	0.047	mg/kg	J	Y	0.34		463.45	No	20	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Acenaphthene	0.042	mg/kg	J	Y	0.36		463.45	No	20	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Acenaphthene	0.037	mg/kg	UJ	Y	0.35		463.45	No	20	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Acenaphthene	0.035	mg/kg	J	Y	0.34		463.45	No	20	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Acenaphthene	4.3	mg/kg	U	N	4.3	2.15	463.45	No	20	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Acenaphthene	4.3	mg/kg	U	N	4.3	2.15	463.45	No	20	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Acenaphthene	4.2	mg/kg	U	N	4.2	2.1	463.45	No	20	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Acenaphthene	4	mg/kg	U	N	4	2	463.45	No	20	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Acenaphthene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	20	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Acenaphthene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	20	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Acenaphthene	3.4	mg/kg	U	N	3.4	1.7	463.45	No	20	No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Acenaphthene	2.9	mg/kg	U	N	2.9	1.45	463.45	No	20	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Acenaphthene	2.3	mg/kg	U	N	2.3	1.15	463.45	No	20	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Acenaphthene	2	mg/kg	U	N	2	1	463.45	No	20	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Acenaphthene	0.73	mg/kg	U	N	0.73	0.365	463.45	No	20	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Acenaphthene	0.55	mg/kg	U	N	0.55	0.275	463.45	No	20	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Acenaphthene	0.5	mg/kg	U	N	0.5	0.25	463.45	No	20	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Acenaphthene	0.5	mg/kg	U	N	0.5	0.25	463.45	No	20	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Acenaphthene	0.48	mg/kg	U	N	0.48	0.24	463.45	No	20	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Acenaphthene	0.48	mg/kg	U	N	0.48	0.24	463.45	No	20	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Acenaphthene	0.47	mg/kg	U	N	0.47	0.235	463.45	No	20	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Acenaphthene	0.45	mg/kg	U	N	0.45	0.225	463.45	No	20	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Acenaphthene	0.45	mg/kg	U	N	0.45	0.225	463.45	No	20	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Acenaphthene	0.45	mg/kg	U	N	0.45	0.225	463.45	No	20	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Acenaphthene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	20	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Acenaphthene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	20	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Acenaphthene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	20	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Acenaphthene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	20	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Acenaphthene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	20	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Acenaphthene	0.43	mg/kg	R	N	0.43	0.215	463.45	No	20	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Acenaphthene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	20	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Acenaphthene	0.4	mg/kg	R	N	0.4	0.2	463.45	No	20	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Acenaphthene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	20	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Acenaphthene	0.4	mg/kg	UJ	N	0.4	0.2	463.45	No	20	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	R	N	0.39	0.195	463.45	No	20	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Acenaphthene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	20	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Acenaphthene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	20	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Acenaphthene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	20	No
PPMP-143-G[illegible]	SS	KP0013	12-Jan-99	No	YES	Acenaphthene	[illegible]	mg/kg	U	N	0.37	0.185	463.45	No	[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Acenaphthene	0.36	mg/kg	UJ	N	0.36	0.18	463.45	No	20	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Acenaphthene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	20	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Acenaphthene	0.35	mg/kg	UJ	N	0.35	0.175	463.45	No	20	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Acenaphthene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	20	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	20	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	20	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	20	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	20	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Acenaphthene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	20	No

Acenaphthene Total Number of Results: **107**

No. >MDL:	13	12%	**Range**	2	0.035	**Mean**	0.276	Overall	
No. <MDL:	94	88%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.361	Mean:	**0.351**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Acenaphthylene	5	mg/kg		Y	0.49		463.45	No	682	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Acenaphthylene	4.5	mg/kg		Y	3.4		463.45	No	682	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Acenaphthylene	3.8	mg/kg		Y	0.94		463.45	No	682	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Acenaphthylene	1.6	mg/kg		Y	0.34		463.45	No	682	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Acenaphthylene	1.4	mg/kg		Y	0.73		463.45	No	682	No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Acenaphthylene	1.4	mg/kg	J	Y	2.9		463.45	No	682	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Acenaphthylene	0.73	mg/kg		Y	0.36		463.45	No	682	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Acenaphthylene	0.52	mg/kg	J	Y	0.58		463.45	No	682	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Acenaphthylene	0.49	mg/kg	J	Y	2		463.45	No	682	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Acenaphthylene	0.31	mg/kg	J	Y	0.44		463.45	No	682	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Acenaphthylene	0.29	mg/kg	J	Y	0.42		463.45	No	682	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Acenaphthylene	0.26	mg/kg	J	Y	0.42		463.45	No	682	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Acenaphthylene	0.25	mg/kg	J	Y	0.34		463.45	No	682	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Acenaphthylene	0.22	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Acenaphthylene	0.19	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Acenaphthylene	0.15	mg/kg	J	Y	0.34		463.45	No	682	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Acenaphthylene	0.11	mg/kg	J	Y	0.38		463.45	No	682	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Acenaphthylene	0.1	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Acenaphthylene	0.092	mg/kg	J	Y	0.35		463.45	No	682	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Acenaphthylene	0.089	mg/kg	J	Y	0.42		463.45	No	682	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Acenaphthylene	0.087	mg/kg	J	Y	0.38		463.45	No	682	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Acenaphthylene	0.086	mg/kg	J	Y	0.42		463.45	No	682	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Acenaphthylene	0.084	mg/kg	J	Y	0.45		463.45	No	682	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Acenaphthylene	0.079	mg/kg	J	Y	0.4		463.45	No	682	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Acenaphthylene	0.071	mg/kg	J	Y	0.39		463.45	No	682	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Acenaphthylene	0.069	mg/kg	J	Y	0.4		463.45	No	682	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Acenaphthylene	0.066	mg/kg	J	Y	0.38		463.45	No	682	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Acenaphthylene	0.063	mg/kg	J	Y	0.38		463.45	No	682	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Acenaphthylene	0.06	mg/kg	J	Y	0.36		463.45	No	682	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Acenaphthylene	0.059	mg/kg	J	Y	0.43		463.45	No	682	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Acenaphthylene	0.059	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Acenaphthylene	0.058	mg/kg	J	Y	0.36		463.45	No	682	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Acenaphthylene	0.052	mg/kg	J	Y	0.5		463.45	No	682	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Acenaphthylene	0.044	mg/kg	J	Y	0.39		463.45	No	682	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Acenaphthylene	0.04	mg/kg	J	Y	0.37		463.45	No	682	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Acenaphthylene	0.038	mg/kg	J	Y	0.37		463.45	No	682	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Acenaphthylene	0.038	mg/kg	J	Y	0.37		463.45	No	682	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Acenaphthylene	0.036	mg/kg	J	Y	0.35		463.45	No	682	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Acenaphthylene	0.029	mg/kg	J	Y	0.34		463.45	No	682	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Acenaphthylene	4.3	mg/kg	U	N	4.3	2.15	463.45	No	682	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Acenaphthylene	4.3	mg/kg	U	N	4.3	2.15	463.45	No	682	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Acenaphthylene	4.2	mg/kg	U	N	4.2	2.1	463.45	No	682	No
FTA-145-GP[illegible]	SS	CY0020	1-Oct-98	No	YES	Acenaphthylene	4	mg/kg	U	N	4	2	463.45	No	[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	682	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Acenaphthylene	3.6	mg/kg	U	N	3.6	1.8	463.45	No	682	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Acenaphthylene	2.3	mg/kg	U	N	2.3	1.15	463.45	No	682	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Acenaphthylene	0.55	mg/kg	U	N	0.55	0.275	463.45	No	682	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Acenaphthylene	0.5	mg/kg	U	N	0.5	0.25	463.45	No	682	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Acenaphthylene	0.48	mg/kg	U	N	0.48	0.24	463.45	No	682	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Acenaphthylene	0.48	mg/kg	U	N	0.48	0.24	463.45	No	682	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Acenaphthylene	0.47	mg/kg	U	N	0.47	0.235	463.45	No	682	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Acenaphthylene	0.45	mg/kg	U	N	0.45	0.225	463.45	No	682	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Acenaphthylene	0.45	mg/kg	U	N	0.45	0.225	463.45	No	682	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	682	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Acenaphthylene	0.44	mg/kg	U	N	0.44	0.22	463.45	No	682	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Acenaphthylene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	682	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Acenaphthylene	0.43	mg/kg	U	N	0.43	0.215	463.45	No	682	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	682	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	682	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Acenaphthylene	0.42	mg/kg	U	N	0.42	0.21	463.45	No	682	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Acenaphthylene	0.4	mg/kg	U	N	0.4	0.2	463.45	No	682	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Acenaphthylene	0.39	mg/kg	U	N	0.39	0.195	463.45	No	682	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Acenaphthylene	0.38	mg/kg	U	N	0.38	0.19	463.45	No	682	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Acenaphthylene	0.37	mg/kg	U	N	0.37	0.185	463.45	No	682	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Acenaphthylene	0.36	mg/kg	UJ	N	0.36	0.18	463.45	No	682	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Acenaphthylene	0.36	mg/kg	U	N	0.36	0.18	463.45	No	682	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Acenaphthylene	0.35	mg/kg	UJ	N	0.35	0.175	463.45	No	682	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Acenaphthylene	0.35	mg/kg	UJ	N	0.35	0.175	463.45	No	682	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Acenaphthylene	0.35	mg/kg	U	N	0.35	0.175	463.45	No	682	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	682	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	682	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	682	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Acenaphthylene	0.34	mg/kg	U	N	0.34	0.17	463.45	No	682	No

Acenaphthylene Total Number of Results: **107**

No. >MDL:	39	36%	**Range**	5	0.029	**Mean**	0.580	Overall
No. <MDL:	68	64%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.369	Mean: 0.446

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Anthracene	4.9	mg/kg		Y	0.49		2,325.50	No	0.1	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Anthracene	4.5	mg/kg		Y	3.4		2,325.50	No	0.1	YES
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Anthracene	3.6	mg/kg		Y	0.94		2,325.50	No	0.1	YES
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Anthracene	2.7	mg/kg		Y	0.35		2,325.50	No	0.1	YES
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Anthracene	2.1	mg/kg	J	Y	2.9		2,325.50	No	0.1	YES
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Anthracene	1.4	mg/kg		Y	0.34		2,325.50	No	0.1	YES
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Anthracene	1.2	mg/kg		Y	0.73		2,325.50	No	0.1	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Anthracene	1	mg/kg		Y	0.35		2,325.50	No	0.1	YES
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Anthracene	0.86	mg/kg	J	Y	2		2,325.50	No	0.1	YES
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Anthracene	0.72	mg/kg		Y	0.58		2,325.50	No	0.1	YES
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Anthracene	0.63	mg/kg		Y	0.36		2,325.50	No	0.1	YES
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Anthracene	0.45	mg/kg	J	Y	3.6		2,325.50	No	0.1	YES
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Anthracene	0.37	mg/kg		Y	0.34		2,325.50	No	0.1	YES
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Anthracene	0.34	mg/kg	J	Y	0.39		2,325.50	No	0.1	YES
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Anthracene	0.25	mg/kg	J	Y	0.36		2,325.50	No	0.1	YES
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Anthracene	0.24	mg/kg	J	Y	0.42		2,325.50	No	0.1	YES
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Anthracene	0.23	mg/kg	J	Y	0.39		2,325.50	No	0.1	YES
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Anthracene	0.21	mg/kg	J	Y	0.34		2,325.50	No	0.1	YES
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Anthracene	0.17	mg/kg	J	Y	0.44		2,325.50	No	0.1	YES
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Anthracene	0.16	mg/kg	J	Y	0.34		2,325.50	No	0.1	YES
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Anthracene	0.15	mg/kg	J	Y	0.42		2,325.50	No	0.1	YES
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Anthracene	0.12	mg/kg	J	Y	0.38		2,325.50	No	0.1	YES
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Anthracene	0.12	mg/kg	J	Y	0.36		2,325.50	No	0.1	YES
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Anthracene	0.11	mg/kg	UJ	Y	0.35		2,325.50	No	0.1	YES
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Anthracene	0.11	mg/kg	J	Y	0.39		2,325.50	No	0.1	YES
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Anthracene	0.092	mg/kg	J	Y	0.42		2,325.50	No	0.1	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Anthracene	0.09	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Anthracene	0.087	mg/kg	J	Y	0.34		2,325.50	No	0.1	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Anthracene	0.086	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Anthracene	0.086	mg/kg	J	Y	0.45		2,325.50	No	0.1	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Anthracene	0.079	mg/kg	J	Y	0.36		2,325.50	No	0.1	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Anthracene	0.072	mg/kg	J	Y	0.5		2,325.50	No	0.1	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Anthracene	0.07	mg/kg	J	Y	0.35		2,325.50	No	0.1	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Anthracene	0.066	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Anthracene	0.063	mg/kg	J	Y	0.36		2,325.50	No	0.1	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Anthracene	0.062	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Anthracene	0.058	mg/kg	J	Y	0.5		2,325.50	No	0.1	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Anthracene	0.054	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Anthracene	0.052	mg/kg	J	Y	0.38		2,325.50	No	0.1	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Anthracene	0.051	mg/kg	J	Y	0.48		2,325.50	No	0.1	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Anthracene	0.05	mg/kg	J	Y	0.4		2,325.50	No	0.1	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Anthracene	0.049	mg/kg	J	Y	0.4		2,325.50	No	0.1	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Anthracene	0.049	mg/kg	J	Y	0.43		2,325.50	No	0.1	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Anthracene	0.045	mg/kg	J	Y	0.38		2,325.50	No	0.1	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Anthracene	0.038	mg/kg	J	Y	0.37		2,325.50	No	0.1	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Anthracene	0.029	mg/kg	J	Y	0.39		2,325.50	No	0.1	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Anthracene	4.3	mg/kg	U	N	4.3	2.15	2,325.50	No	0.1	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Anthracene	4.3	mg/kg	U	N	4.3	2.15	2,325.50	No	0.1	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Anthracene	4.2	mg/kg	U	N	4.2	2.1	2,325.50	No	0.1	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Anthracene	4	mg/kg	U	N	4	2	2,325.50	No	0.1	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Anthracene	3.6	mg/kg	U	N	3.6	1.8	2,325.50	No	0.1	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Anthracene	2.3	mg/kg	U	N	2.3	1.15	2,325.50	No	0.1	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Anthracene	0.55	mg/kg	U	N	0.55	0.275	2,325.50	No	0.1	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Anthracene	0.48	mg/kg	U	N	0.48	0.24	2,325.50	No	0.1	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Anthracene	0.47	mg/kg	U	N	0.47	0.235	2,325.50	No	0.1	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Anthracene	0.45	mg/kg	U	N	0.45	0.225	2,325.50	No	0.1	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Anthracene	0.45	mg/kg	U	N	0.45	0.225	2,325.50	No	0.1	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Anthracene	0.44	mg/kg	U	N	0.44	0.22	2,325.50	No	0.1	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Anthracene	0.44	mg/kg	U	N	0.44	0.22	2,325.50	No	0.1	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Anthracene	0.43	mg/kg	U	N	0.43	0.215	2,325.50	No	0.1	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Anthracene	0.43	mg/kg	U	N	0.43	0.215	2,325.50	No	0.1	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Anthracene	0.42	mg/kg	U	N	0.42	0.21	2,325.50	No	0.1	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Anthracene	0.4	mg/kg	R	N	0.4	0.2	2,325.50	No	0.1	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Anthracene	0.4	mg/kg	U	N	0.4	0.2	2,325.50	No	0.1	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Anthracene	0.39	mg/kg	R	N	0.39	0.195	2,325.50	No	0.1	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Anthracene	0.39	mg/kg	U	N	0.39	0.195	2,325.50	No	0.1	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Anthracene	0.38	mg/kg	U	N	0.38	0.19	2,325.50	No	0.1	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-148-GP[illegible]	SS	DB0025	22-Oct-98	No	YES	Anthracene	[illegible]	mg/kg	U	N	0.37	0.185	2,325.50	No	[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Anthracene	0.37	mg/kg	U	N	0.37	0.185	2,325.50	No	0.1	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Anthracene	0.36	mg/kg	UJ	N	0.36	0.18	2,325.50	No	0.1	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Anthracene	0.36	mg/kg	U	N	0.36	0.18	2,325.50	No	0.1	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Anthracene	0.35	mg/kg	UJ	N	0.35	0.175	2,325.50	No	0.1	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Anthracene	0.35	mg/kg	U	N	0.35	0.175	2,325.50	No	0.1	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Anthracene	0.34	mg/kg	U	N	0.34	0.17	2,325.50	No	0.1	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Anthracene	0.34	mg/kg	U	N	0.34	0.17	2,325.50	No	0.1	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Anthracene	0.34	mg/kg	U	N	0.34	0.17	2,325.50	No	0.1	No

Anthracene Total Number of Results: **107**

No. >MDL:	46	43%	**Range**	4.9	0.029	**Mean**	0.608	Overall	
No. <MDL:	61	57%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.362	Mean:	**0.468**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(a)anthracene	11	mg/kg		Y	2.9		0.85	YES	5.21	YES
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(a)anthracene	6	mg/kg		Y	1.7		0.85	YES	5.21	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(a)anthracene	6	mg/kg		Y	3.4		0.85	YES	5.21	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(a)anthracene	3.9	mg/kg		Y	0.35		0.85	YES	5.21	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(a)anthracene	3.2	mg/kg		Y	0.58		0.85	YES	5.21	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(a)anthracene	3	mg/kg		Y	0.34		0.85	YES	5.21	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(a)anthracene	1.9	mg/kg		Y	0.49		0.85	YES	5.21	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(a)anthracene	1	mg/kg		Y	0.94		0.85	YES	5.21	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(a)anthracene	0.94	mg/kg		Y	0.34		0.85	YES	5.21	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(a)anthracene	0.75	mg/kg		Y	0.36		0.85	No	5.21	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(a)anthracene	0.67	mg/kg		Y	0.42		0.85	No	5.21	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(a)anthracene	0.59	mg/kg		Y	0.36		0.85	No	5.21	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(a)anthracene	0.53	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(a)anthracene	0.52	mg/kg		Y	0.39		0.85	No	5.21	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(a)anthracene	0.45	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(a)anthracene	0.43	mg/kg		Y	0.34		0.85	No	5.21	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(a)anthracene	0.42	mg/kg	J	Y	0.73		0.85	No	5.21	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(a)anthracene	0.41	mg/kg	J	Y	3.6		0.85	No	5.21	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(a)anthracene	0.41	mg/kg	J	Y	0.42		0.85	No	5.21	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(a)anthracene	0.36	mg/kg	J	Y	0.44		0.85	No	5.21	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(a)anthracene	0.29	mg/kg	J	Y	0.34		0.85	No	5.21	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(a)anthracene	0.29	mg/kg	J	Y	0.34		0.85	No	5.21	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(a)anthracene	0.29	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(a)anthracene	0.27	mg/kg	J	Y	0.38		0.85	No	5.21	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(a)anthracene	0.27	mg/kg	J	Y	0.4		0.85	No	5.21	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(a)anthracene	0.26	mg/kg	J	Y	0.38		0.85	No	5.21	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(a)anthracene	0.26	mg/kg	J	Y	0.43		0.85	No	5.21	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(a)anthracene	0.23	mg/kg	J	Y	2		0.85	No	5.21	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(a)anthracene	0.22	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(a)anthracene	0.21	mg/kg	J	Y	0.5		0.85	No	5.21	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	0.48		0.85	No	5.21	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	0.42		0.85	No	5.21	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(a)anthracene	0.19	mg/kg	J	Y	4.3		0.85	No	5.21	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(a)anthracene	0.18	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(a)anthracene	0.17	mg/kg	J	Y	0.42		0.85	No	5.21	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(a)anthracene	0.16	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(a)anthracene	0.14	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.4		0.85	No	5.21	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(a)anthracene	0.13	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.37		0.85	No	5.21	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(a)anthracene	0.12	mg/kg	J	Y	0.35		0.85	No	5.21	No
PPMP-75-DE[illegible]	DEP	KJ0164	12-Mar-99	No	YES	Benzo(a)anthracene	[illegible]	mg/kg	J	Y	0.55		0.85	No	5.2[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(a)anthracene	0.11	mg/kg	J	Y	0.4		0.85	No	5.21	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(a)anthracene	0.096	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(a)anthracene	0.094	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(a)anthracene	0.084	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(a)anthracene	0.081	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(a)anthracene	0.079	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(a)anthracene	0.076	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(a)anthracene	0.076	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(a)anthracene	0.075	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(a)anthracene	0.074	mg/kg	J	Y	0.43		0.85	No	5.21	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(a)anthracene	0.066	mg/kg	J	Y	0.45		0.85	No	5.21	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(a)anthracene	0.063	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.4		0.85	No	5.21	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(a)anthracene	0.057	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(a)anthracene	0.053	mg/kg	J	Y	0.48		0.85	No	5.21	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(a)anthracene	0.053	mg/kg	J	Y	0.36		0.85	No	5.21	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(a)anthracene	0.051	mg/kg	J	Y	0.45		0.85	No	5.21	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(a)anthracene	0.048	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(a)anthracene	0.046	mg/kg	J	Y	0.43		0.85	No	5.21	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(a)anthracene	0.044	mg/kg	J	Y	0.44		0.85	No	5.21	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(a)anthracene	0.044	mg/kg	J	Y	0.42		0.85	No	5.21	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(a)anthracene	0.043	mg/kg	J	Y	0.45		0.85	No	5.21	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(a)anthracene	0.042	mg/kg	J	Y	0.39		0.85	No	5.21	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(a)anthracene	0.041	mg/kg	J	Y	0.39		0.85	No	5.21	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(a)anthracene	0.04	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(a)anthracene	0.039	mg/kg	J	Y	0.37		0.85	No	5.21	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(a)anthracene	0.038	mg/kg	J	Y	0.35		0.85	No	5.21	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(a)anthracene	0.037	mg/kg	J	Y	0.39		0.85	No	5.21	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(a)anthracene	0.037	mg/kg	J	Y	0.38		0.85	No	5.21	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(a)anthracene	0.032	mg/kg	J	Y	0.34		0.85	No	5.21	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(a)anthracene	4.3	mg/kg	U	N	4.3	2.15	0.85	No	5.21	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(a)anthracene	4.2	mg/kg	U	N	4.2	2.1	0.85	No	5.21	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(a)anthracene	4	mg/kg	U	N	4	2	0.85	No	5.21	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(a)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.85	No	5.21	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(a)anthracene	2.3	mg/kg	U	N	2.3	1.15	0.85	No	5.21	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(a)anthracene	0.5	mg/kg	U	N	0.5	0.25	0.85	No	5.21	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(a)anthracene	0.47	mg/kg	U	N	0.47	0.235	0.85	No	5.21	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(a)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	5.21	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	5.21	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(a)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	5.21	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(a)anthracene	0.4	mg/kg	UJ	N	0.4	0.2	0.85	No	5.21	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(a)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	5.21	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(a)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	5.21	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(a)anthracene	0.38	mg/kg	UJ	N	0.38	0.19	0.85	No	5.21	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(a)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	5.21	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	5.21	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(a)anthracene	0.36	mg/kg	UJ	N	0.36	0.18	0.85	No	5.21	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(a)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	5.21	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(a)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	5.21	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(a)anthracene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	5.21	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(a)anthracene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	5.21	No

Benzo(a)anthracene Total Number of Results: **107**

No. >MDL:	75	70%	**Range**	11	0.032	**Mean**	0.659	Overall	
No. <MDL:	32	30%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.450	Mean:	**0.597**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(a)pyrene	13	mg/kg		Y	2.9		8.51	YES	0.1	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(a)pyrene	9.7	mg/kg		Y	3.4		8.51	YES	0.1	YES
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(a)pyrene	5.3	mg/kg		Y	0.35		8.51	No	0.1	YES
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(a)pyrene	4.6	mg/kg		Y	0.58		8.51	No	0.1	YES
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(a)pyrene	3.8	mg/kg		Y	0.34		8.51	No	0.1	YES
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(a)pyrene	3.6	mg/kg		Y	0.49		8.51	No	0.1	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(a)pyrene	2.7	mg/kg		Y	0.35		8.51	No	0.1	YES
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(a)pyrene	2.3	mg/kg		Y	0.94		8.51	No	0.1	YES
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(a)pyrene	1.1	mg/kg	J	Y	3.6		8.51	No	0.1	YES
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(a)pyrene	1	mg/kg		Y	0.42		8.51	No	0.1	YES
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(a)pyrene	0.98	mg/kg	J	Y	0.42		8.51	No	0.1	YES
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(a)pyrene	0.85	mg/kg		Y	0.34		8.51	No	0.1	YES
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(a)pyrene	0.79	mg/kg		Y	0.73		8.51	No	0.1	YES
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(a)pyrene	0.79	mg/kg		Y	0.44		8.51	No	0.1	YES
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(a)pyrene	0.73	mg/kg		Y	0.36		8.51	No	0.1	YES
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(a)pyrene	0.73	mg/kg		Y	0.36		8.51	No	0.1	YES
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(a)pyrene	0.57	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(a)pyrene	0.52	mg/kg		Y	0.39		8.51	No	0.1	YES
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(a)pyrene	0.48	mg/kg		Y	0.34		8.51	No	0.1	YES
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(a)pyrene	0.43	mg/kg	J	Y	0.35		8.51	No	0.1	YES
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(a)pyrene	0.42	mg/kg	J	Y	2		8.51	No	0.1	YES
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(a)pyrene	0.4	mg/kg		Y	0.38		8.51	No	0.1	YES
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(a)pyrene	0.37	mg/kg		Y	0.36		8.51	No	0.1	YES
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(a)pyrene	0.36	mg/kg	J	Y	0.38		8.51	No	0.1	YES
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(a)pyrene	0.35	mg/kg		Y	0.34		8.51	No	0.1	YES
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(a)pyrene	0.34	mg/kg	J	Y	0.4		8.51	No	0.1	YES
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(a)pyrene	0.34	mg/kg	J	Y	0.43		8.51	No	0.1	YES
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(a)pyrene	0.32	mg/kg	J	Y	0.34		8.51	No	0.1	YES
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(a)pyrene	0.28	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(a)pyrene	0.26	mg/kg	J	Y	0.48		8.51	No	0.1	YES
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(a)pyrene	0.26	mg/kg	J	Y	0.42		8.51	No	0.1	YES
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(a)pyrene	0.25	mg/kg	J	Y	0.5		8.51	No	0.1	YES
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(a)pyrene	0.24	mg/kg	J	Y	0.37		8.51	No	0.1	YES
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(a)pyrene	0.24	mg/kg	J	Y	0.36		8.51	No	0.1	YES
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(a)pyrene	0.23	mg/kg	J	Y	0.42		8.51	No	0.1	YES
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(a)pyrene	0.23	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.39		8.51	No	0.1	YES
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(a)pyrene	0.18	mg/kg	J	Y	0.37		8.51	No	0.1	YES
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	4.3		8.51	No	0.1	YES
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(a)pyrene	0.17	mg/kg	J	Y	0.4		8.51	No	0.1	YES
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(a)pyrene	0.15	mg/kg	J	Y	0.55		8.51	No	0.1	YES
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(a)pyrene	0.14	mg/kg	J	Y	0.36		8.51	No	0.1	YES
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.37		8.51	No	0.1	YES
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.35		8.51	No	0.1	YES

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(a)pyrene	0.13	mg/kg	J	Y	0.4		8.51	No	0.1	YES
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.39		8.51	No	0.1	YES
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.37		8.51	No	0.1	YES
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35		8.51	No	0.1	YES
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(a)pyrene	0.12	mg/kg	J	Y	0.35		8.51	No	0.1	YES
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.44		8.51	No	0.1	YES
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.37		8.51	No	0.1	YES
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(a)pyrene	0.1	mg/kg	J	Y	0.36		8.51	No	0.1	YES
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(a)pyrene	0.098	mg/kg	J	Y	0.35		8.51	No	0.1	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(a)pyrene	0.097	mg/kg	J	Y	0.38		8.51	No	0.1	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(a)pyrene	0.094	mg/kg	J	Y	0.39		8.51	No	0.1	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(a)pyrene	0.093	mg/kg	J	Y	0.5		8.51	No	0.1	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(a)pyrene	0.09	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(a)pyrene	0.087	mg/kg	J	Y	0.45		8.51	No	0.1	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(a)pyrene	0.087	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(a)pyrene	0.086	mg/kg	J	Y	0.43		8.51	No	0.1	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(a)pyrene	0.07	mg/kg	J	Y	0.4		8.51	No	0.1	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(a)pyrene	0.068	mg/kg	J	Y	0.45		8.51	No	0.1	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(a)pyrene	0.067	mg/kg	J	Y	0.45		8.51	No	0.1	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(a)pyrene	0.065	mg/kg	J	Y	0.48		8.51	No	0.1	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(a)pyrene	0.063	mg/kg	J	Y	0.38		8.51	No	0.1	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(a)pyrene	0.059	mg/kg	J	Y	0.43		8.51	No	0.1	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(a)pyrene	0.059	mg/kg	J	Y	0.42		8.51	No	0.1	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(a)pyrene	0.058	mg/kg	J	Y	0.35		8.51	No	0.1	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(a)pyrene	0.057	mg/kg	J	Y	0.39		8.51	No	0.1	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(a)pyrene	0.052	mg/kg	J	Y	0.39		8.51	No	0.1	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(a)pyrene	0.049	mg/kg	J	Y	0.44		8.51	No	0.1	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(a)pyrene	0.047	mg/kg	J	Y	0.39		8.51	No	0.1	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(a)pyrene	0.046	mg/kg	J	Y	0.38		8.51	No	0.1	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(a)pyrene	0.046	mg/kg	J	Y	0.35		8.51	No	0.1	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(a)pyrene	0.043	mg/kg	J	Y	0.47		8.51	No	0.1	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(a)pyrene	0.041	mg/kg	J	Y	0.4		8.51	No	0.1	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(a)pyrene	0.04	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(a)pyrene	0.039	mg/kg	J	Y	0.34		8.51	No	0.1	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(a)pyrene	0.035	mg/kg	J	Y	0.39		8.51	No	0.1	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(a)pyrene	0.026	mg/kg	J	Y	0.37		8.51	No	0.1	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(a)pyrene	0.026	mg/kg	J	Y	0.36		8.51	No	0.1	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(a)pyrene	4.3	mg/kg	U	N	4.3	2.15	8.51	No	0.1	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(a)pyrene	4.2	mg/kg	U	N	4.2	2.1	8.51	No	0.1	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(a)pyrene	4	mg/kg	U	N	4	2	8.51	No	0.1	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(a)pyrene	3.6	mg/kg	U	N	3.6	1.8	8.51	No	0.1	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(a)pyrene	2.3	mg/kg	U	N	2.3	1.15	8.51	No	0.1	No
FTA-151-DEP[illegible]	DEP	BJ1015	9-Nov-98	No	YES	Benzo(a)pyrene	[illegible]2	mg/kg	U	N	0.42	0.21	8.51	No	0[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(a)pyrene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	0.1	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	0.1	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	0.1	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(a)pyrene	0.4	mg/kg	UJ	N	0.4	0.2	8.51	No	0.1	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(a)pyrene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	0.1	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(a)pyrene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	0.1	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(a)pyrene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	0.1	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	UJ	N	0.37	0.185	8.51	No	0.1	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(a)pyrene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	0.1	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	0.1	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(a)pyrene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	0.1	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(a)pyrene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	0.1	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(a)pyrene	0.34	mg/kg	U	N	0.34	0.17	8.51	No	0.1	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(a)pyrene	0.34	mg/kg	U	N	0.34	0.17	8.51	No	0.1	No

Benzo(a)pyrene Total Number of Results: **107**

No. >MDL:	81	76%	**Range**	13	0.026	**Mean**	0.775	Overall	
No. <MDL:	26	24%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.506	Mean:	**0.710**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(b)fluoranthene	14	mg/kg		Y	2.9		0.85	YES	59.8	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(b)fluoranthene	11	mg/kg		Y	3.4		0.85	YES	59.8	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(b)fluoranthene	7.2	mg/kg		Y	0.58		0.85	YES	59.8	No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(b)fluoranthene	5.9	mg/kg		Y	1.7		0.85	YES	59.8	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(b)fluoranthene	5.5	mg/kg		Y	0.34		0.85	YES	59.8	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(b)fluoranthene	3.6	mg/kg		Y	0.49		0.85	YES	59.8	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(b)fluoranthene	3.6	mg/kg	J	Y	0.35		0.85	YES	59.8	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(b)fluoranthene	2.5	mg/kg		Y	0.94		0.85	YES	59.8	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(b)fluoranthene	1.8	mg/kg	J	Y	0.42		0.85	YES	59.8	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(b)fluoranthene	1.2	mg/kg	J	Y	3.6		0.85	YES	59.8	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(b)fluoranthene	1.2	mg/kg	J	Y	0.34		0.85	YES	59.8	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(b)fluoranthene	1.2	mg/kg		Y	0.42		0.85	YES	59.8	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(b)fluoranthene	1	mg/kg		Y	0.36		0.85	YES	59.8	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.78	mg/kg		Y	0.34		0.85	No	59.8	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.76	mg/kg	J	Y	0.39		0.85	No	59.8	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(b)fluoranthene	0.75	mg/kg		Y	0.38		0.85	No	59.8	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(b)fluoranthene	0.72	mg/kg		Y	0.44		0.85	No	59.8	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(b)fluoranthene	0.71	mg/kg	J	Y	0.73		0.85	No	59.8	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(b)fluoranthene	0.7	mg/kg		Y	0.39		0.85	No	59.8	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(b)fluoranthene	0.67	mg/kg		Y	0.36		0.85	No	59.8	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(b)fluoranthene	0.62	mg/kg	J	Y	0.35		0.85	No	59.8	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.59	mg/kg	J	Y	0.43		0.85	No	59.8	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.51	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.46	mg/kg		Y	0.36		0.85	No	59.8	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.45	mg/kg		Y	0.38		0.85	No	59.8	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.4	mg/kg		Y	0.34		0.85	No	59.8	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.38	mg/kg		Y	0.34		0.85	No	59.8	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(b)fluoranthene	0.35	mg/kg	J	Y	0.37		0.85	No	59.8	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.34	mg/kg	J	Y	4.3		0.85	No	59.8	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.33	mg/kg	J	Y	0.48		0.85	No	59.8	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(b)fluoranthene	0.33	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.31	mg/kg	J	Y	0.5		0.85	No	59.8	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(b)fluoranthene	0.3	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.29	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(b)fluoranthene	0.29	mg/kg	J	Y	2		0.85	No	59.8	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.25	mg/kg	J	Y	0.42		0.85	No	59.8	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.24	mg/kg	J	Y	0.55		0.85	No	59.8	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.23	mg/kg	J	Y	0.42		0.85	No	59.8	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.22	mg/kg	J	Y	0.36		0.85	No	59.8	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(b)fluoranthene	0.22	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.21	mg/kg	J	Y	0.36		0.85	No	59.8	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.18	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.17	mg/kg	J	Y	0.44		0.85	No	59.8	No
FTA-151-GP[illegible]	SS	BJ0021	15-Sep-98	No	YES	Benzo(b)fluoranthene	[illegible]17	mg/kg	J	Y	0.37		0.85	No	59[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.15	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.14	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(b)fluoranthene	0.13	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(b)fluoranthene	0.13	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.38		0.85	No	59.8	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.37		0.85	No	59.8	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(b)fluoranthene	0.11	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.45		0.85	No	59.8	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.43		0.85	No	59.8	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(b)fluoranthene	0.1	mg/kg	J	Y	0.37		0.85	No	59.8	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.099	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.089	mg/kg	J	Y	0.48		0.85	No	59.8	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.087	mg/kg	J	Y	0.45		0.85	No	59.8	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.082	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(b)fluoranthene	0.08	mg/kg	J	Y	0.36		0.85	No	59.8	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(b)fluoranthene	0.079	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.075	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(b)fluoranthene	0.072	mg/kg	J	Y	0.38		0.85	No	59.8	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.071	mg/kg	J	Y	0.44		0.85	No	59.8	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(b)fluoranthene	0.069	mg/kg	J	Y	0.38		0.85	No	59.8	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(b)fluoranthene	0.069	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(b)fluoranthene	0.068	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.065	mg/kg	J	Y	0.42		0.85	No	59.8	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.062	mg/kg	J	Y	0.47		0.85	No	59.8	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.062	mg/kg	J	Y	0.43		0.85	No	59.8	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.058	mg/kg	J	Y	0.5		0.85	No	59.8	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.053	mg/kg	J	Y	0.45		0.85	No	59.8	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(b)fluoranthene	0.05	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(b)fluoranthene	0.049	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(b)fluoranthene	0.047	mg/kg	J	Y	0.35		0.85	No	59.8	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.045	mg/kg	J	Y	0.4		0.85	No	59.8	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(b)fluoranthene	0.044	mg/kg	J	Y	0.34		0.85	No	59.8	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.04	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(b)fluoranthene	0.037	mg/kg	J	Y	0.37		0.85	No	59.8	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(b)fluoranthene	0.036	mg/kg	J	Y	0.39		0.85	No	59.8	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(b)fluoranthene	4.3	mg/kg	U	N	4.3	2.15	0.85	No	59.8	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(b)fluoranthene	4.2	mg/kg	U	N	4.2	2.1	0.85	No	59.8	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(b)fluoranthene	4	mg/kg	UJ	N	4	2	0.85	No	59.8	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(b)fluoranthene	3.6	mg/kg	UJ	N	3.6	1.8	0.85	No	59.8	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(b)fluoranthene	2.3	mg/kg	U	N	2.3	1.15	0.85	No	59.8	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	59.8	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(b)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	59.8	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	59.8	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.4	mg/kg	UJ	N	0.4	0.2	0.85	No	59.8	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(b)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	59.8	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(b)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	59.8	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(b)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	0.85	No	59.8	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	0.85	No	59.8	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	59.8	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	59.8	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(b)fluoranthene	0.36	mg/kg	UJ	N	0.36	0.18	0.85	No	59.8	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(b)fluoranthene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	59.8	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(b)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	59.8	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(b)fluoranthene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	59.8	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(b)fluoranthene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	59.8	No

Benzo(b)fluoranthene Total Number of Results: **107**

No. >MDL:	81	76%	**Range**	14	0.036	**Mean**	0.934	Overall
No. <MDL:	26	24%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.505	Mean: **0.829**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(ghi)perylene	6.7	mg/kg		Y	3.4		231.72	No	119	No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(ghi)perylene	5.3	mg/kg		Y	2.9		231.72	No	119	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(ghi)perylene	2.4	mg/kg		Y	0.49		231.72	No	119	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(ghi)perylene	1.9	mg/kg		Y	0.94		231.72	No	119	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(ghi)perylene	1.7	mg/kg		Y	0.58		231.72	No	119	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(ghi)perylene	1.5	mg/kg	J	Y	2		231.72	No	119	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.35		231.72	No	119	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(ghi)perylene	1.1	mg/kg		Y	0.73		231.72	No	119	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(ghi)perylene	0.92	mg/kg		Y	0.36		231.72	No	119	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(ghi)perylene	0.83	mg/kg		Y	0.42		231.72	No	119	No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(ghi)perylene	0.79	mg/kg		Y	0.35		231.72	No	119	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(ghi)perylene	0.76	mg/kg		Y	0.34		231.72	No	119	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(ghi)perylene	0.69	mg/kg	J	Y	0.42		231.72	No	119	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(ghi)perylene	0.68	mg/kg		Y	0.44		231.72	No	119	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(ghi)perylene	0.55	mg/kg	J	Y	3.6		231.72	No	119	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(ghi)perylene	0.54	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(ghi)perylene	0.44	mg/kg		Y	0.39		231.72	No	119	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	J	Y	0.39		231.72	No	119	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	J	Y	0.4		231.72	No	119	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	J	Y	0.43		231.72	No	119	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg		Y	0.34		231.72	No	119	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(ghi)perylene	0.33	mg/kg	J	Y	0.34		231.72	No	119	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(ghi)perylene	0.28	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(ghi)perylene	0.27	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(ghi)perylene	0.27	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(ghi)perylene	0.21	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(ghi)perylene	0.2	mg/kg	J	Y	0.42		231.72	No	119	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(ghi)perylene	0.18	mg/kg	J	Y	0.4		231.72	No	119	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(ghi)perylene	0.17	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(ghi)perylene	0.17	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.34		231.72	No	119	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(ghi)perylene	0.16	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(ghi)perylene	0.15	mg/kg	J	Y	0.39		231.72	No	119	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(ghi)perylene	0.15	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(ghi)perylene	0.14	mg/kg	J	Y	0.34		231.72	No	119	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(ghi)perylene	0.13	mg/kg	J	Y	0.48		231.72	No	119	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(ghi)perylene	0.13	mg/kg	J	Y	4.3		231.72	No	119	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(ghi)perylene	0.12	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.42		231.72	No	119	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.38		231.72	No	119	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.44		231.72	No	119	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.36		231.72	No	119	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(ghi)perylene	0.11	mg/kg	J	Y	0.36		231.72	No	119	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(ghi)perylene	0.1	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(ghi)perylene	0.079	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(ghi)perylene	0.074	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(ghi)perylene	0.07	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(ghi)perylene	0.07	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(ghi)perylene	0.07	mg/kg	J	Y	0.5		231.72	No	119	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(ghi)perylene	0.064	mg/kg	J	Y	0.45		231.72	No	119	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(ghi)perylene	0.062	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(ghi)perylene	0.061	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(ghi)perylene	0.06	mg/kg	J	Y	0.45		231.72	No	119	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(ghi)perylene	0.059	mg/kg	J	Y	0.39		231.72	No	119	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(ghi)perylene	0.059	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(ghi)perylene	0.058	mg/kg	J	Y	0.37		231.72	No	119	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(ghi)perylene	0.051	mg/kg	J	Y	0.39		231.72	No	119	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(ghi)perylene	0.046	mg/kg	J	Y	0.5		231.72	No	119	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(ghi)perylene	0.04	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(ghi)perylene	0.038	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(ghi)perylene	0.036	mg/kg	J	Y	0.35		231.72	No	119	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Benzo(ghi)perylene	0.034	mg/kg	J	Y	0.4		231.72	No	119	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(ghi)perylene	0.029	mg/kg	J	Y	0.37		231.72	No	119	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(ghi)perylene	4.3	mg/kg	U	N	4.3	2.15	231.72	No	119	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(ghi)perylene	4.2	mg/kg	U	N	4.2	2.1	231.72	No	119	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(ghi)perylene	4	mg/kg	U	N	4	2	231.72	No	119	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(ghi)perylene	3.6	mg/kg	U	N	3.6	1.8	231.72	No	119	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(ghi)perylene	2.3	mg/kg	U	N	2.3	1.15	231.72	No	119	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(ghi)perylene	0.55	mg/kg	UJ	N	0.55	0.275	231.72	No	119	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(ghi)perylene	0.48	mg/kg	U	N	0.48	0.24	231.72	No	119	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(ghi)perylene	0.47	mg/kg	U	N	0.47	0.235	231.72	No	119	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(ghi)perylene	0.45	mg/kg	U	N	0.45	0.225	231.72	No	119	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(ghi)perylene	0.44	mg/kg	U	N	0.44	0.22	231.72	No	119	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43	0.215	231.72	No	119	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(ghi)perylene	0.43	mg/kg	U	N	0.43	0.215	231.72	No	119	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42	0.21	231.72	No	119	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42	0.21	231.72	No	119	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(ghi)perylene	0.42	mg/kg	U	N	0.42	0.21	231.72	No	119	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(ghi)perylene	0.4	mg/kg	UJ	N	0.4	0.2	231.72	No	119	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(ghi)perylene	0.4	mg/kg	U	N	0.4	0.2	231.72	No	119	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-151-GP3[illegible]	SS	BJ0077	6-Oct-98	No	YES	Benzo(ghi)perylene	[illegible]9	mg/kg	U	N	0.39	0.195	231.72	No	11[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(ghi)perylene	0.39	mg/kg	U	N	0.39	0.195	231.72	No	119	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(ghi)perylene	0.38	mg/kg	U	N	0.38	0.19	231.72	No	119	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(ghi)perylene	0.38	mg/kg	UJ	N	0.38	0.19	231.72	No	119	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(ghi)perylene	0.37	mg/kg	U	N	0.37	0.185	231.72	No	119	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(ghi)perylene	0.36	mg/kg	UJ	N	0.36	0.18	231.72	No	119	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(ghi)perylene	0.36	mg/kg	U	N	0.36	0.18	231.72	No	119	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(ghi)perylene	0.35	mg/kg	U	N	0.35	0.175	231.72	No	119	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34	0.17	231.72	No	119	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34	0.17	231.72	No	119	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(ghi)perylene	0.34	mg/kg	U	N	0.34	0.17	231.72	No	119	No

Benzo(ghi)perylene Total Number of Results: **107**

No. >MDL:	64	60%	**Range**	6.7	0.029	**Mean**	0.538	Overall
No. <MDL:	43	40%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.388	Mean: **0.478**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Benzo(k)fluoranthene	14	mg/kg		Y	2.9		8.51	YES	148	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Benzo(k)fluoranthene	11	mg/kg		Y	3.4		8.51	YES	148	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Benzo(k)fluoranthene	4.4	mg/kg		Y	0.58		8.51	No	148	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Benzo(k)fluoranthene	4.3	mg/kg		Y	0.49		8.51	No	148	No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Benzo(k)fluoranthene	3.9	mg/kg		Y	0.35		8.51	No	148	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Benzo(k)fluoranthene	2.7	mg/kg		Y	0.94		8.51	No	148	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Benzo(k)fluoranthene	2.7	mg/kg		Y	0.34		8.51	No	148	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Benzo(k)fluoranthene	2.2	mg/kg		Y	0.35		8.51	No	148	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Benzo(k)fluoranthene	1	mg/kg	J	Y	0.42		8.51	No	148	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.95	mg/kg	J	Y	3.6		8.51	No	148	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.95	mg/kg		Y	0.42		8.51	No	148	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Benzo(k)fluoranthene	0.9	mg/kg	J	Y	0.73		8.51	No	148	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.87	mg/kg		Y	0.44		8.51	No	148	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Benzo(k)fluoranthene	0.75	mg/kg		Y	0.36		8.51	No	148	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Benzo(k)fluoranthene	0.71	mg/kg		Y	0.39		8.51	No	148	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Benzo(k)fluoranthene	0.69	mg/kg		Y	0.36		8.51	No	148	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Benzo(k)fluoranthene	0.67	mg/kg		Y	0.34		8.51	No	148	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.52	mg/kg		Y	0.34		8.51	No	148	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.51	mg/kg		Y	0.34		8.51	No	148	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Benzo(k)fluoranthene	0.47	mg/kg		Y	0.37		8.51	No	148	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Benzo(k)fluoranthene	0.42	mg/kg	J	Y	2		8.51	No	148	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.38	mg/kg		Y	0.38		8.51	No	148	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	J	Y	0.42		8.51	No	148	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	J	Y	0.36		8.51	No	148	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.33	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.31	mg/kg	J	Y	0.5		8.51	No	148	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.3	mg/kg	J	Y	0.48		8.51	No	148	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.3	mg/kg	J	Y	0.34		8.51	No	148	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.28	mg/kg	J	Y	0.42		8.51	No	148	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.28	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.26	mg/kg	J	Y	0.36		8.51	No	148	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Benzo(k)fluoranthene	0.24	mg/kg	J	Y	0.38		8.51	No	148	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Benzo(k)fluoranthene	0.23	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.23	mg/kg	J	Y	0.39		8.51	No	148	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.22	mg/kg	J	Y	0.4		8.51	No	148	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.2	mg/kg	J	Y	0.36		8.51	No	148	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Benzo(k)fluoranthene	0.19	mg/kg	J	Y	0.35		8.51	No	148	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.17	mg/kg	J	Y	0.43		8.51	No	148	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Benzo(k)fluoranthene	0.15	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Benzo(k)fluoranthene	0.14	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-151-GP1[illegible]	SS	BJ0043	18-Sep-98	No	YES	Benzo(k)fluoranthene	[illegible]	mg/kg	J	Y	0.4		8.51	No	14[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.38		8.51	No	148	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.37		8.51	No	148	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Benzo(k)fluoranthene	0.13	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.44		8.51	No	148	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.36		8.51	No	148	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.39		8.51	No	148	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	4.3		8.51	No	148	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.12	mg/kg	J	Y	0.4		8.51	No	148	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	0.39		8.51	No	148	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	0.37		8.51	No	148	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.11	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.097	mg/kg	J	Y	0.43		8.51	No	148	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Benzo(k)fluoranthene	0.094	mg/kg	J	Y	0.45		8.51	No	148	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Benzo(k)fluoranthene	0.088	mg/kg	J	Y	0.38		8.51	No	148	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.086	mg/kg	J	Y	0.5		8.51	No	148	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.082	mg/kg	J	Y	0.48		8.51	No	148	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.082	mg/kg	J	Y	0.42		8.51	No	148	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Benzo(k)fluoranthene	0.081	mg/kg	J	Y	0.4		8.51	No	148	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.079	mg/kg	J	Y	0.45		8.51	No	148	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.071	mg/kg	J	Y	0.45		8.51	No	148	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Benzo(k)fluoranthene	0.071	mg/kg	J	Y	0.35		8.51	No	148	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.069	mg/kg	J	Y	0.37		8.51	No	148	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.061	mg/kg	J	Y	0.47		8.51	No	148	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.061	mg/kg	J	Y	0.43		8.51	No	148	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Benzo(k)fluoranthene	0.058	mg/kg	J	Y	0.39		8.51	No	148	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.058	mg/kg	J	Y	0.39		8.51	No	148	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.057	mg/kg	J	Y	0.44		8.51	No	148	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Benzo(k)fluoranthene	0.057	mg/kg	J	Y	0.34		8.51	No	148	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Benzo(k)fluoranthene	0.042	mg/kg	J	Y	0.38		8.51	No	148	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Benzo(k)fluoranthene	4.3	mg/kg	U	N	4.3	2.15	8.51	No	148	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Benzo(k)fluoranthene	4.2	mg/kg	U	N	4.2	2.1	8.51	No	148	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Benzo(k)fluoranthene	4	mg/kg	U	N	4	2	8.51	No	148	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Benzo(k)fluoranthene	3.6	mg/kg	U	N	3.6	1.8	8.51	No	148	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Benzo(k)fluoranthene	2.3	mg/kg	U	N	2.3	1.15	8.51	No	148	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.55	mg/kg	UJ	N	0.55	0.275	8.51	No	148	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	148	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Benzo(k)fluoranthene	0.42	mg/kg	U	N	0.42	0.21	8.51	No	148	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N	0.4	0.2	8.51	No	148	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	148	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	148	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	UJ	N	0.4	0.2	8.51	No	148	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Benzo(k)fluoranthene	0.4	mg/kg	U	N	0.4	0.2	8.51	No	148	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Benzo(k)fluoranthene	0.39	mg/kg	U	N	0.39	0.195	8.51	No	148	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Benzo(k)fluoranthene	0.38	mg/kg	UJ	N	0.38	0.19	8.51	No	148	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	8.51	No	148	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	8.51	No	148	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	UJ	N	0.37	0.185	8.51	No	148	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.37	mg/kg	U	N	0.37	0.185	8.51	No	148	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	148	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Benzo(k)fluoranthene	0.36	mg/kg	UJ	N	0.36	0.18	8.51	No	148	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Benzo(k)fluoranthene	0.36	mg/kg	U	N	0.36	0.18	8.51	No	148	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	U	N	0.35	0.175	8.51	No	148	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N	0.35	0.175	8.51	No	148	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Benzo(k)fluoranthene	0.35	mg/kg	UJ	N	0.35	0.175	8.51	No	148	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Benzo(k)fluoranthene	0.34	mg/kg	U	N	0.34	0.17	8.51	No	148	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Benzo(k)fluoranthene	0.34	mg/kg	U	N	0.34	0.17	8.51	No	148	No

Benzo(k)fluoranthene Total Number of Results: **107**

No. >MDL:	74	69%	**Range**	14	0.042	**Mean**	0.849	Overall	
No. <MDL:	33	31%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.441	Mean:	**0.723**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Chrysene	13	mg/kg		Y	2.9		86.05	No	4.73	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Chrysene	9.6	mg/kg		Y	3.4		86.05	No	4.73	YES
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Chrysene	5.4	mg/kg		Y	1.7		86.05	No	4.73	YES
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Chrysene	5	mg/kg		Y	0.58		86.05	No	4.73	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Chrysene	3.8	mg/kg		Y	0.35		86.05	No	4.73	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Chrysene	2.4	mg/kg	J	Y	3.6		86.05	No	4.73	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Chrysene	2.3	mg/kg		Y	0.34		86.05	No	4.73	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Chrysene	2.2	mg/kg		Y	0.49		86.05	No	4.73	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Chrysene	1.3	mg/kg		Y	0.94		86.05	No	4.73	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Chrysene	0.94	mg/kg		Y	0.34		86.05	No	4.73	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Chrysene	0.93	mg/kg		Y	0.42		86.05	No	4.73	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Chrysene	0.71	mg/kg		Y	0.36		86.05	No	4.73	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Chrysene	0.63	mg/kg		Y	0.39		86.05	No	4.73	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Chrysene	0.6	mg/kg	J	Y	0.39		86.05	No	4.73	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Chrysene	0.56	mg/kg		Y	0.42		86.05	No	4.73	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Chrysene	0.55	mg/kg		Y	0.34		86.05	No	4.73	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Chrysene	0.49	mg/kg	J	Y	0.73		86.05	No	4.73	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Chrysene	0.49	mg/kg		Y	0.36		86.05	No	4.73	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Chrysene	0.48	mg/kg	J	Y	0.35		86.05	No	4.73	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Chrysene	0.48	mg/kg		Y	0.44		86.05	No	4.73	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Chrysene	0.39	mg/kg		Y	0.34		86.05	No	4.73	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Chrysene	0.38	mg/kg		Y	0.37		86.05	No	4.73	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Chrysene	0.38	mg/kg		Y	0.38		86.05	No	4.73	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Chrysene	0.38	mg/kg		Y	0.36		86.05	No	4.73	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Chrysene	0.38	mg/kg		Y	0.38		86.05	No	4.73	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Chrysene	0.37	mg/kg	J	Y	0.4		86.05	No	4.73	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Chrysene	0.37	mg/kg	J	Y	0.43		86.05	No	4.73	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Chrysene	0.34	mg/kg		Y	0.34		86.05	No	4.73	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Chrysene	0.33	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Chrysene	0.31	mg/kg	J	Y	2		86.05	No	4.73	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Chrysene	0.3	mg/kg	J	Y	0.48		86.05	No	4.73	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Chrysene	0.29	mg/kg	J	Y	0.5		86.05	No	4.73	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Chrysene	0.28	mg/kg	J	Y	0.36		86.05	No	4.73	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Chrysene	0.24	mg/kg	J	Y	4.3		86.05	No	4.73	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Chrysene	0.23	mg/kg	J	Y	0.42		86.05	No	4.73	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Chrysene	0.22	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Chrysene	0.21	mg/kg	J	Y	0.42		86.05	No	4.73	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Chrysene	0.21	mg/kg	J	Y	0.36		86.05	No	4.73	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Chrysene	0.2	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Chrysene	0.16	mg/kg	J	Y	0.39		86.05	No	4.73	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Chrysene	0.16	mg/kg	J	Y	0.4		86.05	No	4.73	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Chrysene	0.15	mg/kg	J	Y	0.4		86.05	No	4.73	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Chrysene	0.15	mg/kg	J	Y	0.55		86.05	No	4.73	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Chrysene	0.15	mg/kg	J	Y	0.35		86.05	No	4.73	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Chrysene	0.14	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Chrysene	0.13	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Chrysene	0.12	mg/kg	J	Y	0.44		86.05	No	4.73	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Chrysene	0.12	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Chrysene	0.11	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Chrysene	0.1	mg/kg	J	Y	0.43		86.05	No	4.73	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Chrysene	0.1	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Chrysene	0.099	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Chrysene	0.098	mg/kg	J	Y	0.37		86.05	No	4.73	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Chrysene	0.086	mg/kg	J	Y	0.35		86.05	No	4.73	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Chrysene	0.085	mg/kg	J	Y	0.45		86.05	No	4.73	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Chrysene	0.081	mg/kg	J	Y	0.48		86.05	No	4.73	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Chrysene	0.075	mg/kg	J	Y	0.4		86.05	No	4.73	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Chrysene	0.074	mg/kg	J	Y	0.42		86.05	No	4.73	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Chrysene	0.074	mg/kg	J	Y	0.36		86.05	No	4.73	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Chrysene	0.072	mg/kg	J	Y	0.5		86.05	No	4.73	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Chrysene	0.07	mg/kg	J	Y	0.38		86.05	No	4.73	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Chrysene	0.067	mg/kg	J	Y	0.43		86.05	No	4.73	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Chrysene	0.065	mg/kg	J	Y	0.45		86.05	No	4.73	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Chrysene	0.056	mg/kg	J	Y	0.47		86.05	No	4.73	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Chrysene	0.056	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Chrysene	0.054	mg/kg	J	Y	0.44		86.05	No	4.73	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Chrysene	0.054	mg/kg	J	Y	0.45		86.05	No	4.73	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Chrysene	0.053	mg/kg	J	Y	0.38		86.05	No	4.73	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Chrysene	0.049	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Chrysene	0.048	mg/kg	J	Y	0.34		86.05	No	4.73	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Chrysene	0.048	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Chrysene	0.047	mg/kg	J	Y	0.37		86.05	No	4.73	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Chrysene	0.044	mg/kg	J	Y	0.35		86.05	No	4.73	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Chrysene	0.043	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Chrysene	0.04	mg/kg	J	Y	0.39		86.05	No	4.73	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Chrysene	4.3	mg/kg	U	N	4.3	2.15	86.05	No	4.73	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Chrysene	4.2	mg/kg	U	N	4.2	2.1	86.05	No	4.73	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Chrysene	4	mg/kg	U	N	4	2	86.05	No	4.73	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Chrysene	3.6	mg/kg	U	N	3.6	1.8	86.05	No	4.73	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Chrysene	2.3	mg/kg	U	N	2.3	1.15	86.05	No	4.73	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Chrysene	0.42	mg/kg	U	N	0.42	0.21	86.05	No	4.73	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Chrysene	0.42	mg/kg	U	N	0.42	0.21	86.05	No	4.73	No
FTA-64-GP0[illegible]	SS	EA0014	12-Oct-98	No	YES	Chrysene	[illegible]4	mg/kg	U	N	0.4	0.2	86.05	No	4.7[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Chrysene	0.4	mg/kg	U	N	0.4	0.2	86.05	No	4.73	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Chrysene	0.4	mg/kg	U	N	0.4	0.2	86.05	No	4.73	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Chrysene	0.4	mg/kg	UJ	N	0.4	0.2	86.05	No	4.73	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Chrysene	0.4	mg/kg	U	N	0.4	0.2	86.05	No	4.73	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Chrysene	0.39	mg/kg	U	N	0.39	0.195	86.05	No	4.73	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Chrysene	0.38	mg/kg	UJ	N	0.38	0.19	86.05	No	4.73	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Chrysene	0.37	mg/kg	U	N	0.37	0.185	86.05	No	4.73	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Chrysene	0.36	mg/kg	U	N	0.36	0.18	86.05	No	4.73	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Chrysene	0.36	mg/kg	UJ	N	0.36	0.18	86.05	No	4.73	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Chrysene	0.36	mg/kg	U	N	0.36	0.18	86.05	No	4.73	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Chrysene	0.35	mg/kg	U	N	0.35	0.175	86.05	No	4.73	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Chrysene	0.34	mg/kg	U	N	0.34	0.17	86.05	No	4.73	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Chrysene	0.34	mg/kg	U	N	0.34	0.17	86.05	No	4.73	No

Chrysene Total Number of Results: **107**

No. >MDL:	79	74%	**Range**	13	0.04	**Mean**	0.775	Overall	
No. <MDL:	28	26%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.483	Mean:	**0.699**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Dibenz(a,h)anthracene	2.9	mg/kg		Y	2.9		0.09	YES	18.4	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Dibenz(a,h)anthracene	2.7	mg/kg	J	Y	3.4		0.09	YES	18.4	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Dibenz(a,h)anthracene	0.96	mg/kg		Y	0.49		0.09	YES	18.4	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.91	mg/kg		Y	0.58		0.09	YES	18.4	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.68	mg/kg	J	Y	0.94		0.09	YES	18.4	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.67	mg/kg		Y	0.34		0.09	YES	18.4	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Dibenz(a,h)anthracene	0.57	mg/kg		Y	0.35		0.09	YES	18.4	No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Dibenz(a,h)anthracene	0.52	mg/kg		Y	0.35		0.09	YES	18.4	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg		Y	0.36		0.09	YES	18.4	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Dibenz(a,h)anthracene	0.32	mg/kg	J	Y	0.73		0.09	YES	18.4	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.31	mg/kg	J	Y	0.42		0.09	YES	18.4	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Dibenz(a,h)anthracene	0.29	mg/kg	J	Y	2		0.09	YES	18.4	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.27	mg/kg	J	Y	0.44		0.09	YES	18.4	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Dibenz(a,h)anthracene	0.19	mg/kg	J	Y	0.42		0.09	YES	18.4	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Dibenz(a,h)anthracene	0.18	mg/kg	J	Y	0.39		0.09	YES	18.4	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.18	mg/kg	J	Y	0.34		0.09	YES	18.4	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Dibenz(a,h)anthracene	0.17	mg/kg	J	Y	0.34		0.09	YES	18.4	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.12	mg/kg	J	Y	0.39		0.09	YES	18.4	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Dibenz(a,h)anthracene	0.1	mg/kg	J	Y	0.36		0.09	YES	18.4	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.1	mg/kg	J	Y	0.4		0.09	YES	18.4	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.099	mg/kg	J	Y	0.36		0.09	YES	18.4	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.093	mg/kg	J	Y	0.42		0.09	YES	18.4	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.088	mg/kg	J	Y	0.34		0.09	YES	18.4	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.086	mg/kg	J	Y	0.38		0.09	YES	18.4	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.086	mg/kg	J	Y	0.43		0.09	YES	18.4	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.082	mg/kg	J	Y	0.34		0.09	No	18.4	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y	0.37		0.09	No	18.4	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Dibenz(a,h)anthracene	0.075	mg/kg	J	Y	0.38		0.09	No	18.4	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.07	mg/kg	J	Y	0.48		0.09	No	18.4	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Dibenz(a,h)anthracene	0.07	mg/kg	J	Y	0.39		0.09	No	18.4	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.068	mg/kg	J	Y	0.4		0.09	No	18.4	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.06	mg/kg	J	Y	0.42		0.09	No	18.4	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.06	mg/kg	J	Y	0.36		0.09	No	18.4	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.059	mg/kg	J	Y	0.36		0.09	No	18.4	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.05	mg/kg	J	Y	0.39		0.09	No	18.4	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.048	mg/kg	J	Y	0.35		0.09	No	18.4	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Dibenz(a,h)anthracene	0.045	mg/kg	J	Y	0.39		0.09	No	18.4	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.044	mg/kg	J	Y	0.37		0.09	No	18.4	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Dibenz(a,h)anthracene	0.04	mg/kg	J	Y	0.38		0.09	No	18.4	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Dibenz(a,h)anthracene	0.04	mg/kg	J	Y	0.35		0.09	No	18.4	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.037	mg/kg	J	Y	0.37		0.09	No	18.4	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.036	mg/kg	J	Y	0.35		0.09	No	18.4	No
FTA-149-DEP	DEP	DG0031	11-Nov-98	No	YES	Dibenz(a,h)anthracene	[illegible]	mg/kg	U	N	4.3	2.15	0.09	No	18	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Dibenz(a,h)anthracene	4.3	mg/kg	UJ	N	4.3	2.15	0.09	No	18.4	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Dibenz(a,h)anthracene	4.2	mg/kg	U	N	4.2	2.1	0.09	No	18.4	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Dibenz(a,h)anthracene	4	mg/kg	U	N	4	2	0.09	No	18.4	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.09	No	18.4	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Dibenz(a,h)anthracene	3.6	mg/kg	U	N	3.6	1.8	0.09	No	18.4	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Dibenz(a,h)anthracene	2.3	mg/kg	U	N	2.3	1.15	0.09	No	18.4	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Dibenz(a,h)anthracene	0.55	mg/kg	UJ	N	0.55	0.275	0.09	No	18.4	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.5	mg/kg	U	N	0.5	0.25	0.09	No	18.4	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.5	mg/kg	U	N	0.5	0.25	0.09	No	18.4	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.48	mg/kg	U	N	0.48	0.24	0.09	No	18.4	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.47	mg/kg	U	N	0.47	0.235	0.09	No	18.4	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Dibenz(a,h)anthracene	0.45	mg/kg	U	N	0.45	0.225	0.09	No	18.4	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.45	mg/kg	U	N	0.45	0.225	0.09	No	18.4	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.45	mg/kg	U	N	0.45	0.225	0.09	No	18.4	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.09	No	18.4	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.44	mg/kg	U	N	0.44	0.22	0.09	No	18.4	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43	0.215	0.09	No	18.4	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.43	mg/kg	U	N	0.43	0.215	0.09	No	18.4	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.09	No	18.4	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.09	No	18.4	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Dibenz(a,h)anthracene	0.42	mg/kg	U	N	0.42	0.21	0.09	No	18.4	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	No	18.4	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	No	18.4	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	No	18.4	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	No	18.4	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	No	18.4	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	UJ	N	0.4	0.2	0.09	No	18.4	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Dibenz(a,h)anthracene	0.4	mg/kg	U	N	0.4	0.2	0.09	No	18.4	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.39	mg/kg	U	N	0.39	0.195	0.09	No	18.4	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	No	18.4	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.38	mg/kg	U	N	0.38	0.19	0.09	No	18.4	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Dibenz(a,h)anthracene	0.38	mg/kg	UJ	N	0.38	0.19	0.09	No	18.4	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	UJ	N	0.37	0.185	0.09	No	18.4	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.37	mg/kg	U	N	0.37	0.185	0.09	No	18.4	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	No	18.4	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	No	18.4	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	UJ	N	0.36	0.18	0.09	No	18.4	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Dibenz(a,h)anthracene	0.36	mg/kg	U	N	0.36	0.18	0.09	No	18.4	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	UJ	N	0.35	0.175	0.09	No	18.4	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	No	18.4	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	No	18.4	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	No	18.4	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	No	18.4	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Dibenz(a,h)anthracene	0.35	mg/kg	U	N	0.35	0.175	0.09	No	18.4	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34	0.17	0.09	No	18.4	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34	0.17	0.09	No	18.4	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Dibenz(a,h)anthracene	0.34	mg/kg	U	N	0.34	0.17	0.09	No	18.4	No

Dibenz(a,h)anthracene Total Number of Results: **107**

No. >MDL:	42	39%	**Range**	2.9	0.036	**Mean**	0.332	Overall	
No. <MDL:	65	61%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.378	Mean:	**0.360**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Fluoranthene	24	mg/kg		Y	2.9		308.96	No	0.1	YES
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Fluoranthene	13	mg/kg		Y	1.7		308.96	No	0.1	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Fluoranthene	13	mg/kg		Y	3.4		308.96	No	0.1	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Fluoranthene	8.4	mg/kg		Y	0.71		308.96	No	0.1	YES
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Fluoranthene	8	mg/kg		Y	0.58		308.96	No	0.1	YES
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Fluoranthene	2.3	mg/kg		Y	0.34		308.96	No	0.1	YES
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Fluoranthene	2.1	mg/kg		Y	0.49		308.96	No	0.1	YES
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Fluoranthene	1.7	mg/kg		Y	0.34		308.96	No	0.1	YES
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Fluoranthene	1.7	mg/kg		Y	0.42		308.96	No	0.1	YES
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Fluoranthene	1.6	mg/kg		Y	0.36		308.96	No	0.1	YES
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Fluoranthene	1.4	mg/kg	J	Y	3.6		308.96	No	0.1	YES
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Fluoranthene	1.2	mg/kg		Y	0.94		308.96	No	0.1	YES
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Fluoranthene	1.2	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Fluoranthene	0.85	mg/kg		Y	0.39		308.96	No	0.1	YES
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Fluoranthene	0.81	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Fluoranthene	0.8	mg/kg		Y	0.37		308.96	No	0.1	YES
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Fluoranthene	0.74	mg/kg		Y	0.36		308.96	No	0.1	YES
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Fluoranthene	0.73	mg/kg		Y	0.39		308.96	No	0.1	YES
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Fluoranthene	0.73	mg/kg		Y	0.42		308.96	No	0.1	YES
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Fluoranthene	0.7	mg/kg		Y	0.34		308.96	No	0.1	YES
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Fluoranthene	0.68	mg/kg		Y	0.34		308.96	No	0.1	YES
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Fluoranthene	0.66	mg/kg		Y	0.38		308.96	No	0.1	YES
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Fluoranthene	0.58	mg/kg		Y	0.34		308.96	No	0.1	YES
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Fluoranthene	0.57	mg/kg	J	Y	4		308.96	No	0.1	YES
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Fluoranthene	0.55	mg/kg	J	Y	0.73		308.96	No	0.1	YES
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Fluoranthene	0.53	mg/kg		Y	0.5		308.96	No	0.1	YES
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Fluoranthene	0.52	mg/kg		Y	0.36		308.96	No	0.1	YES
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Fluoranthene	0.46	mg/kg		Y	0.36		308.96	No	0.1	YES
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Fluoranthene	0.45	mg/kg	J	Y	0.4		308.96	No	0.1	YES
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Fluoranthene	0.44	mg/kg		Y	0.42		308.96	No	0.1	YES
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Fluoranthene	0.44	mg/kg	J	Y	0.43		308.96	No	0.1	YES
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Fluoranthene	0.43	mg/kg	J	Y	0.48		308.96	No	0.1	YES
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Fluoranthene	0.42	mg/kg	J	Y	0.44		308.96	No	0.1	YES
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Fluoranthene	0.41	mg/kg	J	Y	4.3		308.96	No	0.1	YES
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Fluoranthene	0.37	mg/kg	J	Y	0.38		308.96	No	0.1	YES
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Fluoranthene	0.32	mg/kg	J	Y	0.36		308.96	No	0.1	YES
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Fluoranthene	0.31	mg/kg	J	Y	0.42		308.96	No	0.1	YES
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Fluoranthene	0.31	mg/kg	J	Y	0.39		308.96	No	0.1	YES
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Fluoranthene	0.26	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Fluoranthene	0.23	mg/kg	J	Y	2		308.96	No	0.1	YES
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Fluoranthene	0.23	mg/kg	J	Y	0.37		308.96	No	0.1	YES
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Fluoranthene	0.23	mg/kg	J	Y	0.37		308.96	No	0.1	YES
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Fluoranthene	0.22	mg/kg	J	Y	0.4		308.96	No	0.1	YES
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Fluoranthene	0.21	mg/kg	J	Y	0.37		308.96	No	0.1	YES

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Fluoranthene	0.2	mg/kg	J	Y	0.37		308.96	No	0.1	YES
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Fluoranthene	0.18	mg/kg	J	Y	0.43		308.96	No	0.1	YES
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Fluoranthene	0.17	mg/kg	J	Y	0.55		308.96	No	0.1	YES
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Fluoranthene	0.16	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Fluoranthene	0.15	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Fluoranthene	0.15	mg/kg	J	Y	0.38		308.96	No	0.1	YES
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Fluoranthene	0.14	mg/kg	J	Y	0.35		308.96	No	0.1	YES
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Fluoranthene	0.14	mg/kg	J	Y	0.39		308.96	No	0.1	YES
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Fluoranthene	0.13	mg/kg	J	Y	0.45		308.96	No	0.1	YES
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Fluoranthene	0.12	mg/kg	J	Y	0.45		308.96	No	0.1	YES
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Fluoranthene	0.12	mg/kg	J	Y	0.48		308.96	No	0.1	YES
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Fluoranthene	0.12	mg/kg	J	Y	0.4		308.96	No	0.1	YES
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.43		308.96	No	0.1	YES
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.4		308.96	No	0.1	YES
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.42		308.96	No	0.1	YES
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Fluoranthene	0.11	mg/kg	J	Y	0.37		308.96	No	0.1	YES
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Fluoranthene	0.084	mg/kg	J	Y	0.37		308.96	No	0.1	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Fluoranthene	0.082	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Fluoranthene	0.08	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Fluoranthene	0.08	mg/kg	J	Y	0.38		308.96	No	0.1	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Fluoranthene	0.079	mg/kg	J	Y	0.36		308.96	No	0.1	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Fluoranthene	0.077	mg/kg	J	Y	0.5		308.96	No	0.1	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Fluoranthene	0.074	mg/kg	J	Y	0.37		308.96	No	0.1	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Fluoranthene	0.07	mg/kg	J	Y	0.47		308.96	No	0.1	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Fluoranthene	0.067	mg/kg	J	Y	0.44		308.96	No	0.1	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Fluoranthene	0.066	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Fluoranthene	0.063	mg/kg	J	Y	0.38		308.96	No	0.1	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Fluoranthene	0.062	mg/kg	J	Y	0.44		308.96	No	0.1	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Fluoranthene	0.061	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Fluoranthene	0.06	mg/kg	J	Y	0.4		308.96	No	0.1	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Fluoranthene	0.059	mg/kg	J	Y	0.35		308.96	No	0.1	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Fluoranthene	0.058	mg/kg	J	Y	0.34		308.96	No	0.1	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Fluoranthene	0.054	mg/kg	J	Y	0.39		308.96	No	0.1	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Fluoranthene	0.052	mg/kg	J	Y	0.45		308.96	No	0.1	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Fluoranthene	0.047	mg/kg	J	Y	0.37		308.96	No	0.1	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Fluoranthene	0.046	mg/kg	J	Y	0.36		308.96	No	0.1	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Fluoranthene	0.045	mg/kg	J	Y	0.37		308.96	No	0.1	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Fluoranthene	0.045	mg/kg	J	Y	0.35		308.96	No	0.1	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Fluoranthene	0.044	mg/kg	J	Y	0.42		308.96	No	0.1	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Fluoranthene	0.043	mg/kg	J	Y	0.37		308.96	No	0.1	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Fluoranthene	0.04	mg/kg	J	Y	0.37		308.96	No	0.1	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Fluoranthene	0.038	mg/kg	J	Y	0.36		308.96	No	0.1	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Fluoranthene	0.038	mg/kg	J	Y	0.37		308.96	No	0.1	No
PPMP-143-G[illegible]	SS	KP0015	12-Jan-99	No	YES	Fluoranthene	[illegible]	mg/kg	J	Y	0.35		308.96	No	[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Fluoranthene	4.3	mg/kg	U	N	4.3	2.15	308.96	No	0.1	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Fluoranthene	4.2	mg/kg	U	N	4.2	2.1	308.96	No	0.1	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Fluoranthene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	0.1	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Fluoranthene	2.3	mg/kg	U	N	2.3	1.15	308.96	No	0.1	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Fluoranthene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	0.1	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	0.1	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	0.1	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	0.1	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Fluoranthene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	0.1	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Fluoranthene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	0.1	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Fluoranthene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	0.1	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Fluoranthene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	0.1	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Fluoranthene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	0.1	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Fluoranthene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	0.1	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Fluoranthene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	0.1	No

Fluoranthene Total Number of Results: **107**

No. >MDL:	88	82%	**Range**	24	0.03	**Mean**	1.121	Overall	
No. <MDL:	19	18%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.526	Mean:	1.015

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Fluorene	1.3	mg/kg		Y	0.35		308.96	No	122	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Fluorene	0.55	mg/kg		Y	0.35		308.96	No	122	No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Fluorene	0.32	mg/kg	J	Y	2.9		308.96	No	122	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Fluorene	0.29	mg/kg	J	Y	0.49		308.96	No	122	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Fluorene	0.18	mg/kg	J	Y	0.34		308.96	No	122	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Fluorene	0.12	mg/kg	J	Y	0.39		308.96	No	122	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Fluorene	0.11	mg/kg	J	Y	0.94		308.96	No	122	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Fluorene	0.11	mg/kg	J	Y	0.58		308.96	No	122	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Fluorene	0.091	mg/kg	J	Y	0.36		308.96	No	122	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Fluorene	0.08	mg/kg	J	Y	0.73		308.96	No	122	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Fluorene	0.067	mg/kg	J	Y	0.34		308.96	No	122	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Fluorene	0.055	mg/kg	J	Y	0.39		308.96	No	122	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Fluorene	0.041	mg/kg	J	Y	0.36		308.96	No	122	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Fluorene	0.037	mg/kg	J	Y	0.34		308.96	No	122	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Fluorene	4.3	mg/kg	U	N	4.3	2.15	308.96	No	122	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Fluorene	4.3	mg/kg	U	N	4.3	2.15	308.96	No	122	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Fluorene	4.2	mg/kg	U	N	4.2	2.1	308.96	No	122	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Fluorene	4	mg/kg	U	N	4	2	308.96	No	122	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Fluorene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	122	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Fluorene	3.6	mg/kg	U	N	3.6	1.8	308.96	No	122	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Fluorene	3.4	mg/kg	U	N	3.4	1.7	308.96	No	122	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Fluorene	2.3	mg/kg	U	N	2.3	1.15	308.96	No	122	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Fluorene	2	mg/kg	U	N	2	1	308.96	No	122	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Fluorene	0.55	mg/kg	U	N	0.55	0.275	308.96	No	122	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Fluorene	0.5	mg/kg	U	N	0.5	0.25	308.96	No	122	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Fluorene	0.5	mg/kg	U	N	0.5	0.25	308.96	No	122	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Fluorene	0.48	mg/kg	U	N	0.48	0.24	308.96	No	122	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Fluorene	0.48	mg/kg	U	N	0.48	0.24	308.96	No	122	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Fluorene	0.47	mg/kg	U	N	0.47	0.235	308.96	No	122	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Fluorene	0.45	mg/kg	U	N	0.45	0.225	308.96	No	122	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Fluorene	0.45	mg/kg	U	N	0.45	0.225	308.96	No	122	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Fluorene	0.45	mg/kg	U	N	0.45	0.225	308.96	No	122	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Fluorene	0.44	mg/kg	U	N	0.44	0.22	308.96	No	122	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Fluorene	0.43	mg/kg	U	N	0.43	0.215	308.96	No	122	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Fluorene	0.43	mg/kg	U	N	0.43	0.215	308.96	No	122	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Fluorene	0.43	mg/kg	R	N	0.43	0.215	308.96	No	122	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
PPMP-75-DE[illegible]	DEP	KJ0160	17-Mar-99	No	YES	Fluorene	[illegible]	mg/kg	U	N	0.42	0.21	308.96	No	1[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Fluorene	0.42	mg/kg	U	N	0.42	0.21	308.96	No	122	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Fluorene	0.4	mg/kg	R	N	0.4	0.2	308.96	No	122	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Fluorene	0.4	mg/kg	U	N	0.4	0.2	308.96	No	122	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Fluorene	0.39	mg/kg	R	N	0.39	0.195	308.96	No	122	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Fluorene	0.39	mg/kg	U	N	0.39	0.195	308.96	No	122	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Fluorene	0.38	mg/kg	U	N	0.38	0.19	308.96	No	122	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Fluorene	0.37	mg/kg	U	N	0.37	0.185	308.96	No	122	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Fluorene	0.36	mg/kg	UJ	N	0.36	0.18	308.96	No	122	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Fluorene	0.36	mg/kg	U	N	0.36	0.18	308.96	No	122	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Fluorene	0.35	mg/kg	UJ	N	0.35	0.175	308.96	No	122	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Fluorene	0.35	mg/kg	UJ	N	0.35	0.175	308.96	No	122	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Fluorene	0.35	mg/kg	U	N	0.35	0.175	308.96	No	122	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	122	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	122	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	122	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	122	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Fluorene	0.34	mg/kg	U	N	0.34	0.17	308.96	No	122	No

Fluorene Total Number of Results: **107**

No. >MDL:	14	13%	**Range**	1.3	0.037	**Mean**	0.239	Overall	
No. <MDL:	93	87%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.348	Mean:	**0.333**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	6.2	mg/kg		Y	3.4		0.85	YES	109	No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	5.8	mg/kg		Y	2.9		0.85	YES	109	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2.1	mg/kg		Y	0.49		0.85	YES	109	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2	mg/kg		Y	0.58		0.85	YES	109	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	1.7	mg/kg		Y	0.94		0.85	YES	109	No
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	1.2	mg/kg		Y	0.35		0.85	YES	109	No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.98	mg/kg		Y	0.35		0.85	YES	109	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.97	mg/kg		Y	0.34		0.85	YES	109	No
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.82	mg/kg	J	Y	0.42		0.85	No	109	No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.82	mg/kg		Y	0.42		0.85	No	109	No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.74	mg/kg		Y	0.73		0.85	No	109	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.73	mg/kg		Y	0.36		0.85	No	109	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.69	mg/kg	J	Y	2		0.85	No	109	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.63	mg/kg		Y	0.44		0.85	No	109	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.49	mg/kg	J	Y	3.6		0.85	No	109	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.46	mg/kg		Y	0.39		0.85	No	109	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg		Y	0.34		0.85	No	109	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg		Y	0.34		0.85	No	109	No
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.32	mg/kg	J	Y	0.4		0.85	No	109	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.31	mg/kg	J	Y	0.35		0.85	No	109	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.3	mg/kg	J	Y	0.43		0.85	No	109	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.29	mg/kg	J	Y	0.38		0.85	No	109	No
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y	0.36		0.85	No	109	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.28	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.21	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.2	mg/kg	J	Y	0.42		0.85	No	109	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.18	mg/kg	J	Y	0.38		0.85	No	109	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	J	Y	0.34		0.85	No	109	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.16	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.34		0.85	No	109	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.15	mg/kg	J	Y	0.4		0.85	No	109	No
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.14	mg/kg	J	Y	0.48		0.85	No	109	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	0.42		0.85	No	109	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.12	mg/kg	J	Y	4.3		0.85	No	109	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.11	mg/kg	J	Y	0.36		0.85	No	109	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.099	mg/kg	J	Y	0.44		0.85	No	109	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Indeno(1,2,3-cd)pyrene	0.097	mg/kg	J	Y	0.38		0.85	No	109	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.095	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.086	mg/kg	J	Y	0.35		0.85	No	109	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Indeno(1,2,3-cd)pyrene	0.085	mg/kg	J	Y	0.38		0.85	No	109	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.081	mg/kg	J	Y	0.5		0.85	No	109	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.075	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.074	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.073	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.067	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.065	mg/kg	J	Y	0.37		0.85	No	109	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.062	mg/kg	J	Y	0.35		0.85	No	109	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.061	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.059	mg/kg	J	Y	0.45		0.85	No	109	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.055	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.052	mg/kg	J	Y	0.45		0.85	No	109	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	J	Y	0.43		0.85	No	109	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.044	mg/kg	J	Y	0.39		0.85	No	109	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.041	mg/kg	J	Y	0.4		0.85	No	109	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.038	mg/kg	J	Y	0.37		0.85	No	109	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	4.3	mg/kg	U	N	4.3	2.15	0.85	No	109	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	4.2	mg/kg	U	N	4.2	2.1	0.85	No	109	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	4	mg/kg	U	N	4	2	0.85	No	109	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	3.6	mg/kg	U	N	3.6	1.8	0.85	No	109	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	2.3	mg/kg	U	N	2.3	1.15	0.85	No	109	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.55	mg/kg	UJ	N	0.55	0.275	0.85	No	109	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.5	mg/kg	U	N	0.5	0.25	0.85	No	109	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.48	mg/kg	U	N	0.48	0.24	0.85	No	109	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.47	mg/kg	U	N	0.47	0.235	0.85	No	109	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.45	mg/kg	U	N	0.45	0.225	0.85	No	109	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.44	mg/kg	U	N	0.44	0.22	0.85	No	109	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.43	mg/kg	U	N	0.43	0.215	0.85	No	109	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	109	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	109	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.42	mg/kg	U	N	0.42	0.21	0.85	No	109	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	UJ	N	0.4	0.2	0.85	No	109	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	0.4	mg/kg	U	N	0.4	0.2	0.85	No	109	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.39	mg/kg	U	N	0.39	0.195	0.85	No	109	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	U	N	0.38	0.19	0.85	No	109	No
PPMP-75-DEP[illegible]	DEP	KJ0165	12-Mar-99	No	YES	Indeno(1,2,3-cd)pyrene	[illegible]	mg/kg	UJ	N	0.38	0.19	0.85	No	10[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.37	mg/kg	U	N	0.37	0.185	0.85	No	109	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	109	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	109	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	UJ	N	0.36	0.18	0.85	No	109	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Indeno(1,2,3-cd)pyrene	0.36	mg/kg	U	N	0.36	0.18	0.85	No	109	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Indeno(1,2,3-cd)pyrene	0.35	mg/kg	U	N	0.35	0.175	0.85	No	109	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	109	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	109	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Indeno(1,2,3-cd)pyrene	0.34	mg/kg	U	N	0.34	0.17	0.85	No	109	No

Indeno(1,2,3-cd)pyrene Total Number of Results: **107**

No. >MDL:	61	57%	**Range**	6.2	0.038	**Mean**	0.539	Overall	
No. <MDL:	46	43%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.375	Mean:	**0.468**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Naphthalene	0.62	mg/kg		Y	0.35		155.45	No	0.1	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Naphthalene	0.23	mg/kg	J	Y	0.35		155.45	No	0.1	YES
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Naphthalene	0.22	mg/kg	J	Y	0.4		155.45	No	0.1	YES
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Naphthalene	0.13	mg/kg	J	Y	0.36		155.45	No	0.1	YES
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Naphthalene	0.1	mg/kg	J	Y	0.39		155.45	No	0.1	No
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Naphthalene	0.087	mg/kg	J	Y	0.34		155.45	No	0.1	No
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Naphthalene	0.072	mg/kg	J	Y	0.39		155.45	No	0.1	No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Naphthalene	0.0062	mg/kg	B	Y	0.0087		155.45	No	0.1	No
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Naphthalene	0.0059	mg/kg	B	Y	0.01		155.45	No	0.1	No
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Naphthalene	0.005	mg/kg	J	Y	0.0059		155.45	No	0.1	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Naphthalene	0.0036	mg/kg	B	Y	0.0061		155.45	No	0.1	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Naphthalene	0.0035	mg/kg	J	Y	0.0054		155.45	No	0.1	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Naphthalene	0.0031	mg/kg	J	Y	0.0056		155.45	No	0.1	No
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Naphthalene	0.014	mg/kg	UJ	N	0.014	0.007	155.45	No	0.1	No
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Naphthalene	0.0088	mg/kg	UJ	N	0.0088	0.0044	155.45	No	0.1	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Naphthalene	0.0083	mg/kg	UJ	N	0.0083	0.0042	155.45	No	0.1	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Naphthalene	0.0079	mg/kg	UJ	N	0.0079	0.004	155.45	No	0.1	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Naphthalene	0.0078	mg/kg	UJ	N	0.0078	0.0039	155.45	No	0.1	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Naphthalene	0.0076	mg/kg	UJ	N	0.0076	0.0038	155.45	No	0.1	No
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Naphthalene	0.0075	mg/kg	UJ	N	0.0075	0.0038	155.45	No	0.1	No
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Naphthalene	0.0074	mg/kg	UJ	N	0.0074	0.0037	155.45	No	0.1	No
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Naphthalene	0.0073	mg/kg	UJ	N	0.0073	0.0037	155.45	No	0.1	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Naphthalene	0.0073	mg/kg	UJ	N	0.0073	0.0037	155.45	No	0.1	No
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Naphthalene	0.0071	mg/kg	UJ	N	0.0071	0.0036	155.45	No	0.1	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Naphthalene	0.0071	mg/kg	U	N	0.0071	0.0036	155.45	No	0.1	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Naphthalene	0.0069	mg/kg	UJ	N	0.0069	0.0035	155.45	No	0.1	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Naphthalene	0.0069	mg/kg	UJ	N	0.0069	0.0035	155.45	No	0.1	No
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Naphthalene	0.0069	mg/kg	UJ	N	0.0069	0.0035	155.45	No	0.1	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Naphthalene	0.0068	mg/kg	UJ	N	0.0068	0.0034	155.45	No	0.1	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Naphthalene	0.0068	mg/kg	U	N	0.0068	0.0034	155.45	No	0.1	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067	0.0034	155.45	No	0.1	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Naphthalene	0.0067	mg/kg	UJ	N	0.0067	0.0034	155.45	No	0.1	No
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066	0.0033	155.45	No	0.1	No
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Naphthalene	0.0066	mg/kg	UJ	N	0.0066	0.0033	155.45	No	0.1	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Naphthalene	0.0065	mg/kg	UJ	N	0.0065	0.0033	155.45	No	0.1	No
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064	0.0032	155.45	No	0.1	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064	0.0032	155.45	No	0.1	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064	0.0032	155.45	No	0.1	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064	0.0032	155.45	No	0.1	No
PPMP-75-DEP[illegible]	DEP	KJ0160	17-Mar-99	No	YES	Naphthalene	0[illegible]4	mg/kg	U	N	0.0064	0.0032	155.45	No	0[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Naphthalene	0.0064	mg/kg	UJ	N	0.0064	0.0032	155.45	No	0.1	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063	0.0032	155.45	No	0.1	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Naphthalene	0.0063	mg/kg	UJ	N	0.0063	0.0032	155.45	No	0.1	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Naphthalene	0.0061	mg/kg	UJ	N	0.0061	0.0031	155.45	No	0.1	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Naphthalene	0.0061	mg/kg	U	N	0.0061	0.0031	155.45	No	0.1	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006	0.003	155.45	No	0.1	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006	0.003	155.45	No	0.1	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Naphthalene	0.006	mg/kg	UJ	N	0.006	0.003	155.45	No	0.1	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Naphthalene	0.0059	mg/kg	UJ	N	0.0059	0.003	155.45	No	0.1	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Naphthalene	0.0058	mg/kg	U	N	0.0058	0.0029	155.45	No	0.1	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Naphthalene	0.0058	mg/kg	UJ	N	0.0058	0.0029	155.45	No	0.1	No
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Naphthalene	0.0057	mg/kg	U	N	0.0057	0.0029	155.45	No	0.1	No
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Naphthalene	0.0057	mg/kg	UJ	N	0.0057	0.0029	155.45	No	0.1	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Naphthalene	0.0056	mg/kg	UJ	N	0.0056	0.0028	155.45	No	0.1	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Naphthalene	0.0055	mg/kg	UJ	N	0.0055	0.0028	155.45	No	0.1	No
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Naphthalene	0.0054	mg/kg	UJ	N	0.0054	0.0027	155.45	No	0.1	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Naphthalene	0.0053	mg/kg	UJ	N	0.0053	0.0027	155.45	No	0.1	No
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052	0.0026	155.45	No	0.1	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052	0.0026	155.45	No	0.1	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052	0.0026	155.45	No	0.1	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052	0.0026	155.45	No	0.1	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Naphthalene	0.0052	mg/kg	UJ	N	0.0052	0.0026	155.45	No	0.1	No
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Naphthalene	0.0051	mg/kg	UJ	N	0.0051	0.0026	155.45	No	0.1	No

Naphthalene Total Number of Results: **107**

No. >MDL:	13	12%	**Range**	0.62	0.0031	**Mean**	0.114	Overall	
No. <MDL:	94	88%	(1/2 DL):	0.007	0.0026	(1/2 DL):	0.003	Mean:	0.017

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Phenanthrene	11	mg/kg		Y	1.7		2,317.23	No	0.1	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Phenanthrene	6.8	mg/kg		Y	0.71		2,317.23	No	0.1	YES
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Phenanthrene	5.2	mg/kg		Y	2.9		2,317.23	No	0.1	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Phenanthrene	2.6	mg/kg	J	Y	3.4		2,317.23	No	0.1	YES
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Phenanthrene	1.8	mg/kg		Y	0.58		2,317.23	No	0.1	YES
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Phenanthrene	1.8	mg/kg		Y	0.34		2,317.23	No	0.1	YES
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Phenanthrene	0.84	mg/kg		Y	0.36		2,317.23	No	0.1	YES
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Phenanthrene	0.78	mg/kg		Y	0.39		2,317.23	No	0.1	YES
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Phenanthrene	0.76	mg/kg	J	Y	0.39		2,317.23	No	0.1	YES
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Phenanthrene	0.46	mg/kg		Y	0.42		2,317.23	No	0.1	YES
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Phenanthrene	0.43	mg/kg	J	Y	0.35		2,317.23	No	0.1	YES
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Phenanthrene	0.43	mg/kg	J	Y	3.6		2,317.23	No	0.1	YES
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Phenanthrene	0.41	mg/kg	J	Y	0.49		2,317.23	No	0.1	YES
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Phenanthrene	0.39	mg/kg		Y	0.37		2,317.23	No	0.1	YES
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Phenanthrene	0.39	mg/kg		Y	0.34		2,317.23	No	0.1	YES
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Phenanthrene	0.36	mg/kg	J	Y	0.94		2,317.23	No	0.1	YES
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Phenanthrene	0.36	mg/kg		Y	0.36		2,317.23	No	0.1	YES
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Phenanthrene	0.33	mg/kg	J	Y	0.4		2,317.23	No	0.1	YES
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Phenanthrene	0.27	mg/kg	J	Y	0.36		2,317.23	No	0.1	YES
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Phenanthrene	0.25	mg/kg	J	Y	0.5		2,317.23	No	0.1	YES
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Phenanthrene	0.24	mg/kg	J	Y	0.36		2,317.23	No	0.1	YES
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Phenanthrene	0.23	mg/kg	J	Y	0.34		2,317.23	No	0.1	YES
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Phenanthrene	0.22	mg/kg	J	Y	0.38		2,317.23	No	0.1	YES
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Phenanthrene	0.2	mg/kg	J	Y	0.42		2,317.23	No	0.1	YES
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Phenanthrene	0.18	mg/kg	J	Y	4.3		2,317.23	No	0.1	YES
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Phenanthrene	0.18	mg/kg	J	Y	0.43		2,317.23	No	0.1	YES
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Phenanthrene	0.15	mg/kg	J	Y	0.73		2,317.23	No	0.1	YES
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Phenanthrene	0.14	mg/kg	J	Y	0.4		2,317.23	No	0.1	YES
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Phenanthrene	0.12	mg/kg	J	Y	0.34		2,317.23	No	0.1	YES
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Phenanthrene	0.12	mg/kg	J	Y	0.39		2,317.23	No	0.1	YES
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Phenanthrene	0.12	mg/kg	J	Y	0.44		2,317.23	No	0.1	YES
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Phenanthrene	0.11	mg/kg	J	Y	0.37		2,317.23	No	0.1	YES
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Phenanthrene	0.11	mg/kg	J	Y	0.42		2,317.23	No	0.1	YES
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Phenanthrene	0.1	mg/kg	J	Y	0.48		2,317.23	No	0.1	YES
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Phenanthrene	0.1	mg/kg	J	Y	0.37		2,317.23	No	0.1	YES
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Phenanthrene	0.097	mg/kg	J	Y	0.37		2,317.23	No	0.1	No
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Phenanthrene	0.094	mg/kg	J	Y	0.38		2,317.23	No	0.1	No
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Phenanthrene	0.09	mg/kg	J	Y	0.35		2,317.23	No	0.1	No
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Phenanthrene	0.08	mg/kg	J	Y	0.55		2,317.23	No	0.1	No
FTA-147-DEP02	DEP	EG0028	11-Nov-98	No	YES	Phenanthrene	0.076	mg/kg	J	Y	0.37		2,317.23	No	0.1	No
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Phenanthrene	0.071	mg/kg	J	Y	0.42		2,317.23	No	0.1	No
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Phenanthrene	0.068	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Phenanthrene	0.066	mg/kg	J	Y	0.34		2,317.23	No	0.1	No
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Phenanthrene	0.064	mg/kg	J	Y	0.37		2,317.23	No	0.1	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Phenanthrene	0.058	mg/kg	J	Y	0.45		2,317.23	No	0.1	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Phenanthrene	0.058	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Phenanthrene	0.058	mg/kg	J	Y	0.36		2,317.23	No	0.1	No
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Phenanthrene	0.057	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Phenanthrene	0.057	mg/kg	J	Y	0.4		2,317.23	No	0.1	No
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Phenanthrene	0.051	mg/kg	J	Y	0.43		2,317.23	No	0.1	No
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Phenanthrene	0.051	mg/kg	J	Y	0.38		2,317.23	No	0.1	No
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Phenanthrene	0.047	mg/kg	J	Y	0.35		2,317.23	No	0.1	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Phenanthrene	0.044	mg/kg	J	Y	0.43		2,317.23	No	0.1	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Phenanthrene	0.044	mg/kg	J	Y	0.4		2,317.23	No	0.1	No
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Phenanthrene	0.044	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Phenanthrene	0.04	mg/kg	J	Y	0.36		2,317.23	No	0.1	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Phenanthrene	0.039	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Phenanthrene	0.034	mg/kg	J	Y	0.38		2,317.23	No	0.1	No
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Phenanthrene	0.032	mg/kg	J	Y	0.39		2,317.23	No	0.1	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Phenanthrene	4.3	mg/kg	U	N	4.3	2.15	2,317.23	No	0.1	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Phenanthrene	4.2	mg/kg	U	N	4.2	2.1	2,317.23	No	0.1	No
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Phenanthrene	4	mg/kg	U	N	4	2	2,317.23	No	0.1	No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Phenanthrene	3.6	mg/kg	U	N	3.6	1.8	2,317.23	No	0.1	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Phenanthrene	2.3	mg/kg	U	N	2.3	1.15	2,317.23	No	0.1	No
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Phenanthrene	2	mg/kg	U	N	2	1	2,317.23	No	0.1	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Phenanthrene	0.5	mg/kg	UJ	N	0.5	0.25	2,317.23	No	0.1	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Phenanthrene	0.48	mg/kg	U	N	0.48	0.24	2,317.23	No	0.1	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Phenanthrene	0.47	mg/kg	U	N	0.47	0.235	2,317.23	No	0.1	No
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Phenanthrene	0.45	mg/kg	U	N	0.45	0.225	2,317.23	No	0.1	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Phenanthrene	0.45	mg/kg	U	N	0.45	0.225	2,317.23	No	0.1	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Phenanthrene	0.44	mg/kg	U	N	0.44	0.22	2,317.23	No	0.1	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Phenanthrene	0.44	mg/kg	U	N	0.44	0.22	2,317.23	No	0.1	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Phenanthrene	0.42	mg/kg	U	N	0.42	0.21	2,317.23	No	0.1	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Phenanthrene	0.42	mg/kg	U	N	0.42	0.21	2,317.23	No	0.1	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Phenanthrene	0.42	mg/kg	U	N	0.42	0.21	2,317.23	No	0.1	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Phenanthrene	0.4	mg/kg	U	N	0.4	0.2	2,317.23	No	0.1	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Phenanthrene	0.39	mg/kg	U	N	0.39	0.195	2,317.23	No	0.1	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Phenanthrene	0.38	mg/kg	U	N	0.38	0.19	2,317.23	No	0.1	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-93-GP1[illegible]	SS	DA0014	19-Oct-98	No	YES	Phenanthrene	[illegible]7	mg/kg	U	N	0.37	0.185	2,317.23	No	[illegible]	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Phenanthrene	0.37	mg/kg	U	N	0.37	0.185	2,317.23	No	0.1	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Phenanthrene	0.36	mg/kg	UJ	N	0.36	0.18	2,317.23	No	0.1	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Phenanthrene	0.36	mg/kg	U	N	0.36	0.18	2,317.23	No	0.1	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Phenanthrene	0.35	mg/kg	UJ	N	0.35	0.175	2,317.23	No	0.1	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Phenanthrene	0.35	mg/kg	U	N	0.35	0.175	2,317.23	No	0.1	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Phenanthrene	0.34	mg/kg	U	N	0.34	0.17	2,317.23	No	0.1	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Phenanthrene	0.34	mg/kg	U	N	0.34	0.17	2,317.23	No	0.1	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Phenanthrene	0.34	mg/kg	U	N	0.34	0.17	2,317.23	No	0.1	No

Phenanthrene Total Number of Results: **107**

No. >MDL:	59	55%	**Range**	11	0.032	**Mean**	0.668	Overall
No. <MDL:	48	45%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.383	Mean: **0.540**

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
WCS-87-DEP01	DEP	GA0024	10-Nov-98	No	YES	Pyrene	18	mg/kg		Y	2.9		232.81	No	0.1	YES
WCS-87-DEP02	DEP	GA0023	10-Nov-98	No	YES	Pyrene	10	mg/kg		Y	3.4		232.81	No	0.1	YES
FTA-151-GP02	SS	BJ0005	14-Sep-98	No	YES	Pyrene	9.2	mg/kg		Y	1.7		232.81	No	0.1	YES
FTA-94-DEP01	DEP	EM0021	11-Nov-98	No	YES	Pyrene	5.9	mg/kg		Y	0.58		232.81	No	0.1	YES
FTA-151-GP04	SS	BJ0009	14-Sep-98	No	YES	Pyrene	5.6	mg/kg		Y	0.71		232.81	No	0.1	YES
FTA-93-DEP02	DEP	DA0032	13-Nov-98	No	YES	Pyrene	3.1	mg/kg		Y	0.49		232.81	No	0.1	YES
FTA-93-DEP01	DEP	DA0031	11-Nov-98	No	YES	Pyrene	1.8	mg/kg		Y	0.94		232.81	No	0.1	YES
FTA-151-GP06	SS	BJ0013	14-Sep-98	No	YES	Pyrene	1.6	mg/kg		Y	0.34		232.81	No	0.1	YES
FTA-151-GP13	SS	BJ0029	15-Sep-98	No	YES	Pyrene	1.5	mg/kg		Y	0.34		232.81	No	0.1	YES
PPMP-75-GP06	SS	KJ0013	28-Jan-99	No	YES	Pyrene	1.4	mg/kg		Y	0.42		232.81	No	0.1	YES
FTA-148-DEP01	DEP	DB0027	11-Nov-98	No	YES	Pyrene	1.2	mg/kg	J	Y	3.6		232.81	No	0.1	YES
FTA-151-GP18	SS	BJ0041	16-Sep-98	No	YES	Pyrene	1.1	mg/kg		Y	0.36		232.81	No	0.1	YES
PPMP-75-GP29	SS	KJ0057	21-Jan-99	No	YES	Pyrene	0.9	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-29-GP01	SS	AA0001	1-Oct-98	No	YES	Pyrene	0.82	mg/kg		Y	0.39		232.81	No	0.1	YES
FTA-64-DEP02	DEP	EA0028	16-Mar-99	No	YES	Pyrene	0.6	mg/kg	J	Y	0.35		232.81	No	0.1	YES
PPMP-75-DEP03	DEP	KJ0160	17-Mar-99	No	YES	Pyrene	0.57	mg/kg		Y	0.42		232.81	No	0.1	YES
FTA-100-DEP01	DEP	CV0011	10-Nov-98	No	YES	Pyrene	0.56	mg/kg		Y	0.39		232.81	No	0.1	YES
FTA-151-GP09	SS	BJ0019	17-Sep-98	No	YES	Pyrene	0.52	mg/kg		Y	0.36		232.81	No	0.1	YES
FTA-93-GP18	SS	DA0020	16-Oct-98	No	YES	Pyrene	0.51	mg/kg		Y	0.37		232.81	No	0.1	YES
FTA-94-DEP04	DEP	EM0024	11-Nov-98	No	YES	Pyrene	0.49	mg/kg		Y	0.38		232.81	No	0.1	YES
FTA-151-GP05	SS	BJ0011	17-Sep-98	No	YES	Pyrene	0.48	mg/kg		Y	0.34		232.81	No	0.1	YES
FTA-164-GP01	SS	DL0001	26-Oct-98	No	YES	Pyrene	0.48	mg/kg	J	Y	0.73		232.81	No	0.1	YES
FTA-151-GP15	SS	BJ0033	15-Sep-98	No	YES	Pyrene	0.47	mg/kg		Y	0.34		232.81	No	0.1	YES
FTA-151-GP25	SS	BJ0057	18-Sep-98	No	YES	Pyrene	0.46	mg/kg		Y	0.34		232.81	No	0.1	YES
PPMP-75-GP48	SS	KJ0101	28-Jan-99	No	YES	Pyrene	0.46	mg/kg		Y	0.44		232.81	No	0.1	YES
FTA-151-GP29	SS	BJ0067	21-Sep-98	No	YES	Pyrene	0.43	mg/kg	J	Y	0.5		232.81	No	0.1	YES
FTA-145-GP10	SS	CY0020	1-Oct-98	No	YES	Pyrene	0.42	mg/kg	J	Y	4		232.81	No	0.1	YES
FTA-151-GP45	SS	BJ0107	21-Sep-98	No	YES	Pyrene	0.4	mg/kg		Y	0.36		232.81	No	0.1	YES
PPMP-75-GP30	SS	KJ0059	21-Jan-99	No	YES	Pyrene	0.4	mg/kg	J	Y	0.4		232.81	No	0.1	YES
PPMP-75-GP71	SS	KJ0148	21-Jan-99	No	YES	Pyrene	0.39	mg/kg	J	Y	0.43		232.81	No	0.1	YES
WCS-87-GP02	SS	GA0003	15-Oct-98	No	YES	Pyrene	0.34	mg/kg	J	Y	0.36		232.81	No	0.1	YES
FTA-94-DEP02	DEP	EM0022	11-Nov-98	No	YES	Pyrene	0.31	mg/kg	J	Y	0.42		232.81	No	0.1	YES
FTA-100-DEP02	DEP	CV0012	10-Nov-98	No	YES	Pyrene	0.31	mg/kg	J	Y	0.48		232.81	No	0.1	YES
FTA-151-GP03	SS	BJ0007	17-Sep-98	No	YES	Pyrene	0.31	mg/kg	J	Y	0.36		232.81	No	0.1	YES
PPMP-75-DEP02	DEP	KJ0159	12-Mar-99	No	YES	Pyrene	0.31	mg/kg	J	Y	4.3		232.81	No	0.1	YES
PPMP-75-GP52	SS	KJ0108	22-Jan-99	No	YES	Pyrene	0.31	mg/kg	J	Y	0.38		232.81	No	0.1	YES
FTA-144-DEP02	DEP	AE1004	10-Nov-98	No	YES	Pyrene	0.25	mg/kg	J	Y	0.42		232.81	No	0.1	YES
PPMP-75-GP11	SS	KJ0025	21-Jan-99	No	YES	Pyrene	0.25	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-145-GP06	SS	CY0010	1-Oct-98	No	YES	Pyrene	0.21	mg/kg	J	Y	2		232.81	No	0.1	YES
WCS-87-GP01	SS	GA0001	15-Oct-98	No	YES	Pyrene	0.21	mg/kg	J	Y	0.35		232.81	No	0.1	YES
FTA-151-GP19	SS	BJ0043	18-Sep-98	No	YES	Pyrene	0.18	mg/kg	J	Y	0.4		232.81	No	0.1	YES
PPMP-75-GP51	SS	KJ0106	22-Jan-99	No	YES	Pyrene	0.18	mg/kg	J	Y	0.37		232.81	No	0.1	YES
FTA-64-GP08	SS	EA0016	12-Oct-98	No	YES	Pyrene	0.17	mg/kg	J	Y	0.37		232.81	No	0.1	YES
FTA-147-DE[illegible]	DEP	EG0028	11-Nov-98	No	YES	Pyrene	[illegible]5	mg/kg	J	Y	0.37		232.81	No	0[illegible]	YES

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-151-GP10	SS	BJ0021	15-Sep-98	No	YES	Pyrene	0.15	mg/kg	J	Y	0.37		232.81	No	0.1	YES
FTA-151-GP24	SS	BJ0055	18-Sep-98	No	YES	Pyrene	0.15	mg/kg	J	Y	0.37		232.81	No	0.1	YES
PPMP-75-DEP05	DEP	KJ0164	12-Mar-99	No	YES	Pyrene	0.14	mg/kg	J	Y	0.55		232.81	No	0.1	YES
FTA-151-GP30	SS	BJ0069	21-Sep-98	No	YES	Pyrene	0.13	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-100-DEP03	DEP	CV0013	10-Nov-98	No	YES	Pyrene	0.12	mg/kg	J	Y	0.43		232.81	No	0.1	YES
FTA-151-GP27	SS	BJ0063	21-Sep-98	No	YES	Pyrene	0.12	mg/kg	J	Y	0.38		232.81	No	0.1	YES
PPMP-75-GP49	SS	KJ0103	28-Jan-99	No	YES	Pyrene	0.12	mg/kg	J	Y	0.4		232.81	No	0.1	YES
FTA-145-DEP02	DEP	CY0028	9-Nov-98	No	YES	Pyrene	0.11	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-151-GP12	SS	BJ0027	17-Sep-98	No	YES	Pyrene	0.11	mg/kg	J	Y	0.35		232.81	No	0.1	YES
FTA-151-GP23	SS	BJ0053	16-Sep-98	No	YES	Pyrene	0.11	mg/kg	J	Y	0.39		232.81	No	0.1	YES
FTA-93-DEP03	DEP	DA0033	12-Nov-98	No	YES	Pyrene	0.1	mg/kg	J	Y	0.45		232.81	No	0.1	YES
FTA-151-GP28	SS	BJ0065	21-Sep-98	No	YES	Pyrene	0.097	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-151-DEP01	DEP	BJ1010	9-Nov-98	No	YES	Pyrene	0.091	mg/kg	J	Y	0.45		232.81	No	0.1	No
FTA-151-DEP05	DEP	BJ1016	9-Nov-98	No	YES	Pyrene	0.091	mg/kg	J	Y	0.48		232.81	No	0.1	No
FTA-147-DEP01	DEP	EG0027	11-Nov-98	No	YES	Pyrene	0.09	mg/kg	J	Y	0.44		232.81	No	0.1	No
FTA-145-GP14	SS	CY0032	10-Dec-99	No	YES	Pyrene	0.086	mg/kg	J	Y	0.38		232.81	No	0.1	No
FTA-151-DEP03	DEP	BJ1012	10-Nov-98	No	YES	Pyrene	0.083	mg/kg	J	Y	0.4		232.81	No	0.1	No
FTA-151-DEP02	DEP	BJ1011	9-Nov-98	No	YES	Pyrene	0.082	mg/kg	J	Y	0.43		232.81	No	0.1	No
FTA-151-GP17	SS	BJ0039	17-Sep-98	No	YES	Pyrene	0.081	mg/kg	J	Y	0.42		232.81	No	0.1	No
FTA-151-GP21	SS	BJ0049	16-Sep-98	No	YES	Pyrene	0.067	mg/kg	J	Y	0.36		232.81	No	0.1	No
FTA-151-GP33	SS	BJ0077	6-Oct-98	No	YES	Pyrene	0.066	mg/kg	J	Y	0.39		232.81	No	0.1	No
PPMP-75-GP73	SS	KJ0152	22-Jan-99	No	YES	Pyrene	0.063	mg/kg	J	Y	0.39		232.81	No	0.1	No
FTA-148-GP14	SS	DB0025	22-Oct-98	No	YES	Pyrene	0.062	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-164-GP02	SS	DL0005	26-Oct-98	No	YES	Pyrene	0.062	mg/kg	J	Y	0.35		232.81	No	0.1	No
FTA-145-DEP01	DEP	CY0027	9-Nov-98	No	YES	Pyrene	0.061	mg/kg	J	Y	0.45		232.81	No	0.1	No
FTA-29-DEP01	DEP	AA1004	6-Nov-98	No	YES	Pyrene	0.058	mg/kg	J	Y	0.39		232.81	No	0.1	No
FTA-146-DEP01	DEP	CP0024	9-Nov-98	No	YES	Pyrene	0.058	mg/kg	J	Y	0.47		232.81	No	0.1	No
FTA-145-GP13	SS	CY0030	10-Dec-99	No	YES	Pyrene	0.057	mg/kg	J	Y	0.38		232.81	No	0.1	No
PPMP-75-GP67	SS	KJ0140	27-Jan-99	No	YES	Pyrene	0.056	mg/kg	J	Y	0.39		232.81	No	0.1	No
FTA-151-GP16	SS	BJ0037	15-Sep-98	No	YES	Pyrene	0.054	mg/kg	J	Y	0.4		232.81	No	0.1	No
FTA-94-DEP03	DEP	EM0023	11-Nov-98	No	YES	Pyrene	0.053	mg/kg	J	Y	0.44		232.81	No	0.1	No
PPMP-143-GP01	SS	KP0001	12-Jan-99	No	YES	Pyrene	0.053	mg/kg	J	Y	0.39		232.81	No	0.1	No
FTA-151-GP53	SS	BJ0125	22-Sep-98	No	YES	Pyrene	0.051	mg/kg	J	Y	0.35		232.81	No	0.1	No
FTA-164-DEP01	DEP	DL0034	11-Nov-98	No	YES	Pyrene	0.051	mg/kg	J	Y	0.5		232.81	No	0.1	No
FTA-151-GP14	SS	BJ0031	17-Sep-98	No	YES	Pyrene	0.046	mg/kg	J	Y	0.34		232.81	No	0.1	No
FTA-147-GP04	SS	EG0006	29-Oct-98	No	YES	Pyrene	0.044	mg/kg	J	Y	0.36		232.81	No	0.1	No
FTA-29-DEP02	DEP	AA1005	6-Nov-98	No	YES	Pyrene	0.043	mg/kg	J	Y	0.37		232.81	No	0.1	No
PPMP-75-GP72	SS	KJ0150	28-Jan-99	No	YES	Pyrene	0.042	mg/kg	J	Y	0.42		232.81	No	0.1	No
PPMP-143-GP07	SS	KP0015	12-Jan-99	No	YES	Pyrene	0.037	mg/kg	J	Y	0.35		232.81	No	0.1	No
FTA-93-GP23	SS	DA0027	20-Oct-98	No	YES	Pyrene	0.03	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-148-GP12	SS	DB0021	22-Oct-98	No	YES	Pyrene	0.029	mg/kg	J	Y	0.37		232.81	No	0.1	No
FTA-149-DEP01	DEP	DG0031	11-Nov-98	No	YES	Pyrene	4.3	mg/kg	U	N	4.3	2.15	232.81	No	0.1	No
FTA-144-DEP01	DEP	AE1003	6-Nov-98	No	YES	Pyrene	4.2	mg/kg	U	N	4.2	2.1	232.81	No	0.1	No

Table 4-7

PAH Background Data Set: Samples Taken Adjacent to Asphalt
Fort McClellan, Calhoun County, Alabama

Sample				Asphalt	Use/	Analytical			Valid	Detect?	Lab	1/2 Lab	Human Health	Exceeds?	Eco Risk	Exceeds?
Location	Type	Number	Date	Location	No Use	Parameter	Result	units	Qual	Yes/No	RL	RL	SSSL	Yes/No	Level	Yes/No
FTA-145-GP02	SS	CY0002	1-Oct-98	No	YES	Pyrene	3.6	mg/kg	U	N	3.6	1.8	232.81	No	0.1	No
FTA-93-DEP04	DEP	DA0034	11-Nov-98	No	YES	Pyrene	2.3	mg/kg	U	N	2.3	1.15	232.81	No	0.1	No
FTA-151-DEP04	DEP	BJ1015	9-Nov-98	No	YES	Pyrene	0.42	mg/kg	U	N	0.42	0.21	232.81	No	0.1	No
FTA-64-GP07	SS	EA0014	12-Oct-98	No	YES	Pyrene	0.4	mg/kg	U	N	0.4	0.2	232.81	No	0.1	No
FTA-163-MW06	SS	CD0057	18-Nov-99	No	YES	Pyrene	0.4	mg/kg	U	N	0.4	0.2	232.81	No	0.1	No
PPMP-75-DEP04	DEP	KJ0163	12-Mar-99	No	YES	Pyrene	0.4	mg/kg	U	N	0.4	0.2	232.81	No	0.1	No
PPMP-143-DEP01	DEP	KP0018	17-Mar-99	No	YES	Pyrene	0.4	mg/kg	UJ	N	0.4	0.2	232.81	No	0.1	No
PPMP-75-DEP01	DEP	KJ0165	12-Mar-99	No	YES	Pyrene	0.38	mg/kg	U	N	0.38	0.19	232.81	No	0.1	No
FTA-93-GP12	SS	DA0014	19-Oct-98	No	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	No
FTA-151-GP22	SS	BJ0051	18-Sep-98	No	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	No
FTA-151-GP44	SS	BJ0103	21-Sep-98	No	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	No
PPMP-143-GP05	SS	KP0011	12-Jan-99	No	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	No
PPMP-143-GP06	SS	KP0013	12-Jan-99	No	YES	Pyrene	0.37	mg/kg	U	N	0.37	0.185	232.81	No	0.1	No
FTA-151-GP52	SS	BJ0121	22-Sep-98	No	YES	Pyrene	0.36	mg/kg	UJ	N	0.36	0.18	232.81	No	0.1	No
PPMP-143-GP03	SS	KP0005	12-Jan-99	No	YES	Pyrene	0.36	mg/kg	U	N	0.36	0.18	232.81	No	0.1	No
FTA-93-GP13	SS	DA0015	16-Oct-98	No	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	No
FTA-93-GP24	SS	DA0028	20-Oct-98	No	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	No
FTA-164-GP03	SS	DL0008	27-Oct-98	No	YES	Pyrene	0.35	mg/kg	U	N	0.35	0.175	232.81	No	0.1	No
FTA-151-GP08	SS	BJ0017	15-Sep-98	No	YES	Pyrene	0.34	mg/kg	U	N	0.34	0.17	232.81	No	0.1	No
FTA-151-GP20	SS	BJ0045	18-Sep-98	No	YES	Pyrene	0.34	mg/kg	U	N	0.34	0.17	232.81	No	0.1	No

Pyrene Total Number of Results: **107**

No. >MDL:	85	79%	**Range**	18	0.029	**Mean**	0.899	Overall
No. <MDL:	22	21%	(1/2 DL):	2.15	0.17	(1/2 DL):	0.480	Mean: **0.813**

5.0 Background Metals Survey

5.1 Objectives

In July 1998, Science Applications International Corporation (SAIC) produced their final *Background Metals Survey Report* (SAIC, 1998), which summarizes the results of background metals sampling conducted at FTMC. This background survey was to provide a basis for planned environmental assessments. The background metals survey was scoped to address both FTMC Main Post and Pelham Range conditions. The overall objective of the background study was to establish statistically robust background concentrations for target analyte list metals in environmental media (surface water, sediment, surface soil, subsurface soil, groundwater) to be used during the BRAC environmental process. Field sampling was conducted at designated locations representative of site background conditions using standard methods as described in the approved work plan. Collected samples were analyzed by standard EPA analytical methods at an approved laboratory. Detailed information regarding the objectives, characteristics of the study area, and sampling and analysis methods of the survey is presented in Sections 1, 2, and 3, respectively, of the SAIC report.

5.2 Survey Results

In addition to the supplemental background samples collected during the background metals survey, other historical data were also included as discussed in Section 4 of the SAIC (1998) report. Data from the SAIC background survey and historical background samples were combined into the tables provided in Section 4 of the SAIC (1998) report. The tables present summary statistics for all background data used in the survey report including: the total number of samples, the frequency of detection; the range of the detected and non-detected concentrations; the arithmetic mean; the standard deviation; characterization of the data distribution; the 95 percent upper confidence limit (UCL) of the arithmetic mean; the exposure point concentration (EPC) of the 95 percent UCL; and the two times (2x) arithmetic mean background value. The 2x arithmetic mean background values are summarized by medium in Table 5-1 of this document.

Table 5-1

Media-Specific Background Metals Values
Fort McClellan, Calhoun County, Alabama

Metal	Surface Soil Background[a] (mg/kg)	Subsurface Soil Background[a] (mg/kg)	Groundwater Background[a] (mg/L)	Surface Water Background[a] (mg/L)	Sediment Background[a] (mg/kg)
Aluminum	1.63E+04	1.36E+04	2.34E+00	5.26E+00	8.59E+03
Antimony	1.99E+00	1.31E+00	3.19E-03	NA	7.30E-01
Arsenic	1.37E+01	1.83E+01	1.78E-02	2.17E-03	1.13E+01
Barium	1.24E+02	2.34E+02	1.27E-01	7.54E-02	9.89E+01
Beryllium	8.00E-01	8.60E-01	1.25E-03	3.90E-04	9.70E-01
Cadmium	2.90E-01	2.20E-01	2.51E-03	1.13E-03	4.30E-01
Calcium	1.72E+03	6.37E+02	5.65E+01	2.52E+01	1.11E+03
Chromium	3.70E+01	3.83E+01	NA	1.11E-02	3.12E+01
Cobalt	1.52E+01	1.75E+01	2.34E-02	NA	1.10E+01
Copper	1.27E+01	1.94E+01	2.55E-02	1.27E-02	1.71E+01
Iron	3.42E+04	4.48E+04	7.04E+00	1.96E+01	3.53E+04
Lead	4.01E+01	3.85E+01	8.00E-03	8.67E-03	3.78E+01
Magnesium	1.03E+03	7.66E+02	2.13E+01	1.10E+01	9.06E+02
Manganese	1.58E+03	1.36E+03	5.81E-01	5.65E-01	7.12E+02
Mercury	8.00E-02	7.00E-02	NA	NA	1.10E-01
Nickel	1.03E+01	1.29E+01	NA	2.25E-02	1.30E+01
Potassium	8.00E+02	7.11E+02	7.20E+00	2.56E+00	1.01E+03
Selenium	4.80E-01	4.70E-01	NA	NA	7.20E-01
Silver	3.60E-01	2.40E-01	4.00E-03	NA	3.20E-01
Sodium	6.34E+02	7.02E+02	1.48E+01	3.44E+00	6.92E+02
Thallium	3.43E+00	1.40E+00	1.46E-03	2.49E-03	1.30E-01
Vanadium	5.88E+01	6.49E+01	1.70E-02	1.52E-02	4.09E+01
Zinc	4.06E+01	3.49E+01	2.20E-01	4.04E-02	5.27E+01

[a] Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama*, July.

mg/kg - Milligrams per kilogram
mg/L - Milligrams per liter
NA - Not available

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