Final

Site Investigation Report
Former Smoke Area S, Parcel 106(6)

Fort McClellan
Calhoun County, Alabama

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Executive Summary

In accordance with Contract Number DACA21-96-D-0018, Task Order CK05, IT Corporation completed a site investigation (SI) at Former Smoke Area S, Parcel 106(6), at Fort McClellan in Calhoun County, Alabama. The SI was conducted to determine whether chemical constituents are present at the site and, if present, whether the concentrations present an unacceptable risk to human health or the environment. The SI at Former Smoke Area S, Parcel 106(6), consisted of the sampling and analysis of two surface soil samples, four depositional soil samples, two subsurface soil samples, and four surface water and sediment samples.

Chemical analysis of samples collected at Former Smoke Area S, Parcel 106(6), indicates that metals, volatile organic compounds (VOC), and semivolatile organic compounds (SVOC) were detected in the environmental media sampled. To evaluate whether the detected constituents present an unacceptable risk to human health or the environment, the analytical results were compared to human health site-specific screening levels (SSSL), ecological screening values (ESV), and background screening values for Fort McClellan.

The potential threat to human receptors is expected to be low. Although the site is located within an undeveloped area of the Main Post and is projected for passive recreational use, the soils data were screened against residential human health SSSLs to evaluate the site for possible unrestricted future land use. With the exception of thallium in one surface water sample, the metals results that exceeded SSSLs were below their respective background concentration or within the range of background values determined by Science Applications International Corporation in the 1998 *Final Background Metals Survey Report*. Thallium was not detected in any of the other samples collected at the site and is not known to have been used in operations conducted at the site. Consequently, thallium is probably not a site-related contaminant. VOC and SVOC concentrations in site media were below SSSLs.

The potential impact to ecological receptors is also expected to be minimal. The concentrations of six metals (beryllium, lead, manganese, mercury, selenium, and zinc) exceeded ESVs and their respective background concentrations in surface and depositional soil samples at Parcel 106(6). With the exception of beryllium (at two locations) and zinc (at one location), these metals concentrations were within the range of background values determined by Science Applications International Corporation.

The VOCs trichlorofluoromethane (in two sediment samples) and acetone (in one sediment sample) were detected at concentrations exceeding ESVs. The SVOCs fluoranthene and pentachlorophenol were detected in one surface soil sample at concentrations exceeding the ESVs. However, the low levels and limited distribution of the VOCs and SVOCs detected are not expected to pose a substantial threat to ecological receptors.

Groundwater was not investigated at Former Smoke Area S, Parcel 106(6); impacts to groundwater are not anticipated from site-related smoke training activities. However, a groundwater contamination has been detected at Training Area T-38, Former Technical Escort Reaction Area, Parcel 186(6), located approximately 1,600 feet northwest of Former Smoke Area S. This contamination is being addressed as part of a remedial investigation currently being conducted at that site.

Although site-related impacts to groundwater are not anticipated at Former Smoke Area S, Parcel 106(6), off-site contamination from Training Area T-38 could impact groundwater at the site. Therefore, potential impacts to Former Smoke Area S, Parcel 106(6), cannot be positively identified until the completion of the remedial investigation at Parcel 186(6).

Based on the results of the SI, past operations at Former Smoke Area S, Parcel 106(6), do not appear to have adversely impacted the environment. The metals and chemical constituents detected in site media do not pose an unacceptable risk to human health and the environment. Therefore, IT Corporation recommends “No Further Action” and unrestricted reuse with regard to hazardous, toxic, and radioactive waste at Former Smoke Area S, Parcel 106(6).

1.0 Introduction

The U.S. Army has selected Fort McClellan (FTMC) located in Calhoun County, Alabama, for closure by the Base Realignment and Closure (BRAC) Commission under Public Laws 100-526 and 101-510. The 1990 Base Closure Act, Public Law 101-510, established the process by which U.S. Department of Defense (DOD) installations would be closed or realigned. The BRAC Environmental Restoration Program requires investigation and cleanup of federal properties prior to transfer to the public domain. The U.S. Army is conducting environmental studies of the impact of suspected contaminants at parcels at FTMC under the management of the U.S. Army Corps of Engineers (USACE), Mobile District. The USACE contracted with IT Corporation (IT) to perform the site investigation (SI) at Former Smoke Area S, Parcel 106(6), under Contract Number DACA21-96-D-0018, Task Order CK05.

This SI report presents specific information and results compiled from the SI, including field sampling and analysis, conducted at Former Smoke Area S, Parcel 106(6).

1.1 Project Description

Former Smoke Area S was identified as an area to be investigated prior to property transfer. The site was classified as a Category 6 site in the environmental baseline survey (EBS) (Environmental Science and Engineering, Inc. [ESE], 1998). Category 6 sites are areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.

A site-specific field sampling plan (SFSP) attachment (IT, 1998a) and a site-specific safety and health plan (SSHP) attachment were finalized in October 1998. The SFSP and SSHP were prepared to provide technical guidance for sample collection and analysis at Former Smoke Area S, Parcel 106(6). The SFSP was used in conjunction with the SSHP as an attachment to the installation-wide work plan (IT, 1998b) and the installation-wide sampling and analysis plan (SAP) (IT, 2000a). The SAP includes the installation-wide safety and health plan and quality assurance plan.

The SI included fieldwork to collect two surface soil samples, four depositional soil samples, two subsurface soil samples, and four surface water and sediment samples to determine whether potential site-specific chemicals are present at the site and to provide data useful for supporting any future corrective measures and closure activities.

1.2 Purpose and Objectives

The SI program was designed to collect data from site media and provide a level of defensible data and information in sufficient detail to determine whether chemical constituents are present at Former Smoke Area S, Parcel 106(6), at concentrations that present an unacceptable risk to human health or the environment. The conclusions in Chapter 6.0 of this report are based on comparison of the analytical results to human health site-specific screening levels (SSSL), ecological screening values (ESV), and background screening values for FTMC. The SSSLs and ESVs were developed by IT as part of the human health and ecological risk evaluations associated with SIs being performed under the BRAC Environmental Restoration Program at FTMC. The SSSLs and ESVs are presented in the *Final Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000b). Background metals screening values are presented in the *Final Background Metals Survey Report, Fort McClellan, Alabama* (Science Applications International Corporation [SAIC], 1998).

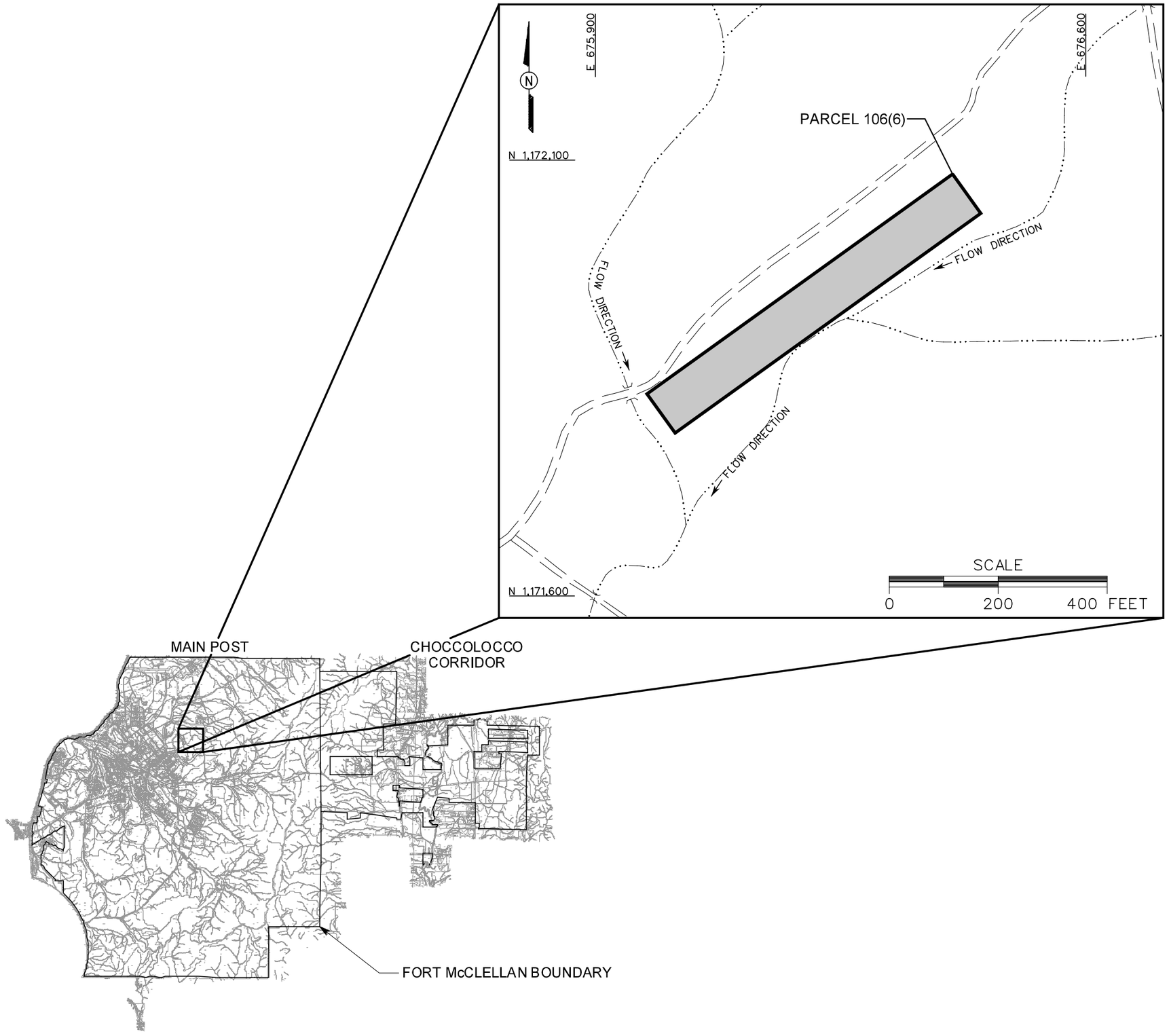
Based on the conclusions presented in this SI report, the BRAC Cleanup Team will decide either to propose "No Further Action" at the site or to conduct additional work at the site.

1.3 Site Description and History

Former Smoke Area S is located in the north-central part of the Main Post of FTMC (Figure 1-1). The parcel, which covers slightly more than 1 acre, is approximately 80 feet wide (southeast to northwest) and 700 feet long (northeast to southwest). The site and surrounding area are mostly undeveloped or wooded.

Former Smoke Area S was used from 1952 to 1970. Training activities conducted at the site involved the use of smoke-generating equipment and fog oil. Smoke Areas R and S are evident on historical aerial photographs from September 1964. Smoke Area S was the primary training ground; nearby Smoke Area R was only used when Smoke Area S was occupied. Several old and new oil filters (for vehicles) were observed on the ground during the EBS site visit. Several smoke canisters were observed on the ground by IT during a site visit in April 1998. There are no buildings or structures at the site; however, pieces of cinder block and metal were visible around the site and may have been previously used as fog oil drum racks.

An unnamed intermittent stream flows from northeast to southwest along the southeast border of the site. Another unnamed intermittent stream flows from north to south near the northwestern border of the site. Shallow groundwater at the site is probably controlled by surface drainage



LEGEND

- UNIMPROVED ROADS AND PARKING
- PARCEL BOUNDARY
- SURFACE DRAINAGE / CREEK

FIGURE 1-1
SITE LOCATION MAP
FORMER SMOKE AREA S
PARCEL 106(6)

U. S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
FORT McCLELLAN
CALHOUN COUNTY, ALABAMA
Contract No. DACA21-96-D-0018

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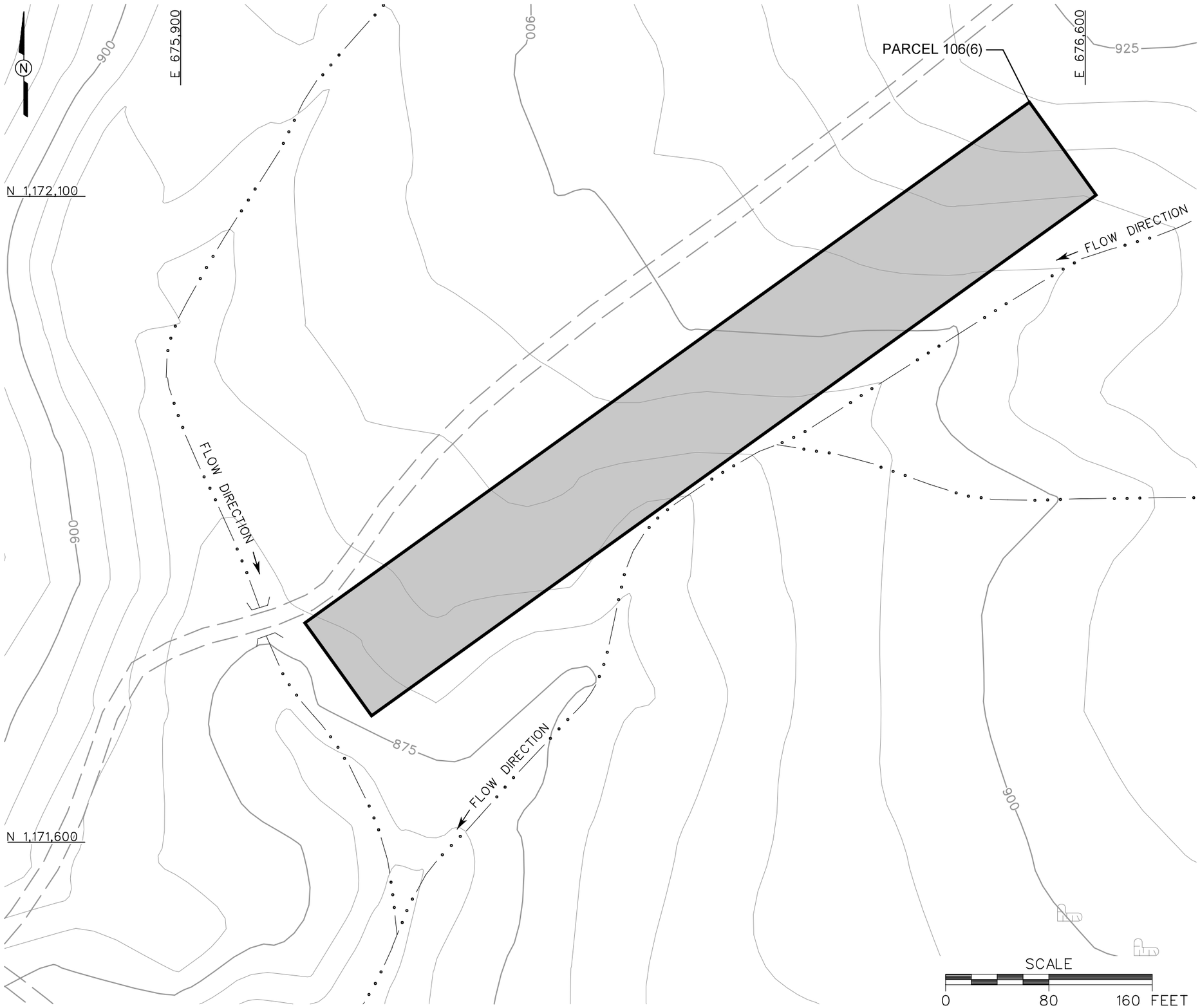
and/or topography. Site elevation is approximately 880 to 915 feet above mean sea level. Figure 1-2 is a site map showing topographic features and site boundaries.



LEGEND

- UNIMPROVED ROADS AND PARKING
- TOPOGRAPHIC CONTOURS (CONTOUR INTERVAL - 5 FOOT)
- PARCEL BOUNDARY
- SURFACE DRAINAGE / CREEK

FIGURE 1-2
SITE MAP
FORMER SMOKE AREA S
PARCEL 106(6)

U. S. ARMY CORPS OF ENGINEERS
MOBILE DISTRICT
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CALHOUN COUNTY, ALABAMA
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2.0 Previous Investigations

An EBS was conducted by ESE to document current environmental conditions of all FTMC property (ESE, 1998). The study was to identify sites that, based on available information, have no history of contamination and comply with DOD guidance for fast-track cleanup at closing installations. The EBS also provides a baseline picture of FTMC properties by identifying and categorizing the properties by seven criteria:

1. Areas where no storage, release, or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent areas)

2. Areas where only release or disposal of petroleum products has occurred

3. Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response

4. Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken

5. Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required remedial actions have not yet been taken

6. Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented

7. Areas that are not evaluated or require additional evaluation.

The EBS was conducted in accordance with the Community Environmental Response Facilitation Act (CERFA) (CERFA-Public Law 102-426) protocols and DOD policy regarding contamination assessment. Record searches and reviews were performed on all reasonably available documents from FTMC, the Alabama Department of Environmental Management, the U.S. Environmental Protection Agency (EPA) Region IV, and Calhoun County, as well as a database search of Comprehensive Environmental Response, Compensation, and Liability Act-regulated substances, petroleum products, and Resource Conservation and Recovery Act-regulated facilities. Available historical maps and aerial photographs were reviewed to document historical land uses. Personal and telephone interviews of past and present FTMC

employees and military personnel were conducted. In addition, visual site inspections were conducted to verify conditions of specific property parcels.

Former Smoke Area S was identified as a CERFA Category 6 site: areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented. There have not been any other investigations identified for Former Smoke Area S.

3.0 Current Site Investigation Activities

This chapter summarizes SI activities conducted by IT at Former Smoke Area S, Parcel 106(6), including unexploded ordnance (UXO) avoidance and environmental sampling and analysis activities.

3.1 UXO Avoidance

Because Former Smoke Area S falls within the "Possible Explosive Ordnance Impact Area" (USACE, 1998), IT performed UXO avoidance at the site following methodology outlined in Section 4.1.7 of the SAP (IT, 2000a). IT UXO personnel used a Schonstedt Heliflux Magnetic Locator to perform a surface sweep of the parcel prior to site access. After the parcel was cleared for access, sample locations were cleared using a Foerster Ferex Electromagnetic Detector following procedures outlined in Section 4.1.7.3 of the SAP (IT, 2000a).

3.2 Environmental Sampling

The environmental sampling performed during the SI at Former Smoke Area S, Parcel 106(6), included the collection of surface and depositional soil samples, subsurface soil samples, and surface water and sediment samples for chemical analysis. The sample locations were determined by observing site physical characteristics during a site walkover, by reviewing historical documents pertaining to activities conducted at the site, and based on UXO avoidance activities. The sample locations, media, and rationale are summarized in Table 3-1. Sampling locations are shown on Figure 3-1. Samples were submitted for laboratory analyses of site-related parameters listed in Section 3.4.

3.2.1 Surface and Depositional Soil Sampling

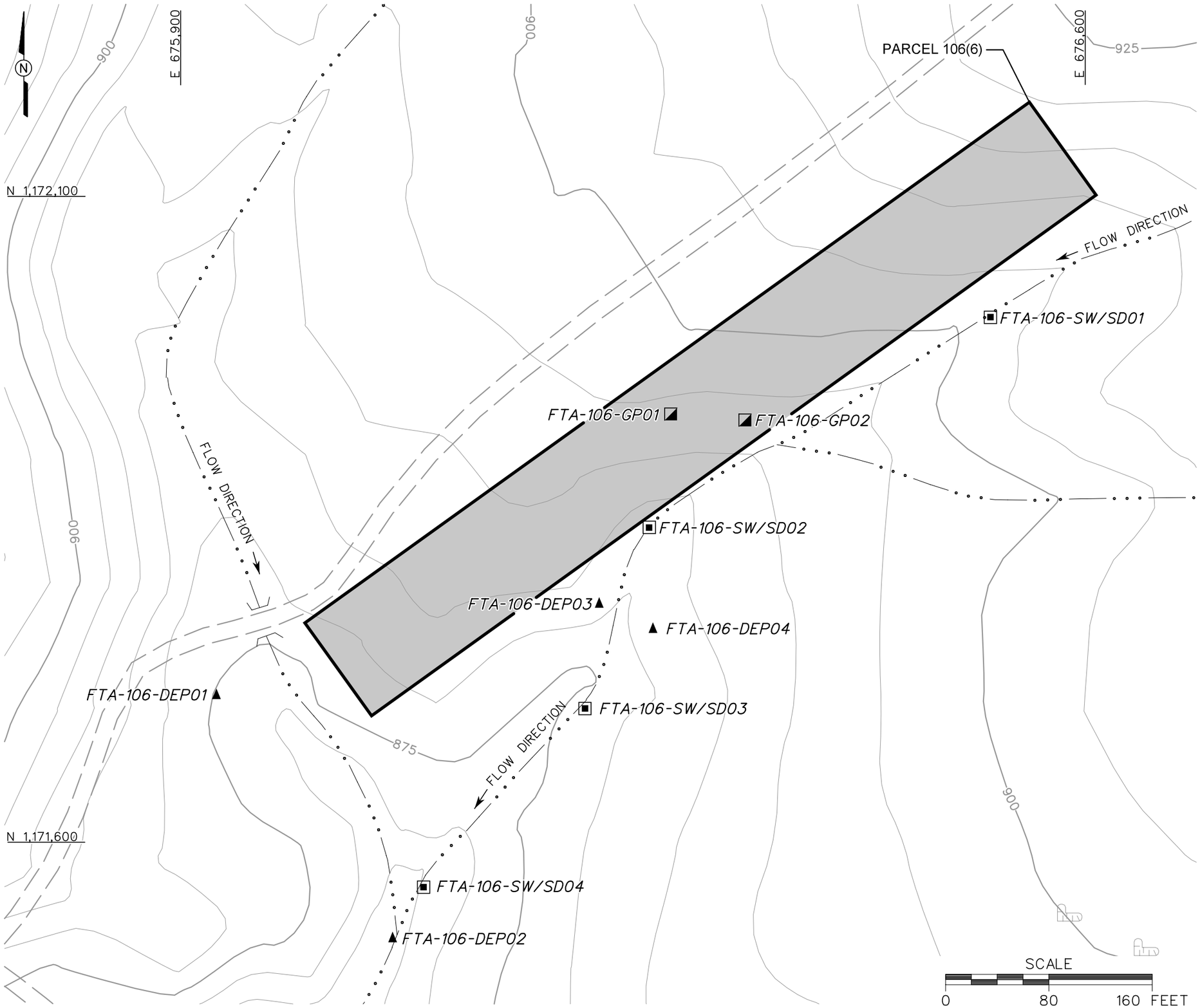
Surface soil samples were collected from two locations, and depositional soil samples were collected from four locations at Former Smoke Area S, Parcel 106(6), as shown on Figure 3-1. Soil sampling locations and rationale are presented in Table 3-1. Sample designations and quality assurance/quality control (QA/QC) samples are listed in Table 3-2. Soil sampling locations were determined in the field by the on-site geologist based on UXO avoidance activities, sampling rationale, presence of surface structures, site topography, and buried utilities.

Sample Collection. Surface and depositional soil samples were collected from the upper 1 foot of soil with a 3-inch diameter stainless-steel hand auger using the methodology specified in Section 4.9.1.1 of the SAP (IT, 2000a). Surface and depositional soil samples were collected by first removing surface debris, such as rocks or vegetation, from the immediate sample area. The

Table 3-1

Sampling Locations and Rationale
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Sample Designation	Media Sampled	Sample Location Rationale
FTA-106-GP01	Surface Soil Subsurface Soil	Surface and subsurface soil samples were collected at the middle of the parcel along the foot trail and near the stream, and near probable former smoke generator or fog oil storage points. Smoke canisters observed at this location.
FTA-106-GP02	Surface Soil Subsurface Soil	Surface and subsurface soil samples were collected along the southeast boundary of the study parcel, near probable former smoke generator or fog oil storage points. Smoke canisters observed at this location.
FTA-106-SW/SD01	Surface Water Sediment	Surface water and sediment samples were collected from the intermittent stream along the southeast parcel boundary, hydrologically upgradient of the site.
FTA-106-SW/SD02	Surface Water Sediment	Surface water and sediment samples were collected from the intermittent stream along the southeast parcel boundary.
FTA-106-SW/SD03	Surface Water Sediment	Surface water and sediment samples were collected from the intermittent stream along the southeast parcel boundary, hydrologically downgradient of the parcel.
FTA-106-SW/SD04	Surface Water Sediment	Surface water and sediment samples were collected from the intermittent stream along the southeast parcel boundary near the intermittent streams confluence, downgradient of the parcel.
FTA-106-DEP01	Depositional Soil	A depositional soil sample was collected downslope of the entrance point of the access road to the parcel. Sampling location represents the most likely location for deposition of material eroded from the access road or road embankment.
FTA-106-DEP02	Depositional Soil	A depositional soil sample was collected downslope of the site, near the confluence of two intermittent streams.
FTA-106-DEP03	Depositional Soil	A depositional soil sample was collected downslope of the parcel near the intermittent stream along the southeast parcel boundary.
FTA-106-DEP04	Depositional Soil	A depositional soil sample was collected just to the east of the intermittent stream outside the parcel boundary.



LEGEND

- UNIMPROVED ROADS AND PARKING
- TOPOGRAPHIC CONTOURS (CONTOUR INTERVAL - 5 FOOT)
- PARCEL BOUNDARY
- SURFACE DRAINAGE / CREEK
- SURFACE WATER/SEDIMENT SAMPLE LOCATION
- SURFACE AND SUBSURFACE SOIL SAMPLE LOCATION
- DEPOSITIONAL SOIL SAMPLE LOCATION

FIGURE 3-1
SAMPLE LOCATION MAP
FORMER SMOKE AREA S
PARCEL 106(6)

U. S. ARMY CORPS OF ENGINEERS
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Table 3-2

Surface, Subsurface, and Depositional Soil Sample Designations and QA/QC Samples
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Designation	Sample Depth (ft. bgs)	QA/QC Samples			Analytical Suite
			Field Duplicates	Field Splits	MS/MSD	
FTA-106-GP01	FTA-106-GP01-SS-FV0001-REG	0-1			FTA-106-GP01-DS-FV0002-MS	TCL VOCs, TCL SVOCs,
	FTA-106-GP01-DS-FV0002-REG	1-3			FTA-106-GP01-DS-FV0002-MSD	TAL Metals
FTA-106-GP02	FTA-106-GP02-SS-FV0003-REG	0-1	FTA-106-GP02-SS-FV0004-FD	FTA-106-GP02-SS-FV0005-FS		TCL VOCs, TCL SVOCs,
	FTA-106-GP02-DS-FV0006-REG	7-8.5				TAL Metals
FTA-106-DEP01	FTA-106-DEP01-DEP-FV0007-REG	0-1				TCL VOCs, TCL SVOCs, TAL Metals
FTA-106-DEP02	FTA-106-DEP02-DEP-FV0008-REG	0-1				TCL VOCs, TCL SVOCs, TAL Metals
FTA-106-DEP03	FTA-106-DEP03-DEP-FV0009-REG	0-1				TCL VOCs, TCL SVOCs, TAL Metals
FTA-106-DEP04	FTA-106-DEP04-DEP-FV0010-REG	0-1				TCL VOCs, TCL SVOCs, TAL Metals

FD - Field duplicate.
FS - Field split.
ft. bgs - Feet below ground surface.
MS/MSD - Matrix spike/matrix spike duplicate.
QA/QC - Quality assurance/quality control.
SVOC - Semivolatile organic compound.
TAL - Target analyte list.
TCL - Target compound list.
VOC - Volatile organic compound.

soil was then collected with the sampling device and screened with a photoionization detector (PID) in accordance with Section 4.7.1.1 of the SAP (IT, 2000a). Samples for volatile organic compound (VOC) analyses were collected directly from the sampler using three EnCore® samplers. The remaining portion of the sample was transferred to a clean stainless-steel bowl, homogenized, and placed in the appropriate sample containers. The samples were analyzed for the parameters listed in Table 3-2 using methods outlined in Section 3.4. Sample collection logs are included in Appendix A.

3.2.2 Subsurface Soil Sampling

Subsurface soil samples were collected from two soil borings at Former Smoke Area S, Parcel 106(6), as shown on Figure 3-1. Subsurface soil sampling locations and rationale are presented in Table 3-1. Subsurface soil sample designations, depths, and QA/QC samples are listed in Table 3-2. Soil boring sampling locations were determined in the field by the on-site geologist based on UXO avoidance activities, sampling rationale, presence of surface structures, site topography, and buried and overhead utilities. IT contracted TEG, Inc., a direct-push technology subcontractor, to assist in subsurface soil sample collection.

Sample Collection. Subsurface soil samples were collected from soil borings at depths greater than 1 foot below ground surface (bgs) in the unsaturated zone. The soil borings were advanced and soil samples collected using the direct-push sampling procedures specified in Section 4.9.1.1 of the SAP (IT, 2000a). Sample collection logs are included in Appendix A. The samples were analyzed for the parameters listed in Table 3-2 using methods outlined in Section 3.4.

Subsurface soil samples were collected continuously until direct-push sampler refusal was encountered. Samples were field-screened using a PID in accordance with Section 4.7.1.1 of the SAP (IT, 2000a) to measure for volatile organic vapors. The soil sample displaying the highest reading was selected and sent to the laboratory for analysis; however, at those locations where PID readings were not greater than background, the deepest soil sample interval above the saturated zone was submitted for analysis. Samples to be analyzed for VOCs were collected directly from the sampler using three EnCore samplers. The remaining portion of the sample was transferred to a clean stainless-steel bowl, homogenized, and placed in the appropriate sample containers. Samples submitted for laboratory analysis are summarized in Table 3-2. The on-site geologist constructed a detailed boring log for each soil boring. The lithological log for each borehole is included in Appendix B.

At the completion of soil sampling, boreholes were abandoned with hydrated bentonite pellets following borehole abandonment procedures outlined in Appendix B of the SAP (IT, 2000a).

3.2.3 Surface Water Sampling

Four surface water samples were collected at Former Smoke Area S, Parcel 106(6), at the locations shown on Figure 3-1. The surface water sampling locations and rationale are listed in Table 3-1. Surface water sample designations and QA/QC samples are listed in Table 3-3. The sampling locations were determined in the field, based on drainage pathways and actual field observations.

Sample Collection. Surface water samples were collected in accordance with the procedures specified in Section 4.9.1.3 of the SAP (IT, 2000a). The surface water samples were collected by dipping a stainless-steel pitcher in the water and pouring the water into the sample containers or by dipping the sample containers in the water and allowing the water to fill the sample containers. Surface water samples were collected after field parameters (specific conductivity, dissolved oxygen, oxidation-reduction potential, temperature, turbidity, and pH) had been measured using a calibrated water-quality unit. Surface water field parameters are listed in Table 3-4. Sample collection logs are included in Appendix A. The samples were analyzed for the parameters listed in Table 3-3 using methods outlined in Section 3.4.

3.2.4 Sediment Sampling

Four sediment samples were collected at the same locations as the surface water samples presented in Section 3.2.3, as shown on Figure 3-1. Sediment sampling locations and rationale are presented in Table 3-1. The sediment sample designations and QA/QC samples are listed in Table 3-3. The actual sediment sampling locations were determined in the field, based on drainage pathways and actual field observations.

Sample Collection. Sediment samples were collected in accordance with the procedures specified in Section 4.9.1.2 of the SAP (IT, 2000a). Sediments were collected with a stainless-steel spoon and placed in a clean stainless-steel bowl. Samples for VOC analysis were then immediately collected from the stainless-steel bowl with three EnCore samplers. The remaining portion of the sample was homogenized and placed in the appropriate sample containers. Sample collection logs are included in Appendix A. The sediment samples were analyzed for the parameters listed in Table 3-3 using methods outlined in Section 3.4.

3.3 Surveying of Sample Locations

Sample locations were surveyed using global positioning system survey techniques described in Section 4.3 of the SAP (IT, 2000a) and conventional civil survey techniques described in Section 4.19 of the SAP (IT, 2000a). Horizontal coordinates were referenced to the U.S. State Plane

Table 3-3

Surface Water and Sediment Sample Designations and QA/QC Samples
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Designation	Sample Depth (ft. bgs)	QA/QC Samples			Analytical Suite
			Field Duplicates	Field Splits	MS/MSD	
FTA-106-SW/SD01	FTA-106-SW/SD01-SW-FV2001-REG	NA	FTA-106-SW/SD01-SW-FV2002-FD	FTA-106-SW/SD01-SW-FV2003-FS		TCL VOCs, TCL SVOCs, TAL Metals
	FTA-106-SW/SD01-SD-FV1001-REG	0-0.5				TCL VOCs, SVOCs, TAL Metals, TOC, Grain size
FTA-106-SW/SD02	FTA-106-SW/SD02-SW-FV2004-REG	NA				TCL VOCs, TCL SVOCs, TAL Metals
	FTA-106-SW/SD02-SD-FV1002-REG	0-0.5				TCL VOCs, SVOCs, TAL Metals, TOC, Grain size
FTA-106-SW/SD03	FTA-106-SW/SD03-SW-FV2005-REG	NA			FTA-106-SW/SD03-SW-FV2005-MS FTA-106-SW/SD03-SW-FV2005-MSD	TCL VOCs, TCL SVOCs, TAL Metals
	FTA-106-SW/SD03-SD-FV1003-REG	0-0.5				TCL VOCs, SVOCs, TAL Metals, TOC, Grain size
FTA-106-SW/SD04	FTA-106-SW/SD04-SW-FV2006-REG	NA				TCL VOCs, TCL SVOCs, TAL Metals
	FTA-106-SW/SD04-SD-FV1004-REG	0-0.5				TCL VOCs, SVOCs, TAL Metals, TOC, Grain size

FD -Field duplicate.
FS - Field split.
ft. bgs - Feet below ground surface.
MS/MSD - Matrix spike/matrix spike duplicate.
NA - Not applicable.
QA/QC - Quality assurance/quality control.
REG - Field sample.
SVOC - Semivolatile organic compound.
TAL - Target analyte list.
TCL - Target compound list.
TOC - Total organic carbon.
VOC - Volatile organic compound.

Table 3-4

Surface Water Field Parameters
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Sample Location	Date	Specific Conductivity (mS/cm)[a]	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
FTA-106-SW/SD01	15-Feb-99	0.019	8.38	274.7	13.81	0.2	4.98
FTA-106-SW/SD03	15-Feb-99	0.020	7.24	325.4	11.96	1.2	4.53
FTA-106-SW/SD04	11-Feb-99	0.020	7.09	341.0	14.53	20.5	4.31

[a] Specific conductivity values standardized to milliSiemens per centimeter.
°C - Degrees Celsius.
mg/L - Milligrams per liter.
mS/cm - MilliSiemens per centimeter.
mV - Millivolts.
NTU - Nephelometric turbidity unit.
ORP - Oxidation-reduction potential.
SU - Standard unit.

Coordinate System, Alabama East Zone, North American Datum of 1983. Elevations were referenced to the North American Vertical Datum of 1988. Horizontal coordinates and elevations are included in Appendix C.

3.4 Analytical Program

Samples collected during the SI were analyzed for various chemical and physical parameters. The specific suite of analyses performed was based on the potential site-specific chemicals historically at the site and EPA, Alabama Department of Environmental Management, FTMC, and USACE requirements. The samples collected at Former Smoke Area S, Parcel 106(6) were analyzed for the following parameters:

- Target compound list VOCs – EPA Method 5035/8260B
- Target compound list semivolatile organic compounds (SVOC) – EPA Method 8270C
- Target analyte list metals – EPA Method 6010B/7000
- Total organic carbon (TOC) – EPA Method 9060 (sediment only)
- Grain size – American Society for Testing and Materials Method D421/D422 (sediment only).

The samples were analyzed using EPA SW-846 methods, including Update III methods where applicable, as presented in Table 6-1 in Appendix B of the SAP (IT, 2000a). Data were reported and evaluated in accordance with Corps of Engineers South Atlantic Savannah Level B criteria (USACE, 1994) and the stipulated requirements for the generation of definitive data (Section 3.1.2 of Appendix B of the SAP [IT, 2000a]). Chemical data were reported via hard-copy data packages by the laboratory using Contract Laboratory Program-like forms. These packages were validated in accordance with EPA National Functional Guidelines by Level III criteria. A summary of validated analytical data is included in Appendix D. The Data Validation Summary Report is included as Appendix E.

3.5 Sample Preservation, Packaging, and Shipping

Sample preservation, packaging, and shipping followed requirements specified in Section 4.13.2 of the SAP (IT, 2000a). Sample containers, sample volumes, preservatives, and holding times for the analyses required in this SI are listed in Section 5.0, Table 5-1, of Appendix B of the SAP (IT, 2000a). Sample documentation and chain-of-custody records were recorded as specified in Section 4.13 of the SAP (IT, 2000a).

Completed analysis request and chain-of-custody records (Appendix A) were secured and included with each shipment of sample coolers to Quanterra Environmental Services in Knoxville, Tennessee. Split samples were shipped to the USACE South Atlantic Division Laboratory in Marietta, Georgia.

3.6 Investigation-Derived Waste Management and Disposal

Investigation-derived waste (IDW) was managed and disposed as outlined in Appendix D of the SAP (IT, 2000a). The IDW generated during the SI at Former Smoke Area S, Parcel 106(6) was segregated as follows:

- Soil boring cuttings
- Personal protective equipment
- Decontamination fluids.

Solid IDW was stored inside the fenced area surrounding Buildings 335 and 336 in lined rolloff bins prior to characterization and final disposal. Solid IDW was characterized using toxicity characteristic leaching procedure analysis. Based on the results, soil boring cuttings and personal protective equipment generated during the SI were disposed as nonregulated waste at the Industrial Waste Landfill on the Main Post of FTMC.

Liquid IDW was contained in the existing 20,000-gallon sump associated with the Building T-338 vehicle washrack. Liquid IDW was characterized by VOC, SVOC, and metals analyses. Based on the analyses, liquid IDW was discharged as nonregulated waste to the FTMC wastewater treatment plant on the Main Post.

3.7 Variances/Nonconformances

There were not any variances or nonconformances to the SFSP recorded during completion of the SI at Former Smoke Area S, Parcel 106(6).

3.8 Data Quality

The field sample analytical data are presented in tabular form in Appendix D. The field samples were collected, documented, handled, analyzed, and reported in a manner consistent with the SI work plan; the FTMC SAP and quality assurance plan; and standard, accepted methods and procedures. Sample collection logs pertaining to the collection of these samples were reviewed and organized for this report and are included in Appendix A.

Data Validation. A complete (100 percent) Level III data validation effort was performed on the reported analytical data. Appendix E consists of a data validation summary report that was prepared to discuss the results of the validation. Selected results were rejected or otherwise qualified based on the implementation of accepted data validation procedures and practices. These qualified parameters are highlighted in the report. The validation-assigned qualifiers were added to the FTMC IT Environmental Management System™ database for tracking and reporting. The qualified data were used in the comparisons to the SSSLs and ESVs. Rejected data (assigned an 'R' qualifier) were not used in comparisons to the SSSLs and ESVs.

The data presented in this report, except where qualified, meet the principle data quality objective for this SI.

4.0 Site Characterization

Subsurface investigations performed at Former Smoke Area S, Parcel 106(6), provided soil data used to characterize the geology of the site. Because there were not any wells installed at Parcel 106(6), a hydrogeological characterization was not performed.

4.1 Regional and Site Geology

4.1.1 Regional Geology

Calhoun County includes parts of two physiographic provinces, the Piedmont Upland Province and the Valley and Ridge Province. The Piedmont Upland Province occupies the extreme eastern and southeastern portions of the county and is characterized by metamorphosed sedimentary rocks. The generally accepted range in age of these metamorphics is Cambrian to Devonian.

The majority of Calhoun County, including the Main Post of FTMC, lies within the Appalachian fold-and-thrust structural belt (Valley and Ridge Province) where southeastward-dipping thrust faults with associated minor folding are the predominant structural features. The fold-and-thrust belt consists of Paleozoic sedimentary rocks that have been asymmetrically folded and thrust-faulted, with major structures and faults striking in a northeast-southwest direction.

Northwestward transport of the Paleozoic rock sequence along the thrust faults has resulted in the imbricate stacking of large slabs of rock referred to as thrust sheets. Within an individual thrust sheet, smaller faults may splay off the larger thrust fault, resulting in imbricate stacking of rock units within an individual thrust sheet (Osborne and Szabo, 1984). Geologic contacts in this region generally strike parallel to the faults, and repetition of lithologic units is common in vertical sequences. Geologic formations within the Valley and Ridge Province portion of Calhoun County have been mapped by Warman and Causey (1962), Osborne and Szabo (1984), and Moser and DeJarnette (1992), and vary in age from Lower Cambrian to Pennsylvanian.

The basal unit of the sedimentary sequence in Calhoun County is the Cambrian Chilhowee Group. The Chilhowee Group consists of the Cochran, Nichols, Wilson Ridge, and Weisner Formations (Osborne and Szabo, 1984) but in Calhoun County is either undifferentiated or divided into the Cochran and Nichols Formations and an upper undifferentiated Wilson Ridge and Weisner Formation. The Cochran is composed of poorly sorted arkosic sandstone and conglomerate with interbeds of greenish-gray siltstone and mudstone. Massive to laminated

greenish-gray and black mudstone makes up the Nichols Formation, with thin interbeds of siltstone and very fine-grained sandstone (Szabo et al., 1988). These two formations are mapped only in the eastern part of the county.

The Wilson Ridge and Weisner Formations are undifferentiated in Calhoun County and consist of both coarse-grained and fine-grained clastics. The coarse-grained facies appears to dominate the unit and consists primarily of coarse-grained, vitreous quartzite, and friable, fine- to coarse-grained, orthoquartzitic sandstone, both of which locally contain conglomerate. The fine-grained facies consists of sandy and micaceous shale and silty, micaceous mudstone which are locally interbedded with the coarse clastic rocks. The abundance of orthoquartzitic sandstone and quartzite suggests that most of the Chilhowee Group bedrock in the vicinity of FTMC belongs to the Weisner Formation (Osborne and Szabo, 1984).

The Cambrian Shady Dolomite overlies the Weisner Formation northeast, east and southwest of the Main Post and consists of interlayered bluish-gray or pale yellowish-gray sandy dolomitic limestone and siliceous dolomite with coarsely crystalline porous chert (Osborne et al., 1989). A variegated shale and clayey silt have been included within the lower part of the Shady Dolomite (Cloud, 1966). Material similar to this lower shale unit was noted in core holes drilled by the Alabama Geologic Survey on FTMC (Osborne and Szabo, 1984). The character of the Shady Dolomite in the FTMC vicinity and the true assignment of the shale at this stratigraphic interval are still uncertain (Osborne, 1999).

The Rome Formation overlies the Shady Dolomite and locally occurs to the northwest and southeast of the Main Post as mapped by Warman and Causey (1962) and Osborne and Szabo (1984), and immediately to the west of Reilly Airfield (Osborne and Szabo, 1984). The Rome Formation consists of variegated, thinly interbedded grayish-red-purple mudstone, shale, siltstone, and greenish-red and light gray sandstone, with locally occurring limestone and dolomite. The Conasauga Formation overlies the Rome Formation and occurs along anticlinal axes in the northeastern portion of Pelham Range (Warman and Causey, 1962), (Osborne and Szabo, 1984) and the northern portion of the Main Post (Osborne et al., 1997). The Conasauga Formation is composed of dark-gray, finely to coarsely crystalline medium- to thick-bedded dolomite with minor shale and chert (Osborne et al., 1989).

Overlying the Conasauga Formation is the Knox Group, which is composed of the Copper Ridge and Chepultepec dolomites of Cambro-Ordovician age. The Knox Group is undifferentiated in Calhoun County and consists of light medium gray, fine to medium crystalline, variably bedded

to laminated, siliceous dolomite and dolomitic limestone that weather to a chert residuum (Osborne and Szabo, 1984). The Knox Group underlies a large portion of the Pelham Range area.

The Ordovician Newala and Little Oak Limestones overlie the Knox Group. The Newala Limestone consists of light to dark gray, micritic, thick-bedded limestone with minor dolomite. The Little Oak Limestone is comprised of dark gray, medium- to thick-bedded, fossiliferous, argillaceous to silty limestone with chert nodules. These limestone units are mapped together as undifferentiated at FTMC and other parts of Calhoun County. The Athens Shale overlies the Ordovician limestone units. The Athens Shale consists of dark-gray to black shale and graptolitic shale with localized interbedded dark gray limestone (Osborne et al., 1989). These units occur within an eroded "window" in the uppermost structural thrust sheet at FTMC and underlie much of the developed area of the Main Post.

Other Ordovician-aged bedrock units mapped in Calhoun County include the Greensport Formation, Colvin Mountain Sandstone, and Sequatchie Formation. These units consist of various siltstones, sandstones, shales, dolomites and limestones, and are mapped as one, undifferentiated unit in some areas of Calhoun County. The only Silurian-age sedimentary formation mapped in Calhoun County is the Red Mountain Formation. This unit consists of interbedded red sandstone, siltstone, and shale with greenish-gray to red silty and sandy limestone.

The Devonian Frog Mountain Sandstone consists of sandstone and quartzitic sandstone with shale interbeds, dolomudstone, and glauconitic limestone (Szabo et al., 1988). This unit locally occurs in the western portion of Pelham Range.

The Mississippian Fort Payne Chert and the Maury Formation overlie the Frog Mountain Sandstone and are composed of dark- to light-gray limestone with abundant chert nodules and greenish-gray to grayish-red phosphatic shale, with increasing amounts of calcareous chert toward the upper portion of the formation (Osborne and Szabo, 1984). These units occur in the northwestern portion of Pelham Range. Overlying the Fort Payne Chert is the Floyd Shale, also of Mississippian age, which consists of thin-bedded, fissile brown to black shale with thin intercalated limestone layers and interbedded sandstone. Osborne and Szabo (1984) reassigned the Floyd Shale, which was mapped by Warman and Causey (1962) on the Main Post of FTMC, to the Ordovician Athens Shale on the basis of fossil data.

The Jacksonville Thrust Fault is the most significant structural geologic feature in the vicinity of FTMC, both for its role in determining the stratigraphic relationships in the area and for its contribution to regional water supplies. The trace of the fault extends northeastward for approximately 39 miles between Bynum, Alabama and Piedmont, Alabama. The fault is interpreted as a major splay of the Pell City Fault (Osborne and Szabo, 1984). The Ordovician sequence that makes p the Eden thrust sheet is exposed at FTMC through an eroded "window," or "fenster," in the overlying thrust sheet. Rocks within the window display complex folding with the folds being overturned and tight to isoclinal. The carbonates and shales locally exhibit well-developed cleavage (Osborne and Szabo, 1984). The FTMC window is framed on the northwest by the Rome Formation, north by the Conasauga Formation, northeast, east, and southwest by the Shady Dolomite, and southeast and southwest by the Chilhowee Group (Osborne et al., 1997).

4.1.2 Site Geology

Soils at Former Smoke Area S, Parcel 106(6), fall into the Montevallo series. Montevallo series soils are severely eroded, shaly, silty clay soils that have been formed by erosional forces, surface runoff, or natural reworking processes. These soils have a high erosion hazard and low capacity for available moisture (U.S. Department of Agriculture, 1961).

Former Smoke Area S, Parcel 106(6), is situated to the east of the Ordovician window in the uppermost thrust sheet, with the Jacksonville Fault just west of the site and a splay fault just east of the site (Figure 4-1). Bedrock beneath the site is mapped as Cambrian Shady Dolomite.

Based on direct-push soil boring data collected during the SI, residuum beneath the site consists predominantly of clay and silt overlying variegated weathered shale. Direct-push refusal was encountered at depths ranging from 3 to 8.5 feet bgs. Competent bedrock was not encountered during direct-push sampling.

4.2 Site Hydrology

Precipitation in the form of rainfall averages about 54 inches annually in Anniston, Alabama, with infiltration rates annually exceeding evapotranspiration rates (U.S. Department of Commerce, National Oceanic and Atmospheric Administration, 1998). The major surface water features on the Main Post of FTMC include Remount Creek, Cane Creek, South Branch of Cane Creek, and Cave Creek. These waterways flow in a general northwest to westerly direction towards the Coosa River on the western boundary of Calhoun County.

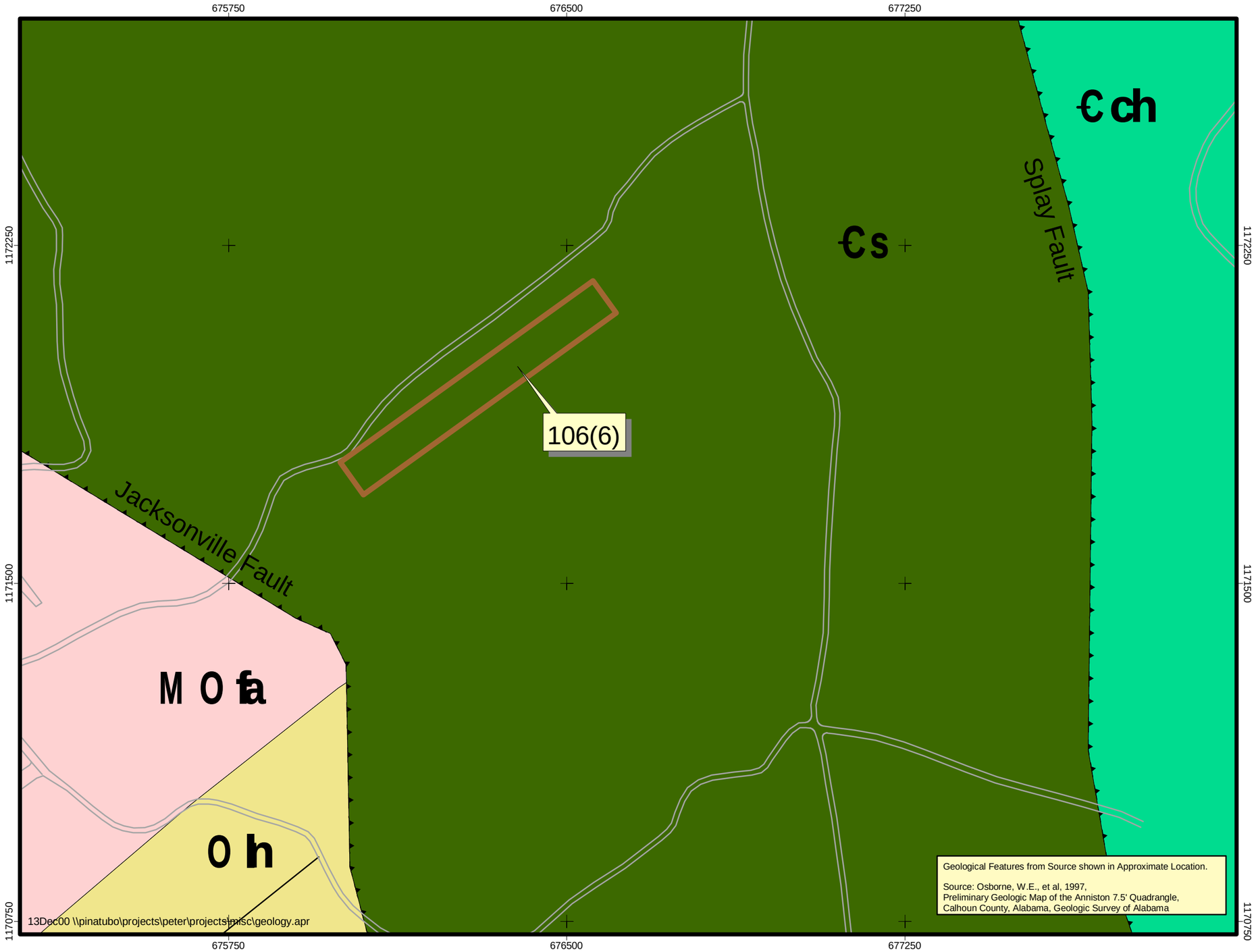

Figure 4-1

Site Geologic Map Former Smoke Area S, Parcel 106(6)

Legend

CERFA Parcel 106(3)

Roads

Fault

Geology

- Cch — Cambrian - Chilhowee Group
- Cs — Cambrian - Shady Dolomite
- MOfa — Mississippian/Ordovician - Floyd & Athens Shale, Undifferentiated
- Oln — Ordovician - Little Oak and Newala Limestones

0 200 400

State Plane feet, NAD 83

December 2000

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Fort McClellan

Environmental Office

U.S. Army Corps of Engineers
Mobile District
Fort McClellan
Calhoun County, Alabama
Contract No. DACA21-96-D-0018

IT CORPORATION

Surface runoff at Former Smoke Area S, Parcel 106(6), follows the general topography and flows to the south/southwest toward the unnamed intermittent stream that flows along the southeast parcel boundary. The intermittent stream flows to the south/southwest, where it converges with Cane Creek.

5.0 Summary of Analytical Results

The results of the chemical analysis of samples collected at Former Smoke Area S, Parcel 106(6), indicate that metals, VOCs, and SVOCs were detected in the various site media. To evaluate whether the detected constituents present an unacceptable risk to human health and the environment, analytical results were compared to the human health SSSLs and ESVs for FTMC. The SSSLs and ESVs were developed by IT for human health and ecological risk evaluations as part of the ongoing SIs being performed under the BRAC Environmental Restoration Program at FTMC.

Metal concentrations exceeding the SSSLs and ESVs were subsequently compared to metals background screening values (background concentrations) (SAIC, 1998) to determine if the metals concentrations are within natural background concentrations. Summary statistics for background metals samples collected at FTMC (SAIC, 1998) are included in Appendix F.

Six compounds were quantified by both SW-846 Method 8260B (as VOC) and Method 8270C (as SVOC), namely, 1,2,4-trichlorobenzene, 1,4-dichlorobenzene, 1,3-dichlorobenzene, 1,2-dichlorobenzene, hexachlorobutadiene, and naphthalene. Method 8260B yields a reporting limit (RL) of 0.005 milligrams per kilogram (mg/kg), while Method 8270C has a RL of 0.330 mg/kg, which is typical for a soil matrix sample. Due to the direct nature of the Method 8260B analysis and its resulting lower RL, this method should be considered superior to Method 8270C when quantifying low levels (0.005 to 0.330 mg/kg) of these compounds. Method 8270C and its associated methylene chloride extraction step is superior, however, when dealing with samples that contain higher concentrations (greater than 0.330 mg/kg) of these compounds. Therefore, all data were considered, and none were categorically excluded. Data validation qualifiers were helpful in evaluating the usability of data, especially if calibration, blank contamination, precision, or accuracy indicator anomalies were encountered. The validation qualifiers and concentrations reported (e.g., whether concentrations were less than or greater than 0.330 mg/kg) were used to determine which analytical method was likely to return the more nearly accurate result.

The following sections and Tables 5-1 through 5-4 summarize the results of the comparison of detected constituents to the SSSLs, ESVs, and background screening values. Complete analytical results are presented in Appendix D.

Table 5-1

Surface and Depositional Soil Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Parcel					FTA-106					FTA-106					FTA-106				
Sample Location					FTA-106-DEP01					FTA-106-DEP02					FTA-106-DEP03				
Sample Number					FV0007					FV0008					FV0009				
Sample Date					9-Mar-99					9-Mar-99					9-Mar-99				
Sample Depth (Feet)					0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.35E+03				YES	2.14E+03				YES	3.49E+03				YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.20E+00			YES		1.70E+00			YES		2.60E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.29E+02		YES			6.18E+01					6.58E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.30E+00		YES		YES	4.80E-01	J				3.80E-01	J			
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	ND					4.00E-01	J	YES			6.10E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	7.84E+02					3.24E+02	J				2.94E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	5.70E+00				YES	3.90E+00				YES	7.70E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.40E+01					3.30E+00	J				2.80E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	5.60E+00					4.40E+00					6.00E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	9.57E+03			YES	YES	5.49E+03			YES	YES	1.11E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.34E+01					1.84E+01					2.66E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	3.02E+02	J				1.26E+02	J				2.78E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.62E+03	J	YES	YES	YES	5.22E+02	J		YES	YES	5.12E+02	J		YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	7.40E-02	B				4.40E-02	B				4.70E-02	B			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	8.80E+00					3.60E+00	J				4.00E+00	J			
Potassium	mg/kg	8.00E+02	NA	NA	5.11E+02	J				1.72E+02	J				2.72E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	1.00E+00		YES		YES	ND					9.20E-01		YES		YES
Sodium	mg/kg	6.34E+02	NA	NA	1.05E+02	B				6.82E+01	B				1.30E+02	B			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.06E+01				YES	6.40E+00				YES	1.21E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	5.80E+01	J	YES		YES	1.18E+02	J	YES		YES	3.35E+02	J	YES		YES
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/kg	NA	3.13E+00	1.00E-01	ND					ND					ND				
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	4.10E-03	J				5.40E-03	J				ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND					ND					ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00	1.10E-01	J				1.30E-01	J				6.80E-02	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	3.30E-03	B				3.70E-03	B				4.60E-03	B			
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					ND					ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND					ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
Benzo(a)anthracene	mg/kg	NA	8.51E-01	5.21E+00	ND					ND					ND				
Benzo(a)pyrene	mg/kg	NA	8.51E-02	1.00E-01	ND					ND					ND				
Benzo(b)fluoranthene	mg/kg	NA	8.51E-01	5.98E+01	ND					ND					ND				
Benzo(ghi)perylene	mg/kg	NA	2.32E+02	1.19E+02	ND					ND					ND				
Benzo(k)fluoranthene	mg/kg	NA	8.51E+00	1.48E+02	ND					ND					ND				
Chrysene	mg/kg	NA	8.61E+01	4.73E+00	ND					ND					ND				
Fluoranthene	mg/kg	NA	3.09E+02	1.00E-01	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	NA	8.51E-01	1.09E+02	ND					ND					ND				
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03	ND					ND					ND				
Pyrene	mg/kg	NA	2.33E+02	1.00E-01	ND					ND					ND				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	1.30E-01	J				ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-106 FTA-106-DEP04 FV0010 9-Mar-99 0- 1					FTA-106 FTA-106-GP01 FV0001 5-Nov-98 0- 1					FTA-106 FTA-106-GP02 FV0003 5-Nov-98 0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	4.89E+03				YES	5.45E+03				YES	8.10E+03			YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	2.40E+00			YES		1.90E+00			YES		2.70E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.01E+02					3.20E+01					4.63E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.20E+00		YES		YES	ND					9.30E-01		YES		
Cadmium	mg/kg	2.90E-01	6.25E+00	1.60E+00	ND					ND					ND				
Calcium	mg/kg	1.72E+03	NA	NA	2.63E+02	J				ND					ND				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	4.60E+00				YES	1.23E+01				YES	1.39E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.70E+00	J				ND					ND				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.33E+01		YES			5.50E+00					2.04E+01	J	YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	5.39E+03			YES	YES	8.05E+03			YES	YES	1.27E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.33E+01					5.01E+01		YES		YES	1.90E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.88E+02	J				ND					ND				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.08E+03	J		YES	YES	7.85E+01					8.51E+01				
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	1.00E-01		YES		YES	ND					5.70E-02				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.10E+00	J				ND					4.50E+00				
Potassium	mg/kg	8.00E+02	NA	NA	2.19E+02	J				ND					ND				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	9.00E-01	J	YES		YES	8.80E-01		YES		YES	1.00E+00		YES		YES
Sodium	mg/kg	6.34E+02	NA	NA	8.65E+01	B				ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	8.20E+00	J			YES	7.40E+00				YES	8.20E+00				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.51E+01	J				4.48E+01	J	YES			1.82E+01	J			
VOLATILE ORGANIC COMPOUNDS																			
1,1,2,2-Tetrachloroethane	mg/kg	NA	3.13E+00	1.00E-01	ND					ND					4.00E-03	J			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	2.50E-02	J				6.40E-03	B				6.20E-03	B			
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND					ND					3.70E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00	7.30E-01	J				9.30E-02	J				9.50E-02	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	9.20E-03	B				5.00E-03	B				5.00E-03	B			
Naphthalene	mg/kg	NA	1.55E+02	1.00E-01	ND					2.50E-03	J				ND				
p-Cymene	mg/kg	NA	1.55E+03	NA	3.50E-02	J				ND					ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
Benzo(a)anthracene	mg/kg	NA	8.51E-01	5.21E+00	ND					7.00E-02	J				ND				
Benzo(a)pyrene	mg/kg	NA	8.51E-02	1.00E-01	ND					5.90E-02	J				ND				
Benzo(b)fluoranthene	mg/kg	NA	8.51E-01	5.98E+01	ND					6.00E-02	J				ND				
Benzo(ghi)perylene	mg/kg	NA	2.32E+02	1.19E+02	ND					4.00E-02	J				ND				
Benzo(k)fluoranthene	mg/kg	NA	8.51E+00	1.48E+02	ND					7.50E-02	J				ND				
Chrysene	mg/kg	NA	8.61E+01	4.73E+00	ND					7.90E-02	J				ND				
Fluoranthene	mg/kg	NA	3.09E+02	1.00E-01	ND					1.00E-01	J			YES	ND				
Indeno(1,2,3-cd)pyrene	mg/kg	NA	8.51E-01	1.09E+02	ND					3.70E-02	J				ND				
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03	ND					1.40E-01	J			YES	ND				
Pyrene	mg/kg	NA	2.33E+02	1.00E-01	ND					7.80E-02	J				ND				
bis(2-Ethylhexyl)phthalate	mg/kg	NA	4.52E+01	9.30E-01	ND					ND					ND				

Table 5-1

Surface and Depositional Soil Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Analyses performed by Quanterra Environmental Services using EPA SW-846 analytical methods, including Update III methods where available.

[a] Bkg - Background. 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.

[b] Residential human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - Result is greater than method detection limit but less than or equal to reporting limit.

mg/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.

Table 5-2

Subsurface Soil Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)				FTA-106 FTA-106-GP01 FV0002 5-Nov-98 1-3				FTA-106 FTA-106-GP02 FV0006 5-Nov-98 7 - 8.5			
Parameter	Units	BKG[a]	SSSL[b]	Result	Qual	>BKG	>SSSL	Result	Qual	>BKG	>SSSL
METALS											
Aluminum	mg/kg	1.36E+04	7.80E+03	5.16E+03				6.34E+03			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.80E+00			YES	2.90E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	2.48E+01				7.04E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				1.90E+00		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	9.30E+00				1.29E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	ND				1.94E+01		YES	
Copper	mg/kg	1.94E+01	3.13E+02	5.90E+00				5.25E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	9.81E+03			YES	1.74E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	5.40E+00				9.00E+00			
Magnesium	mg/kg	7.66E+02	NA	ND				2.92E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.76E+01				3.16E+02			
Nickel	mg/kg	1.29E+01	1.54E+02	ND				2.45E+01		YES	
Potassium	mg/kg	7.11E+02	NA	ND				3.72E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	5.90E-01		YES		ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	7.80E+00				ND			
Zinc	mg/kg	3.49E+01	2.34E+03	1.28E+01	J			5.96E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS											
Acetone	mg/kg	NA	7.76E+02	1.50E-01	J			1.40E-02	J		
Bromomethane	mg/kg	NA	1.09E+01	2.40E-03	J			ND			
Methylene chloride	mg/kg	NA	8.41E+01	5.50E-03	B			4.20E-03	B		

Analyses performed by Quanterra Environmental Services using EPA SW-846 analytical methods, including Update III methods where available.

[a] Bkg - Background. 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.

[b] Residential human health site-specific screening level (SSSL) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama,* July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - Result is greater than method detection limit but less than or equal to reporting limit.

mg/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.

Table 5-3

Surface Water Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date					FTA-106 FTA-106-SW/SD01 FV2001 15-Feb-99					FTA-106 FTA-106-SW/SD02 FV2004 15-Feb-99					FTA-106 FTA-106-SW/SD03 FV2005 15-Feb-99					FTA-106 FTA-106-SW/SD04 FV2006 11-Feb-99				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS																								
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	1.00E-01	B			YES	9.44E-02	B			YES	1.14E-01	B			YES	1.16E-01	B			YES
Barium	mg/L	7.53E-02	1.10E+00	3.90E-03	2.72E-02	J			YES	3.45E-02	J			YES	3.36E-02	J			YES	3.26E-02	J			YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	6.60E-01	J				7.69E-01	J				7.10E-01	J				7.01E-01	J			
Magnesium	mg/L	1.10E+01	NA	8.20E+01	5.21E-01	J				6.29E-01	J				5.66E-01	J				5.93E-01	J			
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	1.40E-02	J				2.50E-02					1.71E-02					1.39E-02	J			
Potassium	mg/L	2.56E+00	NA	5.30E+01	ND					ND					ND					8.97E-01	B			
Sodium	mg/L	3.44E+00	NA	6.80E+02	6.95E-01	B				8.66E-01	B				6.71E-01	B				1.39E+00	B			
Thallium	mg/L	2.40E-03	1.01E-03	4.00E-03	ND					ND					ND					4.70E-03	J	YES	YES	YES
VOLATILE ORGANIC COMPOUNDS																								
Acetone	mg/L	NA	1.57E+00	7.80E+01	1.30E-03	B				ND					ND					ND				

Analyses performed by Quanterra Environmental Services using EPA SW-846 analytical methods, including Update III methods where available.

[a] Bkg - Background. 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.*

[b] Recreational site user site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - Result is greater than method detection limit but less than or equal to reporting limit.

mg/L - Milligrams per liter.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.

Table 5-4

Sediment Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-106 FTA-106-SW/SD01 FV1001 15-Feb-99 0- .5					FTA-106 FTA-106-SW/SD02 FV1002 15-Feb-99 0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS														
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	5.43E+03					3.32E+03				
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	1.80E+00					1.30E+00	J			
Barium	mg/kg	9.89E+01	8.36E+04	NA	3.61E+01	J				3.31E+01	J			
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	6.80E-01	J				6.10E-01	J			
Calcium	mg/kg	1.11E+03	NA	NA	9.06E+01	J				1.33E+02	J			
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	5.10E+00	J				5.60E+00	J			
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	8.10E+00					2.00E+00	J			
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	3.20E+00	J				2.70E+00	J			
Iron	mg/kg	3.53E+04	3.59E+05	NA	6.49E+03					5.30E+03				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	9.60E+00	J				8.80E+00	J			
Magnesium	mg/kg	9.06E+02	NA	NA	1.49E+02	J				1.11E+02	J			
Manganese	mg/kg	7.12E+02	4.38E+04	NA	3.90E+02	J				9.49E+01	J			
Mercury	mg/kg	1.10E-01	2.99E+02	1.30E-01	4.70E-02					3.50E-02	J			
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	2.50E+00	J				2.10E+00	J			
Potassium	mg/kg	1.01E+03	NA	NA	ND					ND				
Selenium	mg/kg	7.20E-01	5.96E+03	NA	7.40E-01		YES			7.60E-01	J	YES		
Sodium	mg/kg	6.92E+02	NA	NA	3.27E+01	B				2.98E+01	B			
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	1.00E+01					8.30E+00				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	7.80E+00	J				1.16E+01	J			
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	6.23E+05	1.37E-01	9.40E-03	J				9.40E-02	J			
Acetone	mg/kg	NA	1.03E+05	4.53E-01	2.60E-01	J				1.00E+00	B			YES
Cumene	mg/kg	NA	1.04E+05	NA	ND					ND				
Methylene chloride	mg/kg	NA	9.84E+03	1.26E+00	6.40E-03	B				7.70E-03	B			
Trichlorofluoromethane	mg/kg	NA	3.06E+05	3.07E-03	ND					4.80E-03	J			YES

Table 5-4

Sediment Analytical Results
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date Sample Depth (Feet)					FTA-106 FTA-106-SW/SD03 FV1003 15-Feb-99 0-.5					FTA-106 FTA-106-SW/SD04 FV1004 11-Feb-99 0-.5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Result	Qual	>BKG	>SSSL	>ESV	Result	Qual	>BKG	>SSSL	>ESV
METALS														
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	4.52E+03					3.12E+03				
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	1.50E+00					1.50E+00				
Barium	mg/kg	9.89E+01	8.36E+04	NA	3.57E+01	J				4.34E+01	J			
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	4.90E-01	J				6.90E-01	J			
Calcium	mg/kg	1.11E+03	NA	NA	8.85E+01	J				1.48E+02	J			
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	4.10E+00	J				3.70E+00	J			
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	3.60E+00	J				9.70E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	2.50E+00	J				3.60E+00				
Iron	mg/kg	3.53E+04	3.59E+05	NA	5.42E+03					4.89E+03				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	7.00E+00	J				1.34E+01	J			
Magnesium	mg/kg	9.06E+02	NA	NA	1.82E+02	J				1.51E+02	J			
Manganese	mg/kg	7.12E+02	4.38E+04	NA	2.11E+02	J				6.17E+02	J			
Mercury	mg/kg	1.10E-01	2.99E+02	1.30E-01	3.40E-02	J				3.40E-02	J			
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	2.50E+00	J				2.40E+00	J			
Potassium	mg/kg	1.01E+03	NA	NA	1.63E+02	J				1.08E+02	J			
Selenium	mg/kg	7.20E-01	5.96E+03	NA	6.30E-01	J				6.30E-01	J			
Sodium	mg/kg	6.92E+02	NA	NA	3.94E+01	B				5.46E+01	B			
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	8.50E+00					6.90E+00	J			
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	1.11E+01	J				1.74E+01	J			
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	6.23E+05	1.37E-01	ND					8.70E-03	J			
Acetone	mg/kg	NA	1.03E+05	4.53E-01	4.80E-02	J				2.00E-01	J			
Cumene	mg/kg	NA	1.04E+05	NA	ND					5.80E-03	J			
Methylene chloride	mg/kg	NA	9.84E+03	1.26E+00	4.40E-03	B				4.10E-03	B			
Trichlorofluoromethane	mg/kg	NA	3.06E+05	3.07E-03	ND					4.00E-03	J			YES

Analyses performed by Quanterra Environmental Services using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods, including Update III methods where applicable.

[a] Bkg - Background. 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. For SVOCs, value listed is the background screening criterion for soils adjacent to asphalt as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

[b] Recreational user site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - Result is greater than stated method detection limit but less than or equal to specified reporting limit.

mg/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.

5.1 Surface and Depositional Soil Analytical Results

Two surface soil samples and four depositional soil samples were collected for chemical analysis at Former Smoke Area S, Parcel 106(6). Surface and depositional soil samples were collected from the upper 1 foot of soil at the locations shown on Figure 3-1. Analytical results were compared to residential human health SSSLs, ESVs, and metals background concentrations, as presented in Table 5-1.

Metals. Twenty metals were detected in surface and depositional soil samples collected at Former Smoke Area S, Parcel 106(6). Sample location FTA-106-DEP03 contained all of the detected metals, and three other locations (FTA-106-DEP01, FTA-106-DEP02, and FTA-106-DEP04) each contained 19 of the 20 detected metals. The sodium results and three of the mercury results were flagged with a 'B' data qualifier, signifying that these metals were also detected in an associated laboratory or field blank sample.

The concentrations of aluminum (in sample FTA-106-GP02), arsenic (at six locations), iron (at six locations), and manganese (at four locations) exceeded SSSLs. With the exception of manganese at one location (FTA-106-DEP01), the concentrations of these metals were below the respective background concentrations. Although the manganese result exceeded its respective background concentration, it was within the range of background values determined by SAIC (1998) (Appendix F).

The concentrations of aluminum (at six locations), beryllium (in samples FTA-106-DEP01 and FTA-106-DEP04), chromium (six locations), iron (six locations), lead (FTA-106-GP01), manganese (four locations), mercury (FTA-106-DEP04), selenium (five locations), vanadium (six locations), and zinc (three locations) exceeded ESVs. With the exception of beryllium (two locations) and zinc (one location), the concentrations of these metals were either below their respective background concentrations or within the range of background values; however, both zinc and beryllium were below their SSSLs.

Volatile Organic Compounds. Seven VOCs, namely, 1,1,2,2-tetrachloroethane, 2-butanone, 4-methyl-2-pentanone, acetone, methylene chloride, naphthalene, and p-cymene, were detected in surface and depositional soil samples collected at Former Smoke Area S, Parcel 106(6). The methylene chloride results and two of the 2-butanone results were flagged with a 'B' data qualifier, signifying that these compounds were also detected in an associated laboratory or field

blank sample. The remaining VOC results were flagged with a 'J' data qualifier, indicating that the results were greater than the method detection limit but less than the reporting limit.

The VOC concentrations in surface and depositional soils were below SSSLs and ESVs.

Semivolatile Organic Compounds. Eleven SVOCs were detected in surface and depositional soil samples collected at Former Smoke Area S, Parcel 106(6). Sample location FTA-106-GP01 contained ten of the eleven detected SVOCs, and sample location FTA-106-DEP01 contained one of the eleven detected SVOCs. SVOCs were not detected at the remaining four sample locations.

The SVOC concentrations in surface and depositional soils were below SSSLs. Fluoranthene and pentachlorophenol concentrations exceeded ESVs at sample location FTA-106-GP01.

5.2 Subsurface Soil Analytical Results

Two subsurface soil samples were collected for chemical analysis at Former Smoke Area S, Parcel 106(6). Subsurface soil samples were collected at depths greater than 1 foot bgs at the locations shown on Figure 3-1. Analytical results were compared to residential human health SSSLs and metals background concentrations, as presented in Table 5-2.

Metals. Sixteen metals were detected in subsurface soil samples collected at Former Smoke Area S, Parcel 106(6). The sample collected from location FTA-106-GP02 contained 14 of the 16 detected metals.

The concentrations of two metals (arsenic and iron) exceeded SSSLs. However, the concentrations of these metals were below their respective background concentrations.

Volatile Organic Compounds. Three VOCs (acetone, bromomethane, and methylene chloride) were detected in subsurface soil samples collected at Former Smoke Area S, Parcel 106(6). The methylene chloride results were flagged with a 'B' data qualifier, signifying that this compound was also detected in an associated laboratory or field blank sample.

The VOC concentrations in subsurface soils were below SSSLs.

Semivolatile Organic Compounds. SVOCs were not detected in subsurface soil samples collected at Former Smoke Area S, Parcel 106(6).

5.3 Surface Water Analytical Results

Four surface water samples were collected for chemical analyses at Former Smoke Area S, Parcel 106(6), at the locations shown on Figure 3-1. Analytical results were compared to recreational site user human health SSSLs, ESVs, and metals background concentrations, as presented in Table 5-3.

Metals. Eight metals were detected in surface water samples collected at Former Smoke Area S, Parcel 106(6). Sample location FTA-106-SW/SD04 contained all of the detected metals. The aluminum, sodium, and potassium results were flagged with a 'B' data qualifier, signifying that these metals were also detected in an associated laboratory or field blank sample.

The thallium concentration at FTA-106-SW/SD04 exceeded the SSSL, its respective background concentration, and the range of background values as determined by SAIC (1998) (Appendix F).

The concentrations of aluminum (at four locations), barium (at four locations), and thallium (at one location) exceeded ESVs. With the exception of the thallium result, the concentrations of these metals were below their respective background concentrations.

Volatile Organic Compounds. Acetone was detected in one of the surface water samples (FTA-106-SW/SD01) collected at Former Smoke Area S, Parcel 106(6). The acetone result was flagged with a 'B' data qualifier, signifying that this compound was also detected in an associated laboratory or field blank sample.

The acetone concentration was below the SSSL and ESV.

Semivolatile Organic Compounds. SVOCs were not detected in the surface water samples collected at Former Smoke Area S, Parcel 106(6).

5.4 Sediment Analytical Results

Four sediment samples were collected for chemical and physical analyses at Former Smoke Area S, Parcel 106(6). Sediment samples were collected from the upper 0.5 foot of sediment at the

locations shown on Figure 3-1. Analytical results were compared to recreational site user human health SSSLs, ESVs, and metals background concentrations, as presented in Table 5-4.

Metals. Nineteen metals were detected in sediment samples collected at Former Smoke Area S, Parcel 106(6). Sample locations FTA-106-SW/SD03 and FTA-106-SW/SD04 each contained all 19 of the detected metals. The sodium results were flagged with a 'B' data qualifier, signifying that this metal was also detected in an associated laboratory or field blank sample.

The metals concentrations in sediments were below SSSLs and ESVs.

Volatile Organic Compounds. Five VOCs, namely, 2-butanone, acetone, cumene, methylene chloride, and trichlorofluoromethane, were detected in sediment samples collected at Former Smoke Area S, Parcel 106(6). Sample location FTA-106-SW/SD04 contained 24 of the detected VOCs. The methylene chloride results and one of the acetone results were flagged with a 'B' data qualifier, signifying that these compounds were also detected in an associated laboratory or field blank sample.

The VOC concentrations in sediments were below SSSLs. Concentrations of acetone (at one location) and trichlorofluoromethane (at two locations) exceeded ESVs.

Semivolatile Organic Compounds. SVOCs were not detected in the sediment samples collected at Former Smoke Area S, Parcel 106(6).

Total Organic Carbon. TOC was detected in each of the sediment samples. TOC concentrations ranged from 7,710 to 26,400 mg/kg in the sediment samples. The TOC results are summarized in Appendix D.

Grain Size. The results of grain size analysis for sediment samples are included in Appendix D.

6.0 Summary, Conclusions, and Recommendations

IT, under contract with USACE, completed an SI at Former Smoke Area S, Parcel 106(6), at FTMC in Calhoun County, Alabama. The SI was conducted to determine whether chemical constituents are present at the site in concentrations that present an unacceptable risk to human health or the environment. The SI at Former Smoke Area S, Parcel 106(6), consisted of the sampling and analysis of two surface soil samples, four depositional soil samples, two subsurface soil samples, and four surface water and sediment samples.

Chemical analysis of samples collected at Former Smoke Area S, Parcel 106(6), indicates that metals, VOCs, and SVOCs were detected in the various site media. Analytical results were compared to the human health SSSLs and ESVs for FTMC. The SSSLs and ESVs were developed by IT for human health and ecological risk evaluations as part of the ongoing SIs being performed under the BRAC Environmental Restoration Program at FTMC. Additionally, metal concentrations exceeding SSSLs and ESVs were compared to media-specific background screening values (SAIC, 1998).

The potential threat to human receptors is expected to be low. Although the site is located within an undeveloped area of the Main Post and is projected for passive recreational use, the soils data were screened against residential human health SSSLs to evaluate the site for possible unrestricted future land use. With the exception of thallium in one surface water sample, the metals results that exceeded SSSLs were below their respective background concentrations or within the range of background values determined by SAIC (1998). Thallium was not detected in any of the other samples collected at the site and is not known to have been used in operations conducted at the site. Consequently, thallium is probably not a site-related contaminant. VOC and SVOC concentrations in site media were below SSSLs.

The potential impact to ecological receptors is also expected to be minimal. The concentrations of six metals (beryllium, lead, manganese, mercury, selenium, and zinc) exceeded ESVs and their respective background concentrations in surface and depositional soil samples at Parcel 106(6). With the exception of beryllium (at two locations) and zinc (at one location), these metals concentrations were within the range of background values determined by SAIC.

The VOCs trichlorofluoromethane (in two sediment samples) and acetone (in one sediment sample) were detected at concentrations exceeding ESVs. Acetone is a common laboratory

contaminant, and the result was flagged with a ‘B’ data qualifier, indicating that acetone is probably not a site-related contaminant. The trichlorofluromethane results (0.0048 mg/kg and 0.004 mg/kg) marginally exceeded the ESV (0.00307 mg/kg). The SVOCs fluoranthene (0.1 mg/kg) and pentachlorophenol (0.14 mg/kg) were detected in one surface soil sample at concentrations exceeding ESVs. The low levels and limited distribution of the VOCs and SVOCs detected are not expected to pose a substantial threat to ecological receptors.

Groundwater was not investigated at Former Smoke Area S, Parcel 106(6); impacts to groundwater are not anticipated from site-related smoke training activities. However, a groundwater contamination has been detected at Training Area T-38, Former Technical Escort Reaction Area, Parcel 186(6), located approximately 1,600 feet northwest of Former Smoke Area S. This contamination is being addressed as part of a remedial investigation currently being conducted at that site.

Although site-related impacts to groundwater are not anticipated at Former Smoke Area S, Parcel 106(6), offsite contamination from Training Area T-38 could impact groundwater at the site. Therefore, potential impacts to Former Smoke Area S, Parcel 106(6), cannot be positively identified until the completion of the remedial investigation at Parcel 186(6).

Based on the results of the SI, past operations at Former Smoke Area S, Parcel 106(6), do not appear to have adversely impacted the environment. The metals and chemical constituents detected in site media do not pose an unacceptable risk to human health and the environment. Therefore, IT Corporation recommends “No Further Action” and unrestricted land reuse with regard to hazardous, toxic, and radioactive waste at Former Smoke Area S, Parcel 106(6).

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ATTACHMENT 1

LIST OF ABBREVIATIONS AND ACRONYMS

List of Abbreviations and Acronyms

2,4-D	2,4-dichlorophenoxyacetic acid
2,4,5-T	2,4,5-trichlorophenoxyacetic acid
2,4,5-TP	silvex
3D	3D International Environmental Group
Abs	skin absorption
AC	hydrogen cyanide
AcB2	Anniston and Allen gravelly loams, 2 to 6 percent slopes, eroded
AcC2	Anniston and Allen gravelly loams, 6 to 10 percent slopes, eroded
AcD2	Anniston and Allen gravelly loams, 10 to 15 percent slopes, eroded
AcE2	Anniston and Allen gravelly loams, 15 to 25 percent slopes, eroded
ACGIH	American Conference of Governmental Industrial Hygienists
ADEM	Alabama Department of Environmental Management
AEL	airborne exposure limit
AHA	ammunition holding area
AL	Alabama
amb.	amber
ANAD	Anniston Army Depot
APT	armor-piercing tracer
ASP	ammunition supply point
ASR	Archives Search Report
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
'B'	Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero)
BCT	BRAC Cleanup Team
BEHP	bis(2-ethylhexyl)phthalate
BFB	bromofluorobenzene
BG	Bacillus globigii
bgs	below ground surface
BHC	betahexachlorocyclohexane
bkg	background
bls	below land surface
BOD	biological oxygen demand
BRAC	Base Realignment and Closure
Braun	Braun Intertec Corporation
BTEX	benzene, toluene, ethyl benzene, and xylenes
BTOC	below top of casing
BW	biological warfare
BZ	breathing zone; 3-quinuclidinyl benzilate
C	ceiling limit value
Ca	carcinogen
CCAL	continuing calibration
CCB	continuing calibration blank
CD	compact disc
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
CESAS	Corps of Engineers South Atlantic Savannah
CG	carbonyl chloride (phosgene)
CFC	chlorofluorocarbon
ch	inorganic clays of high plasticity
CHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
CK	cyanogen chloride
cl	inorganic clays of low to medium plasticity
Cl.	chlorinated
CLP	Contract Laboratory Program
CN	chloroacetophenone
CNB	chloroacetophenone, benzene, and carbon tetrachloride
CNS	chloroacetophenone, chloropicrin, and chloroform
Co-60	cobalt-60
COC	chain of custody
COE	Corps of Engineers
Con	skin or eye contact
CRL	certified reporting limit
CRZ	contamination reduction zone
Cs-137	cesium-137
CS	ortho-chlorobenzylidene-malononitrile
CSEM	conceptual site exposure model
ctr.	container
CWA	chemical warfare agent
CWM	chemical warfare material; clear, wide mouth
CX	dichloroformoxime
D	duplicate; dilution
DANC	decontamination agent, non-corrosive
°C	degrees Celsius
°F	degrees Fahrenheit
DCE	dichloroethene
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
DEH	Directorate of Engineering and Housing
DEP	depositional soil
DI	deionized
DIMP	di-isopropylmethylphosphonate
DMMP	dimethylmethylphosphonate
DOD	U.S. Department of Defense
DP	direct-push
DPDO	Defense Property Disposal Office
DPT	direct-push technology
DQO	data quality objective
DRMO	Defense Reutilization and Marketing Office
DRO	diesel range organics
DS	deep (subsurface) soil
DS2	Decontamination Solution Number 2
E&E	Ecology and Environment, Inc.
EBS	environmental baseline survey
Elev.	elevation
EM	electromagnetic
EM31	Geonics Limited EM31 Terrain Conductivity Meter
EM61	Geonics Limited EM61 High-Resolution Metal Detector
EOD	explosive ordnance disposal
EODT	explosive ordnance disposal team
EPA	U.S. Environmental Protection Agency
EPC	exposure point concentration
EPIC	Environmental Photographic Interpretation Center
ER	equipment rinsate
ESE	Environmental Science and Engineering, Inc.
ESV	ecological screening value
Exp.	explosives
E-W	east to west
EZ	exclusion zone
FB	field blank
FD	field duplicate
FedEx	Federal Express, Inc.
FFE	field flame expedient
Fil	filtered
Flt	filtered
FMP 1300	Former Motor Pool 1300
Foster Wheeler	Foster Wheeler Environmental Corporation
Frtn	fraction
FS	field split
ft	feet
ft/ft	feet per foot
FTA	Fire Training Area
FTMC	Fort McClellan
g	gram
G-856	Geometrics, Inc. G-856 magnetometer
G-858G	Geometrics, Inc. G-858G magnetic gradiometer
gal	gallon
gal/min	gallons per minute
GB	sarin
gc	clay gravels; gravel-sand-clay mixtures
GC	gas chromatograph
GC/MS	gas chromatograph/mass spectrometer
GFAA	graphite furnace atomic absorption
gm	silty gravels; gravel-sand-silt mixtures
gp	poorly graded gravels; gravel-sand mixtures
gpm	gallons per minute
GPR	ground-penetrating radar
GPS	global positioning system
GS	ground scar
GSA	General Services Administration
GSBP	Ground Scar Boiler Plant
GSSI	Geophysical Survey Systems, Inc.
GST	ground stain

GW	groundwater
gw	well-graded gravels; gravel-sand mixtures
HA	hand auger
HCl	hydrochloric acid
HD	distilled mustard
HDPE	high-density polyethylene
Herb.	herbicides
HNO_3	nitric acid
hr	hour
H&S	health and safety
HSA	hollow-stem auger
HTRW	hazardous, toxic, and radioactive waste
'I'	out of control, data rejected due to low recovery
ICAL	initial calibration
ICB	initial calibration blank
ICP	inductively-coupled plasma
ICS	interference check sample
ID	inside diameter
IDL	instrument detection limit
IDLH	immediately dangerous to life or health
IDW	investigation-derived waste
IMPA	isopropylmethyl phosphonic acid
in.	inch
Ing	ingestion
Inh	inhalation
IP	ionization potential
IPS	International Pipe Standard
IRDMIS	Installation Restoration Data Management Information System
ISCP	Installation Spill Contingency Plan
IT	IT Corporation
ITEMS	IT Environmental Management System ™
'J'	estimated concentration
JeB2	Jefferson gravelly fine sandy loam, 2 to 6 percent slopes, eroded
JeC2	Jefferson gravelly fine sandy loam, 6 to 10 percent slopes, eroded
JfB	Jefferson stony fine sandy loam, 0 to 10 percent slopes have strong slopes
K	conductivity
L	lewisite; liter
LC_{50}	lethal concentration for 50 percent of population tested
LD_{50}	lethal dose for 50 percent of population tested
l	liter
LCS	laboratory control sample
LEL	lower explosive limit
LT	less than the certified reporting limit
max	maximum
MDL	method detection limit
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mg/m^3	milligrams per cubic meter
mh	inorganic silts, micaceous or diatomaceous fine, sandy or silt soils
MHz	megahertz
µg/g	micrograms per gram
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
µmhos/cm	micromhos per centimeter
min	minimum
MINICAMS	miniature continuous air sampling system
ml	inorganic silts and very fine sands
mL	milliliter
mm	millimeter
MM	mounded material
MOGAS	motor vehicle gasoline
MPA	methyl phosphonic acid
MR	molasses residue
MS	matrix spike
mS/cm	millisiemens per centimeter
MSD	matrix spike duplicate
msl	mean sea level
MtD3	Montevallo shaly, silty clay loam, 10 to 40 percent slopes , severely eroded
mV	millivolts
MW	monitoring well
N/A	not applicable; not available
NAD	North American Datum
NAD83	North American Datum of 1983
NAVD88	North American Vertical Datum of 1988
ND	not detected
NE	no evidence; northeast
NFA	No Further Action
ng/L	nanograms per liter
NGVD	National Geodetic Vertical Datum
NIC	notice of intended change
NIOSH	National Institute for Occupational Safety and Health
No.	number
NOAA	National Oceanic and Atmospheric Administration
NR	not requested
ns	nanosecond
N-S	north to south
nT	nanotesla
NTU	nephelometric turbidity unit
O&G	oil and grease
OD	outside diameter
OE	ordnance and explosives
oh	organic clays of medium to high plasticity
ol	organic silts and organic silty clays of low plasticity
OP	organophosphorus
ORP	oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OWS	oil/water separator
oz	ounce
PAH	polynuclear aromatic hydrocarbon
Parsons	Parsons Engineering Science, Inc.
Pb	lead
PCB	polychlorinated biphenyl
PCE	perchloroethene
PCP	pentachlorophenol
PDS	Personnel Decontamination Station
PEL	permissible exposure limit
Pest.	pesticide
PG	professional geologist
PID	photoionization detector
PkA	Philo and Stendal soils local alluvium, 0 to 2 percent slopes
POL	petroleum, oils, and lubricants
PP	peristaltic pump
ppb	parts per billion
PPE	personal protective equipment
ppm	parts per million
PPMP	Print Plant Motor Pool
ppt	parts per thousand
PSSC	potential site-specific chemical
pt	peat or other highly organic silts
PVC	polyvinyl chloride
QA	quality assurance
QA/QC	quality assurance/quality control
QAP	installation-wide quality assurance plan
QC	quality control
QST	QST Environmental Inc.
qty	quantity
Qual	qualifier
'R'	rejected; resample
RCRA	Resource Conservation and Recovery Act
RDX	cyclonite
ReB3	Rarden silty clay loams
REG	field sample
REL	recommended exposure limit
RFA	request for analysis
RI	remedial investigation
RL	reporting limit
RPD	relative percent difference
RRF	relative response factor
RSD	relative standard deviation
RTK	real-time kinematic
SAD	South Atlantic Division
SAE	Society of Automotive Engineers
SAIC	Science Applications International Corporation
SAP	installation-wide sampling and analysis plan

sc	clayey sands; sand-clay mixtures
Sch.	schedule
SD	sediment
SDG	sample delivery group
SDZ	safe distance zone; surface danger zone
SEMS	Southern Environmental Management & Specialties, Inc.
SFSP	site-specific field sampling plan
SGF	standard grade fuels
SHP	installation-wide safety and health plan
SI	site investigation
SL	standing liquid
sm	silty sands; sand-silt mixtures
SM	Serratia marcescens
SOP	standard operating procedure
sp	poorly graded sands; gravelly sands
SP	sump pump
Sr-90	strontium-90
Ss	stony rough land, sandstone series
SS	surface soil
SSC	site-specific chemical
SSHO	site safety and health officer
SSHP	site-specific safety and health plan
SSSL	site-specific screening level
STB	supertropical bleach
STEL	short-term exposure limit
STOLS	Surface Towed Ordnance Locator System®
Std. units	standard units
SU	standard unit
SVOC	semivolatile organic compound
SW	surface water
SW-846	U.S. EPA *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*
SZ	support zone
TAL	target analyte list
TAT	turn around time
TB	trip blank
TCA	trichloroethane
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzofurans
TCE	trichloroethene
TCL	target compound list
TCLP	toxicity characteristic leaching procedure
TDGCL	thiodiglycol
TDGCLA	thiodiglycol chloroacetic acid
TERC	Total Environmental Restoration Contract
TIC	tentatively identified compound
TLV	threshold limit value
TN	Tennessee
TOC	top of casing; total organic carbon
TPH	total petroleum hydrocarbons
TRADOC	U.S. Army Training and Doctrine Command
TRPH	total recoverable petroleum hydrocarbons
TWA	time weighted average
UCL	upper confidence limit
UCR	upper certified range
'U'	not detected above reporting limit
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USAEC	U.S. Army Environmental Center
USAEHA	U.S. Army Environmental Hygiene Agency
USACMLS	U.S. Army Chemical School
USAMPS	U.S. Army Military Police School
USATEU	U.S. Army Technical Escort Unit
USATHAMA	U.S. Army Toxic and Hazardous Material Agency
USCS	Unified Soil Classification System
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
UST	underground storage tank
UXO	unexploded ordnance
VOA	volatile organic analyte
VOC	volatile organic compound
VOH	volatile organic hydrocarbon
VQlfr	validation qualifier
VQual	validation qualifier
VX	nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)
Weston	Roy F. Weston, Inc.
WP	installation-wide work plan
WS	watershed
WSA	Watershed Screening Assessment
WWI	World War I
WWII	World War II
XRF	x-ray fluorescence
yd^3	cubic yards

SAIC – Data Qualifiers, Codes and Footnotes, 1995 Remedial Investigation

N/A – Not analyzed

ND – Not detected

Boolean Codes

- LT – Less than the certified reporting limit

Flagging Codes

- 9 – Non-demonstrated/validated method performed for USAEC
- B – Analyte found in the method blank or QC blank
- C – Analysis was confirmed
- D – Duplicate analysis
- I – Interfaces in sample make quantitation and/or identification to be suspicious
- J – Value is estimated
- K – Reported results are affected by interfaces or high background
- N – Tentatively identified compound (match greater than 70%)
- Q – Sample interference obscured peak of interest
- R – Non-target compound analyzed for but not detected (GC/MS methods)
- S – Non-target compound analyzed for and detected (GC/MS methods)
- T – Non-target compound analyzed for but not detected (non GC/MS methods)
- U – Analysis in unconfirmed
- Z – Non-target compound analyzed for and detected (non-GC/MS methods)

Qualifiers

- J – The low-spike recovery is low
- N – The high-spike recovery is low
- R – Data is rejected

APPENDIX A

SAMPLE COLLECTION LOGS AND ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS

SAMPLE COLLECTION LOGS

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**

Location Code: **FTA-106-GP01**

Sample Number: **FV0001**

Sample Name: **FTA-106-GP01-SS-FV0001-REG**

Sampling Method: **HA**

Collection Date: 11-05-98

Collection Time: 0910

Start Depth: Ø

End Depth: 1

Sample Team: Allen, Short

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: Collected w/ SS hand Auger

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP02**
Sample Number: **FV0003**
Sample Name: **FTA-106-GP02-SS-FV0003-REG**
Sampling Method: **HA**

Collection Date: 11-05-98
Collection Time: 0835

Start Depth: 0
End Depth: 1

Sample Team: Allen, Short

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES 3	N	A	3	5	g	EnCore
METALS 3	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: Collected w/ SS hand auger

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP02**
Sample Number: **FV0004**
Sample Name: **FTA-106-GP02-SS-FV0004-FD**
Sampling Method: **HA**

Collection Date: 11-05-98
Collection Time: 0835

Start Depth: 0
End Depth: 1

Sample Team: Allen, Shorr

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP02**
Sample Number: **FV0005**
Sample Name: **FTA-106-GP02-SS-FV0005-FS**
Sampling Method: **HA**

Collection Date: 11-05-98
Collection Time: 0835

Start Depth: Ø
End Depth: 1

Sample Team: Allen, Shorr

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan

Manager: Jeanie Yacoub

RFA / COC Number: 106-030999-QSK

Site: **Former Smoke Area S (Parcel 106)**

Location Code: **FTA-106-DEP01**

Sample Number: **FV0007**

Sample Name: **FTA-106-DEP01-DEP-FV0007-REG**

Sampling Method: **HA**

Collection Date: 3-9-99

Collection Time: 0830

Start Depth: Ø

End Depth: 1

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: [illegible] 3-9-99 *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-030999-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-DEP02
Sample Number: FV0008
Sample Name: FTA-106-DEP02-DEP-FV0008-REG
Sampling Method: HA

Collection Date: 3-9-99
Collection Time: 0850

Start Depth: Ø
End Depth: 1

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: D.K.Ae 3-9-99 *Reviewed BY / Date:*

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: 106-030999-QSK

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-DEP03**
Sample Number: **FV0009**
Sample Name: **FTA-106-DEP03-DEP-FV0009-REG**
Sampling Method: **HA**

Collection Date: 3-9-99
Collection Time: 0925

Start Depth: Ø
End Depth: 1

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: [illegible] 3-9-99 *Reviewed BY / Date:*

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: 106-030999-QSK

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-DEP04**
Sample Number: **FV0010**
Sample Name: **FTA-106-DEP04-DEP-FV0010-REG**
Sampling Method: **HA**

Collection Date: 3-9-99
Collection Time: 0915

Start Depth: Ø
End Depth: 1

Sample Team: Allen

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: [illegible] 3-9-99 *Reviewed BY / Date:*

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP01**
Sample Number: **FV0002**
Sample Name: **FTA-106-GP01-DS-FV0002-REG**
Sampling Method: **DP**

Collection Date: 11-05-98
Collection Time: 0920

Start Depth: 1
End Depth: 3

Sample Team: Allen, Shoar

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: Refusal @ 3

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP01**
Sample Number: **FV0002-MS**
Sample Name: **FTA-106-GP01-DS-FV0002-MS**
Sampling Method: **DP**

Collection Date: 11-05-98
Collection Time: 0920

Start Depth: 1
End Depth: 3

Sample Team: Allen, Short

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES 3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP01**
Sample Number: **FV0002-MSD**
Sample Name: **FTA-106-GP01-DS-FV0002-MSD**
Sampling Method: **DP**

Collection Date: 11-05-98
Collection Time: 0920

Start Depth: 1
End Depth: 3

Sample Team: Allen, Short

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES 8	N	A	3	5	g	EnCore
METALS 8	N	B	1	8	oz	CWM
SEMIVOLATILES	N	B	1	8	oz	CWM

Comments: _____

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: **Jeanie Yacoub**

RFA / COC Number: _____

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-GP02**
Sample Number: **FV0006**
Sample Name: **FTA-106-GP02-DS-FV0006-REG**
Sampling Method: **DP**

Collection Date: 11-05-98
Collection Time: 0900

Start Depth: 7
End Depth: 8 1/2

Sample Team: Allen, Short

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES 3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES 3	N	B	1	8	oz	CWM

Comments: Refusal @ 8 1/2

Sketch Location:

Logged BY / Date: _____ *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 4/8/99 by JM

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD01
Sample Number: FV2001
Sample Name: FTA-106-SW/SD01-SW-FV2001-REG
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: 1150
Start Depth: NA
End Depth: NA

Sample Team: J. Brown, D. Docowsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
	274.7	4.98	19.00	0.2	8.38	13.81

Comments:

Sketch Location:

Logged BY / Date: [signature] 02/15/99

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSC

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD01
Sample Number: FV2002
Sample Name: FTA-106-SW/SD01-SW-FV2002-FD
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: 1150

Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Dorowsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
See FV2001-1 & 109.						

Comments:

Sketch Location:

Logged BY / Date: 2/15/99

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-SADL

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD01
Sample Number: FV2003
Sample Name: FTA-106-SW/SD01-SW-FV2003-FS
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: 1150

Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Dvorsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
See FV2001-FCG log.						

Comments:

Sketch Location:

Logged BY / Date: [signature] 02/15/99

Reviewed BY / Date: _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD02
Sample Number: FV2004
Sample Name: FTA-106-SW/SD02-SW-FV2004-REG
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: ~~1330~~ 1415
Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Decousky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)

Comments:

Sketch Location:

Logged BY / Date: [signature] 02/15/99 *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 4/8/99

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD03
Sample Number: FV2005
Sample Name: FTA-106-SW/SD03-SW-FV2005-REG
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: 1330
Start Depth: NA
End Depth: NA

Sample Team: J. Brown, D. Decousky

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
	325.4	4.53	20.00	1.2	7.24	11.96

Comments:

Sketch Location:

Logged BY / Date: 02/15/99 *Reviewed BY / Date:*

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSI

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/~~SD02~~ SD03
Sample Number: ~~FV2004-MS~~ FV2005-MS
Sample Name: FTA-106-SW/~~SD02~~ SD03-SW-~~FV2004-MS~~ FV2005-MS
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: 1330
Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Dorowsky

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
	See	FV2005-MS				

Comments:

Sketch Location:

Logged BY / Date: 02/15/99

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/~~SD02~~ SD03
Sample Number: ~~FV2004-MSD~~ FV2005-MSD
Sample Name: FTA-106-SW/~~SD02~~ SD03-SW-~~FV2004-MSD~~ FV2005-MSD
Sampling Method: GRAB

Collection Date: 02/15/99
Collection Time: 1330
Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Decowsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
	See FV2005-1266 log					

Comments:

Sketch Location:

Logged BY / Date: 02/16/00

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

ENTERED 4/12/99 DY SMW

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021199-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD04
Sample Number: FV2006
Sample Name: FTA-106-SW/SD04-SW-FV2006-REG
Sampling Method: GRAB

Collection Date: 02/11/99
Collection Time: 0915

Start Depth: NA
End Depth: NA

Sample Team: J. Brown
A. Gonzalez

Analytical Suite	Flt	Frtn	Containers Qty	Size	Units	Type
VOLATILES_3	N	A	3	40	mL	VOA Vial
SEMIVOLATILES_	N	B	1	1	L	Amb. Glass
METALS-W	N	C	1	1	L	HDPE

Surface Water Parameters:	Eh (mV)	pH (SU)	Conductivity (mS/cm)	Turbidity (NTU)	DissOxygen (ppm)	Temperature (C)
	341.0	4.31	20.00	20.5	7.09	14.53

Comments:

Sketch Location:

Logged BY / Date: 02/12/99 *Reviewed BY / Date:* 2/12/99

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: **774645 Fort McClellan**
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-OSK

Site: **Former Smoke Area S (Parcel 106)**
Location Code: **FTA-106-SW/SD01**
Sample Number: **FV1001**
Sample Name: **FTA-106-SW/SD01-SD-FV1001-REG**
Sampling Method: **HA**

Collection Date: 02/15/99
Collection Time: 1150

Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Derowsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
TOC	N	C	1	4	oz	CWM
GR. SIZE	N	D	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: [signature] 2/15/99

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD02
Sample Number: FV1002
Sample Name: FTA-106-SW/SD02-SD-FV1002-REG
Sampling Method: HA

Collection Date: 02/15/99
Collection Time: 1415 ~~1450~~ ~~1336~~
Start Depth: NA
End Depth: NA.

Sample Team: J. Brown
D. Derowsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
TOC	N	C	1	4	oz	CWM
GR. SIZE	N	D	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: [signature] 11-10-99

Reviewed BY / Date:

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021599-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD03
Sample Number: FV1003
Sample Name: FTA-106-SW/SD03-SD-FV1003-REG
Sampling Method: HA

Collection Date: 02/15/99
Collection Time: 1330

Start Depth: NA
End Depth: NA

Sample Team: J. Brown
D. Derowsky

Containers

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
TOC	N	C	1	4	oz	CWM
GR. SIZE	N	D	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: [signature] 02/15/99 *Reviewed BY / Date:* _____

INTERNATIONAL TECHNOLOGY CORPORATION

Sample Collection Log

Project: 774645 Fort McClellan
Manager: Jeanie Yacoub

RFA / COC Number: 106-021199-QSK

Site: Former Smoke Area S (Parcel 106)
Location Code: FTA-106-SW/SD04
Sample Number: FV1004
Sample Name: FTA-106-SW/SD04-SD-FV1004-REG
Sampling Method: HA

Collection Date: 02/11/99
Collection Time: 0915
Start Depth: NA
End Depth: NA

Sample Team: J. Brown, A. Gonzalez

Analytical Suite	Flt	Frtn	Qty	Size	Units	Type
VOLATILES_3	N	A	3	5	g	EnCore
METALS-S	N	B	1	8	oz	CWM
SEMIVOLATILES_	N	B	1	8	oz	CWM
TOC	N	C	1	4	oz	CWM
GR. SIZE	N	D	1	8	oz	CWM

Comments:

Sketch Location:

Logged BY / Date: 02/12/99 *Reviewed BY / Date:* 2/12/99

ANALYSIS REQUEST/CHAIN-OF-CUSTODY RECORDS

ote # 25476 H8K060106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-110598-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: NORMAL

Samples Shipment Date: 05-NOV-98

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒

Sample Disposal:
Return to Client ☐ Disposal by Lab ☒ Archive (mos.)

1. Relinquished By (Signature/Affiliation)	Date: 11-05-98 Time: 1730	1. Received By (Signature/Affiliation)	Date: 11 5 98 Time: 1730
2. Relinquished By (Signature/Affiliation)	Date: 11 6 98 Time: 0810	2. Received By (Signature/Affiliation)	Date: 11-6-98 Time: 08:10
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Rec'd at 2°C
Custody Seals Intact
JW 11-6-98

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
FV0001	FTA-106-GP01-SS-FV0001-REG	05-NOV-98	09:10	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0001	FTA-106-GP01-SS-FV0001-REG	05-NOV-98	09:10	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0002	FTA-106-GP01-DS-FV0002-REG	05-NOV-98	09:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0002	FTA-106-GP01-DS-FV0002-REG	05-NOV-98	09:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0002-MS	FTA-106-GP01-DS-FV0002-MS-MS	05-NOV-98	09:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0002-MS	FTA-106-GP01-DS-FV0002-MS-MS	05-NOV-98	09:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

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H8K060106

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-110598-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
FV0002-MSD	FTA-106-GP01-DS-FV0002-MSD-MSD	05-NOV-98	09:20	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0002-MSD	FTA-106-GP01-DS-FV0002-MSD-MSD	05-NOV-98	09:20	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0003	FTA-106-GP02-SS-FV0003-REG	05-NOV-98	08:35	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0003	FTA-106-GP02-SS-FV0003-REG	05-NOV-98	08:35	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0004	FTA-106-GP02-SS-FV0004-FD	05-NOV-98	08:35	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0004	FTA-106-GP02-SS-FV0004-FD	05-NOV-98	08:35	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0006	FTA-106-GP02-DS-FV0006-REG	05-NOV-98	09:00	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0006	FTA-106-GP02-DS-FV0006-REG	05-NOV-98	09:00	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

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INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-021199-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 12-FEB-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:
Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:
Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) IT Corp	Date: 2/12/99 Time: 0830	1. Received By (Signature/Affiliation)	Date: 2/12/99 Time: 0830
2. Relinquished By (Signature/Affiliation)	Date: 2/12/99 Time: 1330	2. Received By (Signature/Affiliation)	Date: 2-12-99 Time: 13:30
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation)	Date: Time:

Comments:

Rec'd at 2°C
Custody Seals Intact
JW 2-12-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
FV1004	FTA-106-SW/SD04-SD-FV1004-REG	11-FEB-99	09:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV1004	FTA-106-SW/SD04-SD-FV1004-REG	11-FEB-99	09:15	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
FV1004	FTA-106-SW/SD04-SD-FV1004-REG	11-FEB-99	09:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV1004	FTA-106-SW/SD04-SD-FV1004-REG	11-FEB-99	09:15	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
FV2006	FTA-106-SW/SD04-SW-FV2006-REG	11-FEB-99	09:15	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2006	FTA-106-SW/SD04-SW-FV2006-REG	11-FEB-99	09:15	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2006	FTA-106-SW/SD04-SW-FV2006-REG	11-FEB-99	09:15	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		

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1498160188

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-021599-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: NORMAL

Samples Shipment Date: 16-FEB-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Courier/ Quality Express

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions: NONE

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

Sample Disposal:

Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Relinquished By (Signature/Affiliation) [signature] Date: 02/16/99 Time: 0830

2. Relinquished By (Signature/Affiliation) [signature] Date: 2 16 99 Time: 1345

3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) [signature] Date: 2 16 99 Time: 0830

2. Received By (Signature/Affiliation) Justin Walter Date: 2-16-99 Time: 13:45

3. Received By (Signature/Affiliation) Date: Time:

Comments: NONE

Recd at 2°C
Custody Seals Intact
JW 2-16-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
FV1001	FTA-106-SW/SD01-SD-FV1001-REG	15-FEB-99	11:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV1001	FTA-106-SW/SD01-SD-FV1001-REG	15-FEB-99	11:50	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
FV1001	FTA-106-SW/SD01-SD-FV1001-REG	15-FEB-99	11:50	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
FV1001	FTA-106-SW/SD01-SD-FV1001-REG	15-FEB-99	11:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV1002	FTA-106-SW/SD02-SD-FV1002-REG	15-FEB-99	14:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV1002	FTA-106-SW/SD02-SD-FV1002-REG	15-FEB-99	14:15	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
FV1002	FTA-106-SW/SD02-SD-FV1002-REG	15-FEB-99	14:15	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
FV1002	FTA-106-SW/SD02-SD-FV1002-REG	15-FEB-99	14:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils,	N		

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H98160188

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-021599-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
							Semivolatiles by 8270C			
FV1003	FTA-106-SW/SD03-SD-FV1003-REG	15-FEB-99	13:30	8 oz CWM	1	None Required	Grain Size by ASTM D421/D422	N		
FV1003	FTA-106-SW/SD03-SD-FV1003-REG	15-FEB-99	13:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV1003	FTA-106-SW/SD03-SD-FV1003-REG	15-FEB-99	13:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV1003	FTA-106-SW/SD03-SD-FV1003-REG	15-FEB-99	13:30	4 oz CWM	1	None except cool to 4 C	Total Organic Carbon by 9060	N		
FV2001	FTA-106-SW/SD01-SW-FV2001-REG	15-FEB-99	11:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2001	FTA-106-SW/SD01-SW-FV2001-REG	15-FEB-99	11:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2001	FTA-106-SW/SD01-SW-FV2001-REG	15-FEB-99	11:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2
FV2002	FTA-106-SW/SD01-SW-FV2002-FD	15-FEB-99	11:50	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2002	FTA-106-SW/SD01-SW-FV2002-FD	15-FEB-99	11:50	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2
FV2002	FTA-106-SW/SD01-SW-FV2002-FD	15-FEB-99	11:50	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2004	FTA-106-SW/SD02-SW-FV2004-REG	15-FEB-99	14:15	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2004	FTA-106-SW/SD02-SW-FV2004-REG	15-FEB-99	14:15	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2
FV2004	FTA-106-SW/SD02-SW-FV2004-REG	15-FEB-99	14:15	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2005	FTA-106-SW/SD03-SW-FV2005-REG	15-FEB-99	13:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2
FV2005	FTA-106-SW/SD03-SW-FV2005-REG	15-FEB-99	13:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2005	FTA-106-SW/SD03-SW-FV2005-REG	15-FEB-99	13:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2005-MS	FTA-106-SW/SD03-SW-FV2005-MS-MS	15-FEB-99	13:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2005-MS	FTA-106-SW/SD03-SW-FV2005-MS-MS	15-FEB-99	13:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2005-MS	FTA-106-SW/SD03-SW-FV2005-MS-MS	15-FEB-99	13:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2
FV2005-MSD	FTA-106-SW/SD03-SW-FV2005-MSD-N	15-FEB-99	13:30	40 mL VOA Vial	3	HCl<pH 2	Volatiles by 8260B	N		
FV2005-MSD	FTA-106-SW/SD03-SW-FV2005-MSD-N	15-FEB-99	13:30	1 L Amb. Glass	1	None except cool to 4 C	Semivolatiles by 8270C	N		
FV2005-MSD	FTA-106-SW/SD03-SW-FV2005-MSD-N	15-FEB-99	13:30	1 L HDPE	1	HNO3<pH 2	TAL Metals by 6010B/7470A - Water	N		PH<2

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H9C100185

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-030999-QSK

Project Number: 774645

Project Name: Fort McClellan

Sample Coordinator: John W. Andrew

Turnaround Time: Normal

Samples Shipment Date: 10-MAR-99

Lab Destination: Quanterra Environmental Services - Knoxville

Lab Contact: John Reynolds

Project Contact: Randy McBride

Carrier/Waybill No.: Quality Express/ Courier

Bill To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Report To: Duane Nielsen
312 Directors Drive
Knoxville TN 37923

Special Instructions:

Possible Hazard Indentification:

Non-hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown [X]

1. Relinquished By (Signature/Affiliation) ITCorp — Date: 3/10/99 Time: 0830
2. Relinquished By (Signature/Affiliation) — Date: 3 10 99 Time: 1350
3. Relinquished By (Signature/Affiliation) — Date: Time:

Sample Disposal:

Return to Client [ ] Disposal by Lab [X] Archive (mos.)

1. Received By (Signature/Affiliation) — Date: 3 10/99 Time: 0830
2. Received By (Signature/Affiliation) — Date: 3-10-99 Time: 13:50
3. Received By (Signature/Affiliation) — Date: Time:

Comments:

Rec'd at 2°C
Custody Seals Intact
3-10-99

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
FV0007	FTA-106-DEP01-DEP-FV0007-REG	09-MAR-99	08:30	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0007	FTA-106-DEP01-DEP-FV0007-REG	09-MAR-99	08:30	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0008	FTA-106-DEP02-DEP-FV0008-REG	09-MAR-99	08:50	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0008	FTA-106-DEP02-DEP-FV0008-REG	09-MAR-99	08:50	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		
FV0009	FTA-106-DEP03-DEP-FV0009-REG	09-MAR-99	09:25	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0009	FTA-106-DEP03-DEP-FV0009-REG	09-MAR-99	09:25	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

0008

H9C100185

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 106-030999-QSK

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Fil	CID	Condition On Receipt
FV0010	FTA-106-DEP04-DEP-FV0010-REG	09-MAR-99	09:15	5 g EnCore	3	None except cool to 4 C	Volatiles by 8260B	N		
FV0010	FTA-106-DEP04-DEP-FV0010-REG	09-MAR-99	09:15	8 oz CWM	1	None except cool to 4 C	TAL Metals by 6010B/7471A - Soils, Semivolatiles by 8270C	N		

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APPENDIX B

BORING LOGS

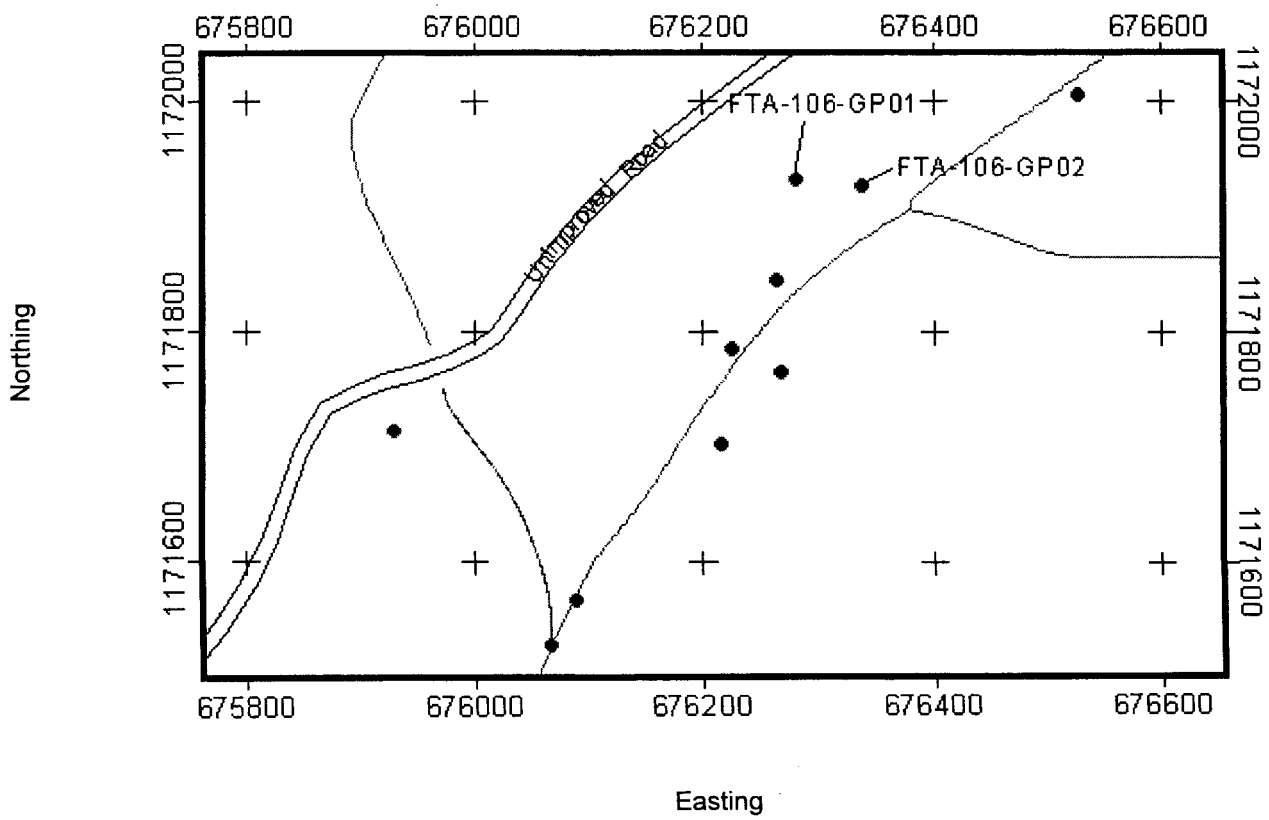
HTRW DRILLING LOG

HOLE NUMBER FTA-106-GP01

1. Company name: IT Corporation	2. Drill Subcontractor: TEG DRILLING	Sheet 1 of 2 sheets
3. Project: Fort McClellan	4. Location: FTA-106	
5. Name of driller: Sammy McDaniel	6. Mfr. designation of drill: Geoprobe	
7. Sizes and types of drilling and sampling equipment: Direct Push Stainless Steel Bowls and Spoons	8. Hole location Former Smoke Area S 9. Surface elevation (feet above mean sea level): 900.25 10. Date started: 11/05/98 / 11. Date completed: 11/05/98	
12. Overburden thickness (feet bgs): >3	15. Depth groundwater encountered (feet bgs): NA	
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA	
14. Total depth of hole (feet bgs): 3	17. Other water level measurements (specify): NA	

18. Geotechnical samples:	Disturbed:	Undisturbed:		19. Total no. of core boxes: NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOC			NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	X			CAROLYN SHORT		

LOCATION SKETCH/COMMENTS:



bgs= below ground surface
NA = Not applicable

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-106-GP01

Project: Fort McClellan | Geologist: CAROLYN SHORT | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
900	0	ml: SILT, soft, dry, yellow brown.	ml		Organic Vapor = 0.1ppm		FV0001		Rec 1'
	1	ml: SILT, some Sand, dry, firm, mottled yellowish brown, dark brown to pale yellowish brown.	ml				FV0002		Direct push refusal at 3'.
	2								
	3								

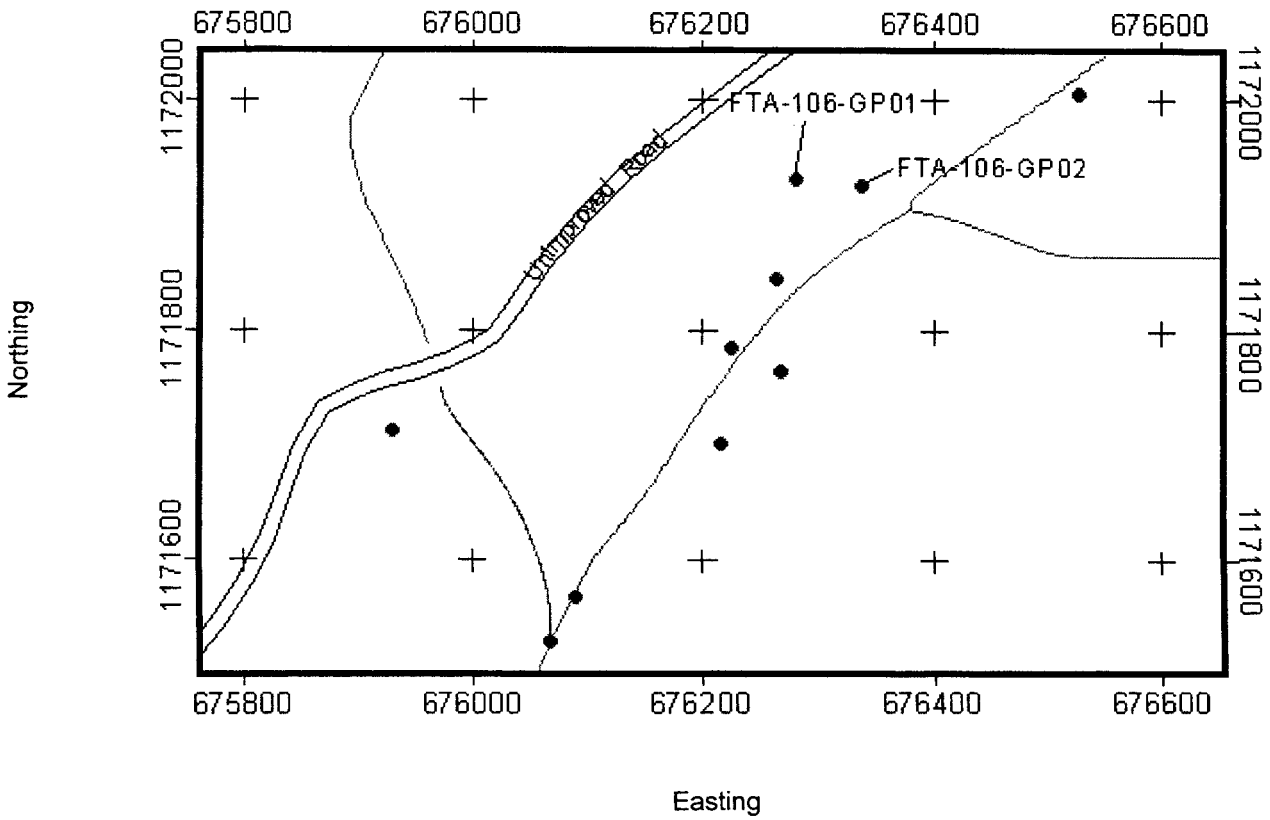
HTRW DRILLING LOG

HOLE NUMBER FTA-106-GP02

1. Company name: **IT Corporation**	2. Drill Subcontractor: TEG DRILLING	Sheet 1 of 2 sheets
3. Project: Fort McClellan	4. Location: FTA-106	
5. Name of driller: Sammy McDaniel	6. Mfr. designation of drill: Geoprobe	
7. Sizes and types of drilling and sampling equipment: Direct Push Stainless Steel Bowls and Spoons	8. Hole location Former Smoke Area, S 9. Surface elevation (feet above mean sea level): 895.16 10. Date started: 11/05/98	11. Date completed: 11/05/98
12. Overburden thickness (feet bgs): >8.5	15. Depth groundwater encountered (feet bgs): NA	
13. Depth drilled into rock (feet bgs): 0	16. Depth to water and elapsed time after drilling completed (feet bgs): NA	
14. Total depth of hole (feet bgs): 8.5	17. Other water level measurements (specify): NA	

18. Geotechnical samples:	Disturbed:	Undisturbed:		19. Total no. of core boxes: NA		
20. Samples for chemical analysis:	VOC	Metals	Other (specify)	Other (specify)	Other (specify)	21. Total core recovery:
	X	X	SVOC			NA
22. Disposition of hole:	Backfilled	Monitoring well	Other (specify)	Geologist:		
	X			CAROLYN SHORT		

LOCATION SKETCH/COMMENTS:



Project: Fort McClellan

bgs= below ground surface
NA = Not applicable

Hole no.: FTA-106-GP02

HTRW DRILLING LOG (Continuation Sheet)

HOLE NUMBER: FTA-106-GP02

Project: Fort McClellan | Geologist: CAROLYN SHORT | Sheet 2 of 2 sheets

Elev. (a)	Depth (b)	Description of Materials (c)	USCS / Lithology	Graphic	Field screening results (d)	Geotech sample or core box no. (e)	Analytical sample no. (f)	Blow count (g)	Remarks (h)
895	0	ml: SILT, soft, dry, yellowish brown, trace small Gravel, Sand.	ml		Organic Vapor = 0.3ppm		FV0003		Rec 1'
	1	ml: SILT, some Clay, damp, soft to firm, dark brown, yellowish brown, reddish yellow, large broken Sandstone at top and at 10", Sand is dark red, orange, pale yellow.	ml		Organic Vapor = .1ppm				Rec 2'
	2								
	3	cl: CLAY, some Silt, damp, soft to firm, trace of Sand, broken Sandstone, mottled dark brown, yellowish brown, reddish yellow.	cl		Organic Vapor = .1ppm				Rec 2'
	4								
890	5	cl: CLAY, some Silt, and Sand, wet, hard about 8" at bottom, dark brown, yellowish brown, reddish yellow.	cl		Organic Vapor = .1ppm				Rec 14"
	6								
	7	cl: CLAY, some Sand, wet, soft to firm.	cl		Organic Vapor = .1ppm		FV0006		Rec 21"
	8	sh: SHALE, dry, soft, brittle, mottled pale brown, bluish gray, reddish yellow, dark brown, brownish gray, black, dark red.	sh						Direct push refusal at 8.5'.

APPENDIX C

SURVEY DATA

Appendix C

Survey Data
Former Smoke Area S, Parcel 106(6)
Fort McClellan, Calhoun County, Alabama

Sample Location	Northing	Easting	Ground Elevation (ft above msl)	Top of Casing Elevation (ft above msl)
FTA-106-DEP01	1171712.22	675929.05	880.38	NA
FTA-106-DEP02	1171524.04	676065.40	869.49	NA
FTA-106-DEP03	1171782.94	676225.26	886.42	NA
FTA-106-DEP04	1171763.46	676266.92	886.81	NA
FTA-106-GP01	1171929.71	676280.18	900.25	NA
FTA-106-GP02	1171925.05	676337.62	895.16	NA
FTA-106-SW/SD01	1172005.14	676528.01	906.09	NA
FTA-106-SW/SD02	1171842.55	676264.00	888.85	NA
FTA-106-SW/SD03	1171702.21	676214.13	880.99	NA
FTA-106-SW/SD04	1171563.94	676089.29	871.79	NA

Horizontal coordinates referenced to the U.S. State Plane Coordinate System, Alabama East Zone, North American Datum of 1983 (NAD83).

Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

ft above msl - Feet above mean sea level
NA - Not available, temporary well not installed.

APPENDIX D

SUMMARY OF VALIDATED ANALYTICAL DATA

Summary of Validated Surface and Depositional Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-DEP01			FTA-106-DEP02			FTA-106-DEP03			FTA-106-DEP04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV0007			FV0008			FV0009			FV0010		
	Sample Date:	09-MAR-99			09-MAR-99			09-MAR-99			09-MAR-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method / *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010_S													
Aluminum	mg/kg	5350			2140			3490			4890		
Antimony	mg/kg	8.2	U	UJ	7.5	U	UJ	9.1	U	UJ	10.9	U	UJ
Arsenic	mg/kg	3.2			1.7			2.6			2.4		
Barium	mg/kg	129			61.8			65.8			101		
Beryllium	mg/kg	1.3			0.48	B	J	0.38	B	J	1.2		
Cadmium	mg/kg	0.69	U	U	0.40	B	J	0.61	B	J	0.91	U	U
Calcium	mg/kg	784			324	B	J	2940			263	B	J
Chromium	mg/kg	5.7			3.9			7.7			4.6		
Cobalt	mg/kg	14.0			3.3	B	J	2.8	B	J	6.7	B	J
Copper	mg/kg	5.6			4.4			6.0			13.3		
Iron	mg/kg	9570			5490			11100			5390		
Lead	mg/kg	23.4			18.4			26.6			23.3		
Magnesium	mg/kg	302	B	J	126	B	J	278	B	J	188	B	J
Manganese	mg/kg	1620		J	522		J	512		J	1080		J
Nickel	mg/kg	8.8			3.6	B	J	4.0	B	J	4.1	B	J
Potassium	mg/kg	511	B	J	172	B	J	272	B	J	219	B	J
Selenium	mg/kg	1.0			0.62	U	U	0.92			0.90	B	J
Silver	mg/kg	1.4	U	UJ	1.2	U	UJ	1.5	U	UJ	1.8	U	UJ
Sodium	mg/kg	105	B	B	68.2	B	B	130	B	B	86.5	B	B
Thallium	mg/kg	1.4	U	U	1.2	U	U	1.5	U	U	1.8	U	U
Vanadium	mg/kg	10.6			6.4			12.1			8.2	B	J
Zinc	mg/kg	58.0		J	118		J	335		J	15.1		J
SW7471_S													
Mercury	mg/kg	0.074		B	0.044		B	0.047	B	B	0.10		
SEMIVOLATILES													
SW8270_S													
1,2,4-Trichlorobenzene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
1,2-Dichlorobenzene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
1,3-Dichlorobenzene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
1,4-Dichlorobenzene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U

Summary of Validated Surface and Depositional Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-GP01			FTA-106-GP02			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106			FTA-106		
	Sample No:	FV0001			FV0003			FV0004		
	Sample Date:	05-NOV-98			05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method / *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS										
SW6010_S										
Aluminum	mg/kg	5450			8100			8540		
Antimony	mg/kg	6.4	U	UJ	6.6	U	UJ	6.7	U	UJ
Arsenic	mg/kg	1.9			2.7			2.2		
Barium	mg/kg	32.0			46.3			47.0		
Beryllium	mg/kg	0.53	U	U	0.93			0.87		
Cadmium	mg/kg	0.53	U	U	0.55	U	U	0.56	U	U
Calcium	mg/kg	533	U	U	554	U	U	557	U	U
Chromium	mg/kg	12.3			13.9			10.7		
Cobalt	mg/kg	5.3	U	U	5.5	U	U	5.6	U	U
Copper	mg/kg	5.5			20.4		J	11.5		J
Iron	mg/kg	8050			12700			10600		
Lead	mg/kg	50.1			19.0			17.9		
Magnesium	mg/kg	533	U	U	554	U	U	557	U	U
Manganese	mg/kg	78.5			85.1			91.9		
Nickel	mg/kg	4.3	U	U	4.5			4.5	U	U
Potassium	mg/kg	533	U	U	554	U	U	557	U	U
Selenium	mg/kg	0.88			1.0			0.76		
Silver	mg/kg	1.1	U	U	1.1	U	U	1.1	U	U
Sodium	mg/kg	533	U	U	554	U	U	557	U	U
Thallium	mg/kg	1.1	U	U	1.1	U	U	1.1	U	U
Vanadium	mg/kg	7.4			8.2			9.3		
Zinc	mg/kg	44.8		J	18.2		J	18.9		J
SW7471_S										
Mercury	mg/kg	0.035	U	U	0.057			0.057		
SEMIVOLATILES										
SW8270_S										
1,2,4-Trichlorobenzene	mg/kg	.35	U	U	.37	U	U	.37	U	U
1,2-Dichlorobenzene	mg/kg	.35	U	U	.37	U	U	.37	U	U
1,3-Dichlorobenzene	mg/kg	.35	U	U	.37	U	U	.37	U	U
1,4-Dichlorobenzene	mg/kg	.35	U	U	.37	U	U	.37	U	U

	Location Code:	FTA-106-DEP01			FTA-106-DEP02			FTA-106-DEP03			FTA-106-DEP04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV0007			FV0008			FV0009			FV0010		
	Sample Date:	09-MAR-99			09-MAR-99			09-MAR-99			09-MAR-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
2,4,5-Trichlorophenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2,4,6-Trichlorophenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2,4-Dichlorophenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2,4-Dimethylphenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2,4-Dinitrophenol	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
2,4-Dinitrotoluene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2,6-Dinitrotoluene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2-Chloronaphthalene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2-Chlorophenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2-Methylnaphthalene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2-Methylphenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
2-Nitroaniline	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
2-Nitrophenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
3,3'-Dichlorobenzidine	mg/kg	2.2	U	U	2	U	UJ	12	U	U	2.9	U	U
3-Nitroaniline	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
4,6-Dinitro-2-methylphenol	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
4-Bromophenyl phenyl ether	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
4-Chloro-3-methylphenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
4-Chloroaniline	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
4-Chlorophenyl phenyl ether	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
4-Methylphenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
4-Nitroaniline	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
4-Nitrophenol	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
Acenaphthene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Acenaphthylene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Anthracene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Benzo(a)anthracene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Benzo(a)pyrene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Benzo(b)fluoranthene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Benzo(ghi)perylene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Benzo(k)fluoranthene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U

Summary of Validated Surface and Depositional Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

	Location Code:	FTA-106-GP01			FTA-106-GP02			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106			FTA-106		
	Sample No:	FV0001			FV0003			FV0004		
	Sample Date:	05-NOV-98			05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method										
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES										
SW8270_S										
2,4,5-Trichlorophenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
2,4,6-Trichlorophenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
2,4-Dichlorophenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
2,4-Dimethylphenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
2,4-Dinitrophenol	mg/kg	1.7	U	U	1.8	U	U	1.8	U	U
2,4-Dinitrotoluene	mg/kg	.35	U	U	.37	U	U	.37	U	U
2,6-Dinitrotoluene	mg/kg	.35	U	U	.37	U	U	.37	U	U
2-Chloronaphthalene	mg/kg	.35	U	U	.37	U	U	.37	U	U
2-Chlorophenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
2-Methylnaphthalene	mg/kg	.35	U	U	.37	U	U	.37	U	U
2-Methylphenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
2-Nitroaniline	mg/kg	1.7	U	UJ	1.8	U	UJ	1.8	U	UJ
2-Nitrophenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
3,3'-Dichlorobenzidine	mg/kg	1.7	U	UJ	1.8	U	UJ	1.8	U	UJ
3-Nitroaniline	mg/kg	1.7	U	U	1.8	U	U	1.8	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.7	U	U	1.8	U	U	1.8	U	U
4-Bromophenyl phenyl ether	mg/kg	.35	U	U	.37	U	U	.37	U	U
4-Chloro-3-methylphenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
4-Chloroaniline	mg/kg	.35	U	U	.37	U	U	.37	U	U
4-Chlorophenyl phenyl ether	mg/kg	.35	U	U	.37	U	U	.37	U	U
4-Methylphenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
4-Nitroaniline	mg/kg	1.7	U	U	1.8	U	U	1.8	U	U
4-Nitrophenol	mg/kg	1.7	U	UJ	1.8	U	UJ	1.8	U	UJ
Acenaphthene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Acenaphthylene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Anthracene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Benzo(a)anthracene	mg/kg	.07	J	J	.37	U	U	.37	U	U
Benzo(a)pyrene	mg/kg	.059	J	J	.37	U	U	.37	U	U
Benzo(b)fluoranthene	mg/kg	.06	J	J	.37	U	U	.37	U	U
Benzo(ghi)perylene	mg/kg	.04	J	J	.37	U	U	.37	U	U
Benzo(k)fluoranthene	mg/kg	.075	J	J	.37	U	U	.37	U	U

	Location Code:	FTA-106-DEP01			FTA-106-DEP02			FTA-106-DEP03			FTA-106-DEP04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV0007			FV0008			FV0009			FV0010		
	Sample Date:	09-MAR-99			09-MAR-99			09-MAR-99			09-MAR-99		
User Test Group	Sample Depth:	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method / Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES													
SW8270_S													
Butyl benzyl phthalate	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Carbazole	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Chrysene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Di-n-butyl phthalate	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Di-n-octyl phthalate	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Dibenz(a,h)anthracene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Dibenzofuran	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Diethyl phthalate	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Dimethyl phthalate	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Fluoranthene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Fluorene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Hexachlorobenzene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Hexachlorobutadiene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Hexachlorocyclopentadiene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Hexachloroethane	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.45	U	U	.41	U	UJ	2.5	U	U	.6	U	U
Isophorone	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Naphthalene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Nitrobenzene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Pentachlorophenol	mg/kg	2.2	U	U	2	U	U	12	U	U	2.9	U	U
Phenanthrene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Phenol	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
Pyrene	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
bis(2-Chloroethoxy)methane	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
bis(2-Chloroethyl)ether	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.13	J	J	.41	U	UJ	2.5	U	U	.6	U	U
n-Nitroso-di-n-propylamine	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U
n-Nitrosodiphenylamine	mg/kg	.45	U	U	.41	U	U	2.5	U	U	.6	U	U

Summary of Validated Surface and Depositional Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-GP01			FTA-106-GP02			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106			FTA-106		
	Sample No:	FV0001			FV0003			FV0004		
	Sample Date:	05-NOV-98			05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES										
SW8270_S										
Butyl benzyl phthalate	mg/kg	.35	U	U	.37	U	U	.37	U	U
Carbazole	mg/kg	.35	U	U	.37	U	U	.37	U	U
Chrysene	mg/kg	.079	J	J	.37	U	U	.37	U	U
Di-n-butyl phthalate	mg/kg	.35	U	U	.37	U	U	.37	U	U
Di-n-octyl phthalate	mg/kg	.35	U	U	.37	U	U	.37	U	U
Dibenz(a,h)anthracene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Dibenzofuran	mg/kg	.35	U	U	.37	U	U	.37	U	U
Diethyl phthalate	mg/kg	.35	U	U	.37	U	U	.37	U	U
Dimethyl phthalate	mg/kg	.35	U	U	.37	U	U	.37	U	U
Fluoranthene	mg/kg	.1	J	J	.37	U	U	.37	U	U
Fluorene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Hexachlorobenzene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Hexachlorobutadiene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Hexachlorocyclopentadiene	mg/kg	1.7	U	U	1.8	U	U	1.8	U	U
Hexachloroethane	mg/kg	.35	U	U	.37	U	U	.37	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.037	J	J	.37	U	U	.37	U	U
Isophorone	mg/kg	.35	U	U	.37	U	U	.37	U	U
Naphthalene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Nitrobenzene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Pentachlorophenol	mg/kg	.14	J	J	1.8	U	U	1.8	U	U
Phenanthrene	mg/kg	.35	U	U	.37	U	U	.37	U	U
Phenol	mg/kg	.35	U	U	.37	U	U	.37	U	U
Pyrene	mg/kg	.078	J	J	.37	U	U	.37	U	U
bis(2-Chloroethoxy)methane	mg/kg	.35	U	U	.37	U	U	.37	U	U
bis(2-Chloroethyl)ether	mg/kg	.35	U	U	.37	U	U	.37	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.35	U	U	.37	U	U	.37	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.35	U	UJ	.37	U	UJ	.37	U	UJ
n-Nitroso-di-n-propylamine	mg/kg	.35	U	U	.37	U	U	.37	U	U
n-Nitrosodiphenylamine	mg/kg	.35	U	U	.37	U	U	.37	U	U

	Location Code:	FTA-106-DEP01			FTA-106-DEP02			FTA-106-DEP03			FTA-106-DEP04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV0007			FV0008			FV0009			FV0010		
	Sample Date:	09-MAR-99			09-MAR-99			09-MAR-99			09-MAR-99		
User Test Group / Lab Method	Sample Depth:	0 - 1			0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260_S													
1,1,1,2-Tetrachloroethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
1,1,1-Trichloroethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
1,1,2-Trichloroethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
1,1-Dichloroethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
1,1-Dichloroethene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
1,1-Dichloropropene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
1,2,3-Trichlorobenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,2,3-Trichloropropane	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,2-Dibromo-3-Chloropropane	mg/kg	.014	U	UJ	.012	U	UJ	.015	U	UJ	.018	U	UJ
1,2-Dibromoethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
1,2-Dichlorobenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,2-Dichloroethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
1,2-Dichloropropane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
1,2-Dimethylbenzene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
1,3,5-Trimethylbenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,3-Dichlorobenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
1,3-Dichloropropane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
1,4-Dichlorobenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
2-Butanone	mg/kg	.0041	J	J	.0054	J	J	.03	U	R	.025	J	J
2-Hexanone	mg/kg	.027	U	U	.025	U	U	.03	U	U	.036	U	UJ
4-Methyl-2-pentanone	mg/kg	.027	U	U	.025	U	U	.03	U	U	.036	U	UJ
Acetone	mg/kg	.11	B	J	.13		J	.068		J	.73		J
Benzene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Bromobenzene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Bromochloromethane	mg/kg	.0069	U	R	.0062	U	U	.0076	U	U	.0091	U	U
Bromodichloromethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Bromoform	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Bromomethane	mg/kg	.014	U	U	.012	U	U	.015	U	U	.018	U	U

	Location Code:	FTA-106-GP01			FTA-106-GP02			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106			FTA-106		
	Sample No:	FV0001			FV0003			FV0004		
	Sample Date:	05-NOV-98			05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1		
Lab Method										
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES										
SW8260_S										
1,1,1,2-Tetrachloroethane	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
1,1,1-Trichloroethane	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0053	U	UJ	.004	J	J	.0056	U	UJ
1,1,2-Trichloroethane	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
1,1-Dichloroethane	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
1,1-Dichloroethene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
1,1-Dichloropropene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
1,2,3-Trichlorobenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,2,3-Trichloropropane	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,2-Dibromo-3-Chloropropane	mg/kg	.011	U	UJ	.011	U	UJ	.011	U	UJ
1,2-Dibromoethane	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
1,2-Dichlorobenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,2-Dichloroethane	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
1,2-Dichloropropane	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
1,2-Dimethylbenzene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
1,3,5-Trimethylbenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,3-Dichlorobenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
1,3-Dichloropropane	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
1,4-Dichlorobenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
2-Butanone	mg/kg	.0064	J	B	.0062	J	B	.0046	J	B
2-Hexanone	mg/kg	.021	U	U	.022	U	UJ	.022	U	U
4-Methyl-2-pentanone	mg/kg	.021	U	U	.0037	J	J	.022	U	U
Acetone	mg/kg	.093		J	.095		J	.078		J
Benzene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Bromobenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
Bromochloromethane	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Bromodichloromethane	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Bromoform	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Bromomethane	mg/kg	.011	U	R	.011	U	R	.011	U	R

	Location Code:	FTA-106-DEP01			FTA-106-DEP02			FTA-106-DEP03			FTA-106-DEP04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV0007			FV0008			FV0009			FV0010		
	Sample Date:	09-MAR-99			09-MAR-99			09-MAR-99			09-MAR-99		
User Test Group / Lab Method	Sample Depth:	0 - 1			0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260_S													
Carbon disulfide	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Carbon tetrachloride	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Chlorobenzene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Chloroethane	mg/kg	.014	U	U	.012	U	U	.015	U	U	.018	U	U
Chloroform	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Chloromethane	mg/kg	.014	U	U	.012	U	U	.015	U	U	.018	U	U
Cumene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Dibromochloromethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Dibromomethane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Dichlorodifluoromethane	mg/kg	.014	U	U	.012	U	UJ	.015	U	UJ	.018	U	UJ
Ethylbenzene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Hexachlorobutadiene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
Methylene chloride	mg/kg	.0033	J B	B	.0037	J B	B	.0046	J B	B	.0092	B	B
Naphthalene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
Styrene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Tetrachloroethene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Toluene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
Trichloroethene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
Trichlorofluoromethane	mg/kg	.014	U	U	.012	U	U	.015	U	U	.018	U	U
Vinyl chloride	mg/kg	.014	U	U	.012	U	U	.015	U	U	.018	U	U
cis-1,2-Dichloroethene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
cis-1,3-Dichloropropene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
m,p-Xylenes	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ
n-Butylbenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
n-Propylbenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
o-Chlorotoluene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
p-Chlorotoluene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
p-Cymene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.035		J
sec-Butylbenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ
sec-Dichloropropane	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
tert-Butylbenzene	mg/kg	.0069	U	UJ	.0062	U	UJ	.0076	U	UJ	.0091	U	UJ

	Location Code:	FTA-106-GP01			FTA-106-GP02			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106			FTA-106		
	Sample No:	FV0001			FV0003			FV0004		
	Sample Date:	05-NOV-98			05-NOV-98			05-NOV-98		
User Test Group / Lab Method	Sample Depth:	0 - 1			0 - 1			0 - 1		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES										
SW8260_S										
Carbon disulfide	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Carbon tetrachloride	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Chlorobenzene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Chloroethane	mg/kg	.011	U	U	.011	U	U	.011	U	U
Chloroform	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Chloromethane	mg/kg	.011	U	U	.011	U	U	.011	U	U
Cumene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Dibromochloromethane	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Dibromomethane	mg/kg	.0053	U	R	.0055	U	R	.0056	U	R
Dichlorodifluoromethane	mg/kg	.011	U	U	.011	U	U	.011	U	U
Ethylbenzene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Hexachlorobutadiene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
Methylene chloride	mg/kg	.005	J B	B	.005	J B	B	.0049	J B	B
Naphthalene	mg/kg	.0025	J	J	.0055	U	UJ	.0056	U	UJ
Styrene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Tetrachloroethene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Toluene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
Trichloroethene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
Trichlorofluoromethane	mg/kg	.011	U	U	.011	U	U	.011	U	U
Vinyl chloride	mg/kg	.011	U	U	.011	U	U	.011	U	U
cis-1,2-Dichloroethene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
cis-1,3-Dichloropropene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U
m,p-Xylenes	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
n-Butylbenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
n-Propylbenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
o-Chlorotoluene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
p-Chlorotoluene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
p-Cymene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
sec-Butylbenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ
sec-Dichloropropane	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U
tert-Butylbenzene	mg/kg	.0053	U	UJ	.0055	U	UJ	.0056	U	UJ

Summary of Validated Surf... and Depositional Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-DEP01			FTA-106-DEP02			FTA-106-DEP03			FTA-106-DEP04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV0007			FV0008			FV0009			FV0010		
	Sample Date:	09-MAR-99			09-MAR-99			09-MAR-99			09-MAR-99		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260_S													
trans-1,2-Dichloroethene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	U
trans-1,3-Dichloropropene	mg/kg	.0069	U	U	.0062	U	U	.0076	U	U	.0091	U	UJ

	Location Code:	FTA-106-GP01			FTA-106-GP02			FTA-106-GP02			
	Associated Site:	FTA-106			FTA-106			FTA-106			
	Sample No:	FV0001			FV0003			FV0004			
	Sample Date:	05-NOV-98			05-NOV-98			05-NOV-98			
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			
Lab Method											
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	
VOLATILES											
SW8260_S											
trans-1,2-Dichloroethene	mg/kg	.0053	U	U	.0055	U	U	.0056	U	U	
trans-1,3-Dichloropropene	mg/kg	.0053	U	U	.0055	U	UJ	.0056	U	U	

Summary of Validated Subsurface Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-GP01			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106		
	Sample No:	FV0002			FV0006		
	Sample Date:	05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	1 - 3			7 - 8.5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS							
SW6010_S							
Aluminum	mg/kg	5160			6340		
Antimony	mg/kg	6.3	U	UJ	6.9	U	UJ
Arsenic	mg/kg	1.8			2.9		
Barium	mg/kg	24.8			70.4		
Beryllium	mg/kg	0.52	U	U	1.9		
Cadmium	mg/kg	0.52	U	U	0.58	U	U
Calcium	mg/kg	524	U	U	577	U	U
Chromium	mg/kg	9.3			12.9		
Cobalt	mg/kg	5.2	U	U	19.4		
Copper	mg/kg	5.9			52.5		
Iron	mg/kg	9810			17400		
Lead	mg/kg	5.4			9.0		
Magnesium	mg/kg	524	U	U	2920		
Manganese	mg/kg	27.6			316		
Nickel	mg/kg	4.2	U	U	24.5		
Potassium	mg/kg	524	U	U	3720		
Selenium	mg/kg	0.59			0.58	U	U
Silver	mg/kg	1.0	U	U	1.2	U	U
Sodium	mg/kg	524	U	U	577	U	U
Thallium	mg/kg	1.0	U	U	1.2	U	U
Vanadium	mg/kg	7.8			5.8	U	U
Zinc	mg/kg	12.8		J	59.6		J
SW7471_S							
Mercury	mg/kg	0.035	U	U	0.038	U	U
SEMIVOLATILES							
SW8270_S							
1,2,4-Trichlorobenzene	mg/kg	.35	U	U	.38	U	U
1,2-Dichlorobenzene	mg/kg	.35	U	U	.38	U	U
1,3-Dichlorobenzene	mg/kg	.35	U	U	.38	U	U
1,4-Dichlorobenzene	mg/kg	.35	U	U	.38	U	U

Summary of Validated Subsurface Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-GP01			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106		
	Sample No:	FV0002			FV0006		
	Sample Date:	05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	1 - 3			7 - 8.5		
Lab Method							
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES							
SW8270_S							
2,4,5-Trichlorophenol	mg/kg	.35	U	U	.38	U	U
2,4,6-Trichlorophenol	mg/kg	.35	U	U	.38	U	U
2,4-Dichlorophenol	mg/kg	.35	U	U	.38	U	U
2,4-Dimethylphenol	mg/kg	.35	U	U	.38	U	U
2,4-Dinitrophenol	mg/kg	1.7	U	U	1.8	U	U
2,4-Dinitrotoluene	mg/kg	.35	U	U	.38	U	U
2,6-Dinitrotoluene	mg/kg	.35	U	U	.38	U	U
2-Chloronaphthalene	mg/kg	.35	U	U	.38	U	U
2-Chlorophenol	mg/kg	.35	U	U	.38	U	U
2-Methylnaphthalene	mg/kg	.35	U	U	.38	U	U
2-Methylphenol	mg/kg	.35	U	U	.38	U	U
2-Nitroaniline	mg/kg	1.7	U	UJ	1.8	U	UJ
2-Nitrophenol	mg/kg	.35	U	U	.38	U	U
3,3'-Dichlorobenzidine	mg/kg	1.7	U	UJ	1.8	U	UJ
3-Nitroaniline	mg/kg	1.7	U	U	1.8	U	U
4,6-Dinitro-2-methylphenol	mg/kg	1.7	U	U	1.8	U	U
4-Bromophenyl phenyl ether	mg/kg	.35	U	U	.38	U	U
4-Chloro-3-methylphenol	mg/kg	.35	U	U	.38	U	U
4-Chloroaniline	mg/kg	.35	U	U	.38	U	U
4-Chlorophenyl phenyl ether	mg/kg	.35	U	U	.38	U	U
4-Methylphenol	mg/kg	.35	U	U	.38	U	U
4-Nitroaniline	mg/kg	1.7	U	U	1.8	U	U
4-Nitrophenol	mg/kg	1.7	U	UJ	1.8	U	UJ
Acenaphthene	mg/kg	.35	U	U	.38	U	U
Acenaphthylene	mg/kg	.35	U	U	.38	U	U
Anthracene	mg/kg	.35	U	U	.38	U	U
Benzo(a)anthracene	mg/kg	.35	U	U	.38	U	U
Benzo(a)pyrene	mg/kg	.35	U	U	.38	U	U
Benzo(b)fluoranthene	mg/kg	.35	U	U	.38	U	U
Benzo(ghi)perylene	mg/kg	.35	U	U	.38	U	U
Benzo(k)fluoranthene	mg/kg	.35	U	U	.38	U	U

	Location Code:	FTA-106-GP01			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106		
	Sample No:	FV0002			FV0006		
	Sample Date:	05-NOV-98			05-NOV-98		
User Test Group / Lab Method	Sample Depth:	1 - 3			7 - 8.5		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES							
SW8270_S							
Butyl benzyl phthalate	mg/kg	.35	U	U	.38	U	U
Carbazole	mg/kg	.35	U	U	.38	U	U
Chrysene	mg/kg	.35	U	U	.38	U	U
Di-n-butyl phthalate	mg/kg	.35	U	U	.38	U	U
Di-n-octyl phthalate	mg/kg	.35	U	U	.38	U	U
Dibenz(a,h)anthracene	mg/kg	.35	U	U	.38	U	U
Dibenzofuran	mg/kg	.35	U	U	.38	U	U
Diethyl phthalate	mg/kg	.35	U	U	.38	U	U
Dimethyl phthalate	mg/kg	.35	U	U	.38	U	U
Fluoranthene	mg/kg	.35	U	U	.38	U	U
Fluorene	mg/kg	.35	U	U	.38	U	U
Hexachlorobenzene	mg/kg	.35	U	U	.38	U	U
Hexachlorobutadiene	mg/kg	.35	U	U	.38	U	U
Hexachlorocyclopentadiene	mg/kg	1.7	U	U	1.8	U	U
Hexachloroethane	mg/kg	.35	U	U	.38	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.35	U	U	.38	U	U
Isophorone	mg/kg	.35	U	U	.38	U	U
Naphthalene	mg/kg	.35	U	U	.38	U	U
Nitrobenzene	mg/kg	.35	U	U	.38	U	U
Pentachlorophenol	mg/kg	1.7	U	U	1.8	U	U
Phenanthrene	mg/kg	.35	U	U	.38	U	U
Phenol	mg/kg	.35	U	U	.38	U	U
Pyrene	mg/kg	.35	U	U	.38	U	U
bis(2-Chloroethoxy)methane	mg/kg	.35	U	U	.38	U	U
bis(2-Chloroethyl)ether	mg/kg	.35	U	U	.38	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.35	U	U	.38	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.35	U	UJ	.38	U	UJ
n-Nitroso-di-n-propylamine	mg/kg	.35	U	U	.38	U	U
n-Nitrosodiphenylamine	mg/kg	.35	U	U	.38	U	U

Summary of Validated Subsurface Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-GP01			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106		
	Sample No:	FV0002			FV0006		
	Sample Date:	05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	1 - 3			7 - 8.5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES							
SW8260_S							
1,1,1,2-Tetrachloroethane	mg/kg	.0052	U	U	.0058	U	U
1,1,1-Trichloroethane	mg/kg	.0052	U	U	.0058	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0052	U	U	.0058	U	U
1,1,2-Trichloroethane	mg/kg	.0052	U	U	.0058	U	U
1,1-Dichloroethane	mg/kg	.0052	U	U	.0058	U	U
1,1-Dichloroethene	mg/kg	.0052	U	U	.0058	U	U
1,1-Dichloropropene	mg/kg	.0052	U	U	.0058	U	U
1,2,3-Trichlorobenzene	mg/kg	.0052	U	UJ	.0058	U	UJ
1,2,3-Trichloropropane	mg/kg	.0052	U	U	.0058	U	U
1,2,4-Trichlorobenzene	mg/kg	.0052	U	UJ	.0058	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0052	U	U	.0058	U	U
1,2-Dibromo-3-Chloropropane	mg/kg	.01	U	U	.012	U	U
1,2-Dibromoethane	mg/kg	.0052	U	U	.0058	U	U
1,2-Dichlorobenzene	mg/kg	.0052	U	U	.0058	U	U
1,2-Dichloroethane	mg/kg	.0052	U	U	.0058	U	U
1,2-Dichloropropane	mg/kg	.0052	U	U	.0058	U	U
1,2-Dimethylbenzene	mg/kg	.0052	U	U	.0058	U	U
1,3,5-Trimethylbenzene	mg/kg	.0052	U	U	.0058	U	U
1,3-Dichlorobenzene	mg/kg	.0052	U	U	.0058	U	U
1,3-Dichloropropane	mg/kg	.0052	U	U	.0058	U	U
1,4-Dichlorobenzene	mg/kg	.0052	U	U	.0058	U	U
2-Butanone	mg/kg	.021	U	R	.023	U	R
2-Hexanone	mg/kg	.021	U	U	.023	U	U
4-Methyl-2-pentanone	mg/kg	.021	U	U	.023	U	U
Acetone	mg/kg	.15		J	.014	J	J
Benzene	mg/kg	.0052	U	U	.0058	U	U
Bromobenzene	mg/kg	.0052	U	U	.0058	U	U
Bromochloromethane	mg/kg	.0052	U	U	.0058	U	U
Bromodichloromethane	mg/kg	.0052	U	U	.0058	U	U
Bromoform	mg/kg	.0052	U	U	.0058	U	U
Bromomethane	mg/kg	.0024	J	J	.012	U	R

	Location Code:	FTA-106-GP01			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106		
	Sample No:	FV0002			FV0006		
	Sample Date:	05-NOV-98			05-NOV-98		
User Test Group / Lab Method	Sample Depth:	1 - 3			7 - 8.5		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual
VOLATILES							
SW8260_S							
Carbon disulfide	mg/kg	.0052	U	U	.0058	U	U
Carbon tetrachloride	mg/kg	.0052	U	U	.0058	U	U
Chlorobenzene	mg/kg	.0052	U	U	.0058	U	U
Chloroethane	mg/kg	.01	U	U	.012	U	U
Chloroform	mg/kg	.0052	U	U	.0058	U	U
Chloromethane	mg/kg	.01	U	U	.012	U	U
Cumene	mg/kg	.0052	U	U	.0058	U	U
Dibromochloromethane	mg/kg	.0052	U	U	.0058	U	U
Dibromomethane	mg/kg	.0052	U	R	.0058	U	R
Dichlorodifluoromethane	mg/kg	.01	U	U	.012	U	U
Ethylbenzene	mg/kg	.0052	U	U	.0058	U	U
Hexachlorobutadiene	mg/kg	.0052	U	U	.0058	U	U
Methylene chloride	mg/kg	.0055	B	B	.0042	J B	B
Naphthalene	mg/kg	.0052	U	UJ	.0058	U	UJ
Styrene	mg/kg	.0052	U	U	.0058	U	U
Tetrachloroethene	mg/kg	.0052	U	U	.0058	U	U
Toluene	mg/kg	.0052	U	U	.0058	U	U
Trichloroethene	mg/kg	.0052	U	U	.0058	U	U
Trichlorofluoromethane	mg/kg	.01	U	U	.012	U	U
Vinyl chloride	mg/kg	.01	U	U	.012	U	U
cis-1,2-Dichloroethene	mg/kg	.0052	U	U	.0058	U	U
cis-1,3-Dichloropropene	mg/kg	.0052	U	U	.0058	U	U
m,p-Xylenes	mg/kg	.0052	U	U	.0058	U	U
n-Butylbenzene	mg/kg	.0052	U	U	.0058	U	U
n-Propylbenzene	mg/kg	.0052	U	U	.0058	U	U
o-Chlorotoluene	mg/kg	.0052	U	U	.0058	U	U
p-Chlorotoluene	mg/kg	.0052	U	U	.0058	U	U
p-Cymene	mg/kg	.0052	U	U	.0058	U	U
sec-Butylbenzene	mg/kg	.0052	U	U	.0058	U	U
sec-Dichloropropane	mg/kg	.0052	U	U	.0058	U	U
tert-Butylbenzene	mg/kg	.0052	U	U	.0058	U	U

Summary of Validated Subsurface Soil Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-GP01			FTA-106-GP02		
	Associated Site:	FTA-106			FTA-106		
	Sample No:	FV0002			FV0006		
	Sample Date:	05-NOV-98			05-NOV-98		
User Test Group	*Sample Depth:*	1 - 3			7 - 8.5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES							
SW8260_S							
trans-1,2-Dichloroethene	mg/kg	.0052	U	U	.0058	U	U
trans-1,3-Dichloropropene	mg/kg	.0052	U	U	.0058	U	U

Summary of Validated Surface Water Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:		FTA-106-SW/SD01			FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03		
	Associated Site:		FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:		FV2001			FV2002			FV2004			FV2005		
	Sample Date:		15-FEB-99			15-FEB-99			15-FEB-99			15-FEB-99		
User Test Group / Lab Method / Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS														
SW6010_W														
Aluminum		mg/L	.1	B	B	.0898	B	B	.0944	B	B	.114	B	B
Antimony		mg/L	.06	U	U	.06	U	U	.06	U	U	.06	U	U
Arsenic		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Barium		mg/L	.0272	B	J	.0279	B	J	.0345	B	J	.0336	B	J
Beryllium		mg/L	.005	U	U	.005	U	U	.005	U	U	.005	U	U
Cadmium		mg/L	.005	U	U	.005	U	U	.005	U	U	.005	U	U
Calcium		mg/L	.66	B	J	.659	B	J	.769	B	J	.71	B	J
Chromium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Cobalt		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
Copper		mg/L	.025	U	U	.025	U	U	.025	U	U	.025	U	U
Iron		mg/L	.1	U	U	.1	U	U	.1	U	U	.1	U	U
Lead		mg/L	.003	U	U	.003	U	U	.003	U	U	.003	U	U
Magnesium		mg/L	.521	B	J	.534	B	J	.629	B	J	.566	B	J
Manganese		mg/L	.014	B	J	.0147	B	J	.025			.0171		
Nickel		mg/L	.04	U	U	.04	U	U	.04	U	U	.04	U	U
Potassium		mg/L	5	U	U	5	U	U	5	U	U	5	U	U
Selenium		mg/L	.005	U	U	.005	U	U	.005	U	U	.005	U	U
Silver		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Sodium		mg/L	.695	B	B	1.02	B	B	.866	B	B	.671	B	B
Thallium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Vanadium		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
Zinc		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
SW7470_W														
Mercury		mg/L	.0002	U	U	.0002	U	U	.0002	U	U	.0002	U	U
SEMIVOLATILES														
SW8270_W														
1,2,4-Trichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
1,2-Dichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
1,3-Dichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
1,4-Dichlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U

Summary of Validated Surface Water Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

Location Code:	FTA-106-SW/SD04
Associated Site:	FTA-106
Sample No:	FV2006
Sample Date:	11-FEB-99

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
METALS					
SW6010_W					
Aluminum		mg/L	.116	B	B
Antimony		mg/L	.06	U	U
Arsenic		mg/L	.01	U	U
Barium		mg/L	.0326	B	J
Beryllium		mg/L	.005	U	U
Cadmium		mg/L	.005	U	U
Calcium		mg/L	.701	B	J
Chromium		mg/L	.01	U	U
Cobalt		mg/L	.05	U	U
Copper		mg/L	.025	U	U
Iron		mg/L	.1	U	U
Lead		mg/L	.003	U	U
Magnesium		mg/L	.593	B	J
Manganese		mg/L	.0139	B	J
Nickel		mg/L	.04	U	U
Potassium		mg/L	.897	B	B
Selenium		mg/L	.005	U	U
Silver		mg/L	.01	U	U
Sodium		mg/L	1.39	B	B
Thallium		mg/L	.0047	B	J
Vanadium		mg/L	.05	U	U
Zinc		mg/L	.02	U	U
SW7470_W					
Mercury		mg/L	.0002	U	U
SEMIVOLATILES					
SW8270_W					
1,2,4-Trichlorobenzene		mg/L	.01	U	UJ
1,2-Dichlorobenzene		mg/L	.01	U	UJ
1,3-Dichlorobenzene		mg/L	.01	U	UJ
1,4-Dichlorobenzene		mg/L	.01	U	UJ

	Location Code:		FTA-106-SW/SD01			FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03		
	Associated Site:		FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:		FV2001			FV2002			FV2004			FV2005		
	Sample Date:		15-FEB-99			15-FEB-99			15-FEB-99			15-FEB-99		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270_W														
2,4,5-Trichlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2,4,6-Trichlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2,4-Dichlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2,4-Dimethylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2,4-Dinitrophenol		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
2,4-Dinitrotoluene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2,6-Dinitrotoluene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2-Chloronaphthalene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2-Chlorophenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2-Methylnaphthalene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2-Methylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
2-Nitroaniline		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
2-Nitrophenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
3,3'-Dichlorobenzidine		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
3-Nitroaniline		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
4,6-Dinitro-2-methylphenol		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
4-Bromophenyl phenyl ether		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
4-Chloro-3-methylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
4-Chloroaniline		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
4-Chlorophenyl phenyl ether		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
4-Methylphenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
4-Nitroaniline		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
4-Nitrophenol		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
Acenaphthene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Acenaphthylene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Anthracene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Benzo(a)anthracene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Benzo(a)pyrene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Benzo(b)fluoranthene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Benzo(ghi)perylene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Benzo(k)fluoranthene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U

Location Code: FTA-106-SW/SD04
Associated Site: FTA-106
Sample No: FV2006
Sample Date: 11-FEB-99

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
SEMIVOLATILES					
SW8270_W					
2,4,5-Trichlorophenol		mg/L	.01	U	UJ
2,4,6-Trichlorophenol		mg/L	.01	U	UJ
2,4-Dichlorophenol		mg/L	.01	U	UJ
2,4-Dimethylphenol		mg/L	.01	U	UJ
2,4-Dinitrophenol		mg/L	.05	U	UJ
2,4-Dinitrotoluene		mg/L	.01	U	UJ
2,6-Dinitrotoluene		mg/L	.01	U	UJ
2-Chloronaphthalene		mg/L	.01	U	UJ
2-Chlorophenol		mg/L	.01	U	UJ
2-Methylnaphthalene		mg/L	.01	U	UJ
2-Methylphenol		mg/L	.01	U	UJ
2-Nitroaniline		mg/L	.05	U	UJ
2-Nitrophenol		mg/L	.01	U	UJ
3,3'-Dichlorobenzidine		mg/L	.05	U	U
3-Nitroaniline		mg/L	.05	U	UJ
4,6-Dinitro-2-methylphenol		mg/L	.05	U	UJ
4-Bromophenyl phenyl ether		mg/L	.01	U	UJ
4-Chloro-3-methylphenol		mg/L	.01	U	R
4-Chloroaniline		mg/L	.01	U	UJ
4-Chlorophenyl phenyl ether		mg/L	.01	U	UJ
4-Methylphenol		mg/L	.01	U	UJ
4-Nitroaniline		mg/L	.05	U	UJ
4-Nitrophenol		mg/L	.05	U	UJ
Acenaphthene		mg/L	.01	U	UJ
Acenaphthylene		mg/L	.01	U	UJ
Anthracene		mg/L	.01	U	U
Benzo(a)anthracene		mg/L	.01	U	U
Benzo(a)pyrene		mg/L	.01	U	U
Benzo(b)fluoranthene		mg/L	.01	U	U
Benzo(ghi)perylene		mg/L	.01	U	U
Benzo(k)fluoranthene		mg/L	.01	U	U

	Location Code:		FTA-106-SW/SD01			FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03		
	Associated Site:		FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:		FV2001			FV2002			FV2004			FV2005		
	Sample Date:		15-FEB-99			15-FEB-99			15-FEB-99			15-FEB-99		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270_W														
Butyl benzyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Carbazole		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Chrysene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Di-n-butyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Di-n-octyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Dibenz(a,h)anthracene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Dibenzofuran		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Diethyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Dimethyl phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Fluoranthene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Fluorene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Hexachlorobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Hexachlorobutadiene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Hexachlorocyclopentadiene		mg/L	.05	U	UJ	.05	U	UJ	.05	U	UJ	.05	U	UJ
Hexachloroethane		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Indeno(1,2,3-cd)pyrene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Isophorone		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Naphthalene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Nitrobenzene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Pentachlorophenol		mg/L	.05	U	U	.05	U	U	.05	U	U	.05	U	U
Phenanthrene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Phenol		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Pyrene		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
bis(2-Chloroethoxy)methane		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
bis(2-Chloroethyl)ether		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
bis(2-Chloroisopropyl)ether		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
bis(2-Ethylhexyl)phthalate		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
n-Nitroso-di-n-propylamine		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
n-Nitrosodiphenylamine		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U

Location Code: FTA-106-SW/SD04
Associated Site: FTA-106
Sample No: FV2006
Sample Date: 11-FEB-99

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
SEMIVOLATILES					
SW8270_W					
Butyl benzyl phthalate		mg/L	.01	U	U
Carbazole		mg/L	.01	U	U
Chrysene		mg/L	.01	U	U
Di-n-butyl phthalate		mg/L	.01	U	U
Di-n-octyl phthalate		mg/L	.01	U	U
Dibenz(a,h)anthracene		mg/L	.01	U	U
Dibenzofuran		mg/L	.01	U	UJ
Diethyl phthalate		mg/L	.01	U	UJ
Dimethyl phthalate		mg/L	.01	U	UJ
Fluoranthene		mg/L	.01	U	U
Fluorene		mg/L	.01	U	UJ
Hexachlorobenzene		mg/L	.01	U	UJ
Hexachlorobutadiene		mg/L	.01	U	UJ
Hexachlorocyclopentadiene		mg/L	.05	U	UJ
Hexachloroethane		mg/L	.01	U	UJ
Indeno(1,2,3-cd)pyrene		mg/L	.01	U	U
Isophorone		mg/L	.01	U	UJ
Naphthalene		mg/L	.01	U	UJ
Nitrobenzene		mg/L	.01	U	UJ
Pentachlorophenol		mg/L	.05	U	UJ
Phenanthrene		mg/L	.01	U	UJ
Phenol		mg/L	.01	U	UJ
Pyrene		mg/L	.01	U	U
bis(2-Chloroethoxy)methane		mg/L	.01	U	UJ
bis(2-Chloroethyl)ether		mg/L	.01	U	UJ
bis(2-Chloroisopropyl)ether		mg/L	.01	U	UJ
bis(2-Ethylhexyl)phthalate		mg/L	.01	U	U
n-Nitroso-di-n-propylamine		mg/L	.01	U	UJ
n-Nitrosodiphenylamine		mg/L	.01	U	UJ

	Location Code:		FTA-106-SW/SD01			FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03		
	Associated Site:		FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:		FV2001			FV2002			FV2004			FV2005		
	Sample Date:		15-FEB-99			15-FEB-99			15-FEB-99			15-FEB-99		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260_W														
1,1,1,2-Tetrachloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,1,1-Trichloroethane		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
1,1,2,2-Tetrachloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,1,2-Trichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,1-Dichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,1-Dichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,1-Dichloropropene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
1,2,3-Trichlorobenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
1,2,3-Trichloropropane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,2,4-Trichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,2,4-Trimethylbenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
1,2-Dibromo-3-Chloropropane		mg/L	.002	U	R	.002	U	R	.002	U	R	.002	U	R
1,2-Dibromoethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,2-Dichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,2-Dichloroethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,2-Dichloropropane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,2-Dimethylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,3,5-Trimethylbenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
1,3-Dichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,3-Dichloropropane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
1,4-Dichlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
2-Butanone		mg/L	.005	U	R	.005	U	R	.005	U	R	.005	U	R
2-Hexanone		mg/L	.005	U	U	.005	U	U	.005	U	U	.005	U	U
4-Methyl-2-pentanone		mg/L	.005	U	U	.005	U	U	.005	U	U	.005	U	U
Acetone		mg/L	.0013	J B	B	.01	U	R	.01	U	R	.01	U	R
Benzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Bromobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Bromochloromethane		mg/L	.001	U	R	.001	U	R	.001	U	R	.001	U	R
Bromodichloromethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Bromoform		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Bromomethane		mg/L	.002	U	U	.002	U	U	.002	U	U	.002	U	U

Location Code: FTA-106-SW/SD04
Associated Site: FTA-106
Sample No: FV2006
Sample Date: 11-FEB-99

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
VOLATILES					
SW8260_W					
1,1,1,2-Tetrachloroethane		mg/L	.001	U	U
1,1,1-Trichloroethane		mg/L	.001	U	U
1,1,2,2-Tetrachloroethane		mg/L	.001	U	U
1,1,2-Trichloroethane		mg/L	.001	U	U
1,1-Dichloroethane		mg/L	.001	U	U
1,1-Dichloroethene		mg/L	.001	U	U
1,1-Dichloropropene		mg/L	.001	U	U
1,2,3-Trichlorobenzene		mg/L	.001	U	UJ
1,2,3-Trichloropropane		mg/L	.001	U	U
1,2,4-Trichlorobenzene		mg/L	.001	U	UJ
1,2,4-Trimethylbenzene		mg/L	.001	U	U
1,2-Dibromo-3-Chloropropane		mg/L	.002	U	R
1,2-Dibromoethane		mg/L	.001	U	U
1,2-Dichlorobenzene		mg/L	.001	U	UJ
1,2-Dichloroethane		mg/L	.001	U	U
1,2-Dichloropropane		mg/L	.001	U	U
1,2-Dimethylbenzene		mg/L	.001	U	U
1,3,5-Trimethylbenzene		mg/L	.001	U	U
1,3-Dichlorobenzene		mg/L	.001	U	U
1,3-Dichloropropane		mg/L	.001	U	U
1,4-Dichlorobenzene		mg/L	.001	U	UJ
2-Butanone		mg/L	.005	U	R
2-Hexanone		mg/L	.005	U	UJ
4-Methyl-2-pentanone		mg/L	.005	U	UJ
Acetone		mg/L	.01	U	R
Benzene		mg/L	.001	U	U
Bromobenzene		mg/L	.001	U	U
Bromochloromethane		mg/L	.001	U	R
Bromodichloromethane		mg/L	.001	U	U
Bromoform		mg/L	.001	U	U
Bromomethane		mg/L	.002	U	U

	Location Code:		FTA-106-SW/SD01			FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03		
	Associated Site:		FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:		FV2001			FV2002			FV2004			FV2005		
	Sample Date:		15-FEB-99			15-FEB-99			15-FEB-99			15-FEB-99		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260_W														
Carbon disulfide		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Carbon tetrachloride		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
Chlorobenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Chloroethane		mg/L	.002	U	U	.002	U	U	.002	U	U	.002	U	U
Chloroform		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Chloromethane		mg/L	.002	U	U	.002	U	U	.002	U	U	.002	U	U
Cumene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
Dibromochloromethane		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Dibromomethane		mg/L	.001	U	R	.001	U	R	.001	U	R	.001	U	R
Dichlorodifluoromethane		mg/L	.002	U	U	.002	U	U	.002	U	U	.002	U	U
Ethylbenzene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Hexachlorobutadiene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
Methylene chloride		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
Naphthalene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Styrene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Tetrachloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Toluene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Trichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Trichlorofluoromethane		mg/L	.002	U	UJ	.002	U	UJ	.002	U	UJ	.002	U	UJ
Vinyl chloride		mg/L	.002	U	U	.002	U	U	.002	U	U	.002	U	U
cis-1,2-Dichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
cis-1,3-Dichloropropene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
m,p-Xylenes		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
n-Butylbenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
n-Propylbenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
o-Chlorotoluene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
p-Chlorotoluene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
p-Cymene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	U	.001	U	UJ
sec-Butylbenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
sec-Dichloropropane		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ
tert-Butylbenzene		mg/L	.001	U	UJ	.001	U	UJ	.001	U	UJ	.001	U	UJ

Location Code: FTA-106-SW/SD04
Associated Site: FTA-106
Sample No: FV2006
Sample Date: 11-FEB-99

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
VOLATILES					
SW8260_W					
Carbon disulfide		mg/L	.001	U	U
Carbon tetrachloride		mg/L	.001	U	U
Chlorobenzene		mg/L	.001	U	U
Chloroethane		mg/L	.002	U	U
Chloroform		mg/L	.001	U	U
Chloromethane		mg/L	.002	U	U
Cumene		mg/L	.001	U	U
Dibromochloromethane		mg/L	.001	U	U
Dibromomethane		mg/L	.001	U	R
Dichlorodifluoromethane		mg/L	.002	U	UJ
Ethylbenzene		mg/L	.001	U	U
Hexachlorobutadiene		mg/L	.001	U	UJ
Methylene chloride		mg/L	.001	U	UJ
Naphthalene		mg/L	.001	U	UJ
Styrene		mg/L	.001	U	U
Tetrachloroethene		mg/L	.001	U	U
Toluene		mg/L	.001	U	U
Trichloroethene		mg/L	.001	U	U
Trichlorofluoromethane		mg/L	.002	U	U
Vinyl chloride		mg/L	.002	U	U
cis-1,2-Dichloroethene		mg/L	.001	U	U
cis-1,3-Dichloropropene		mg/L	.001	U	U
m,p-Xylenes		mg/L	.001	U	U
n-Butylbenzene		mg/L	.001	U	UJ
n-Propylbenzene		mg/L	.001	U	U
o-Chlorotoluene		mg/L	.001	U	U
p-Chlorotoluene		mg/L	.001	U	U
p-Cymene		mg/L	.001	U	UJ
sec-Butylbenzene		mg/L	.001	U	UJ
sec-Dichloropropane		mg/L	.001	U	U
tert-Butylbenzene		mg/L	.001	U	U

Summary of Valida urface Water Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:		FTA-106-SW/SD01			FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03		
	Associated Site:		FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:		FV2001			FV2002			FV2004			FV2005		
	Sample Date:		15-FEB-99			15-FEB-99			15-FEB-99			15-FEB-99		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260_W														
trans-1,2-Dichloroethene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
trans-1,3-Dichloropropene		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U

Location Code:	FTA-106-SW/SD04
Associated Site:	FTA-106
Sample No:	FV2006
Sample Date:	11-FEB-99

User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*
VOLATILES					
SW8260_W					
trans-1,2-Dichloroethene		mg/L	.001	U	U
trans-1,3-Dichloropropene		mg/L	.001	U	U

Summary of Va[illegible]d Sediment Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03			FTA-106-SW/SD04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV1001			FV1002			FV1003			FV1004		
	Sample Date:	15-FEB-99			15-FEB-99			15-FEB-99			11-FEB-99		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010_S													
Aluminum	mg/kg	5430			3320			4520			3120		
Antimony	mg/kg	8.6	U	UJ	9.7	U	UJ	8.1	U	UJ	8.6	U	UJ
Arsenic	mg/kg	1.8			1.3	B	J	1.5			1.5		
Barium	mg/kg	36.1		J	33.1		J	35.7		J	43.4		J
Beryllium	mg/kg	0.68	B	J	0.61	B	J	0.49	B	J	0.69	B	J
Cadmium	mg/kg	0.72	U	UJ	0.81	U	UJ	0.68	U	UJ	0.71	U	UJ
Calcium	mg/kg	90.6	B	J	133	B	J	88.5	B	J	148	B	J
Chromium	mg/kg	5.1		J	5.6		J	4.1		J	3.7		J
Cobalt	mg/kg	8.1			2.0	B	J	3.6	B	J	9.7		
Copper	mg/kg	3.2	B	J	2.7	B	J	2.5	B	J	3.6		
Iron	mg/kg	6490			5300			5420			4890		
Lead	mg/kg	9.6		J	8.8		J	7.0		J	13.4		J
Magnesium	mg/kg	149	B	J	111	B	J	182	B	J	151	B	J
Manganese	mg/kg	390		J	94.9		J	211		J	617		J
Nickel	mg/kg	2.5	B	J	2.1	B	J	2.5	B	J	2.4	B	J
Potassium	mg/kg	719	U	U	810	U	U	163	B	J	108	B	J
Selenium	mg/kg	0.74			0.76	B	J	0.63	B	J	0.63	B	J
Silver	mg/kg	1.4	U	U	1.6	U	U	1.4	U	U	1.4	U	U
Sodium	mg/kg	32.7	B	B	29.8	B	B	39.4	B	B	54.6	B	B
Thallium	mg/kg	1.4	U	U	1.6	U	U	1.4	U	U	1.4	U	U
Vanadium	mg/kg	10			8.3			8.5			6.9	B	J
Zinc	mg/kg	7.8		J	11.6		J	11.1		J	17.4		J
SW7471_S													
Mercury	mg/kg	0.047			0.035	B	J	0.034	B	J	0.034	B	J
SEMIVOLATILES													
SW8270_S													
1,2,4-Trichlorobenzene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
1,2-Dichlorobenzene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
1,3-Dichlorobenzene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
1,4-Dichlorobenzene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U

Summary of Validated Sediment Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03			FTA-106-SW/SD04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV1001			FV1002			FV1003			FV1004		
	Sample Date:	15-FEB-99			15-FEB-99			15-FEB-99			11-FEB-99		
User Test Group / Lab Method	Sample Depth:	0 - .5			0 - .5			0 - .5			0 - .5		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
SEMIVOLATILES													
SW8270_S													
2,4,5-Trichlorophenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2,4,6-Trichlorophenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2,4-Dichlorophenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2,4-Dimethylphenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2,4-Dinitrophenol	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
2,4-Dinitrotoluene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2,6-Dinitrotoluene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2-Chloronaphthalene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2-Chlorophenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2-Methylnaphthalene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2-Methylphenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
2-Nitroaniline	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
2-Nitrophenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
3,3'-Dichlorobenzidine	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
3-Nitroaniline	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
4,6-Dinitro-2-methylphenol	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
4-Bromophenyl phenyl ether	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
4-Chloro-3-methylphenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
4-Chloroaniline	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
4-Chlorophenyl phenyl ether	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
4-Methylphenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
4-Nitroaniline	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
4-Nitrophenol	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
Acenaphthene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Acenaphthylene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Anthracene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Benzo(a)anthracene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Benzo(a)pyrene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Benzo(b)fluoranthene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Benzo(ghi)perylene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Benzo(k)fluoranthene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U

Summary of Va[illegible] Sediment Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03			FTA-106-SW/SD04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV1001			FV1002			FV1003			FV1004		
	Sample Date:	15-FEB-99			15-FEB-99			15-FEB-99			11-FEB-99		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES													
SW8270_S													
Butyl benzyl phthalate	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Carbazole	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Chrysene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Di-n-butyl phthalate	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Di-n-octyl phthalate	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Dibenz(a,h)anthracene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Dibenzofuran	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Diethyl phthalate	mg/kg	.47	U	UJ	.53	U	UJ	.45	U	UJ	.47	U	U
Dimethyl phthalate	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Fluoranthene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Fluorene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Hexachlorobenzene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Hexachlorobutadiene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Hexachlorocyclopentadiene	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
Hexachloroethane	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Indeno(1,2,3-cd)pyrene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Isophorone	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Naphthalene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Nitrobenzene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Pentachlorophenol	mg/kg	2.3	U	U	2.6	U	U	2.2	U	U	2.3	U	U
Phenanthrene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Phenol	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
Pyrene	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
bis(2-Chloroethoxy)methane	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
bis(2-Chloroethyl)ether	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
bis(2-Chloroisopropyl)ether	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
bis(2-Ethylhexyl)phthalate	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
n-Nitroso-di-n-propylamine	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U
n-Nitrosodiphenylamine	mg/kg	.47	U	U	.53	U	U	.45	U	U	.47	U	U

Summary of Validated Sediment Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03			FTA-106-SW/SD04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV1001			FV1002			FV1003			FV1004		
	Sample Date:	15-FEB-99			15-FEB-99			15-FEB-99			11-FEB-99		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
TOC													
SW9060_S													
Total Organic Carbon	mg/kg	20100			26400			7710			16700		J
VOLATILES													
SW8260_S													
1,1,1,2-Tetrachloroethane	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
1,1,1-Trichloroethane	mg/kg	.0072	U	U	.0081	U	U	.0068	U	U	.0071	U	U
1,1,2,2-Tetrachloroethane	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
1,1,2-Trichloroethane	mg/kg	.0072	U	UJ	.0081	U	U	.0068	U	U	.0071	U	U
1,1-Dichloroethane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
1,1-Dichloroethene	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
1,1-Dichloropropene	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
1,2,3-Trichlorobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
1,2,3-Trichloropropane	mg/kg	.0072	U	UJ	.0081	U	U	.0068	U	UJ	.0071	U	UJ
1,2,4-Trichlorobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
1,2,4-Trimethylbenzene	mg/kg	.0072	U	UJ	.0081	U	U	.0068	U	UJ	.0071	U	UJ
1,2-Dibromo-3-Chloropropane	mg/kg	.014	U	UJ	.016	U	UJ	.014	U	UJ	.014	U	UJ
1,2-Dibromoethane	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
1,2-Dichlorobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
1,2-Dichloroethane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
1,2-Dichloropropane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
1,2-Dimethylbenzene	mg/kg	.0072	U	UJ	.0081	U	U	.0068	U	U	.0071	U	U
1,3,5-Trimethylbenzene	mg/kg	.0072	U	UJ	.0081	U	U	.0068	U	UJ	.0071	U	UJ
1,3-Dichlorobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
1,3-Dichloropropane	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
1,4-Dichlorobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
2-Butanone	mg/kg	.0094	J	J	.094		J	.027	U	R	.0087	J	J
2-Hexanone	mg/kg	.029	U	UJ	.032	U	UJ	.027	U	U	.029	U	U
4-Methyl-2-pentanone	mg/kg	.029	U	UJ	.032	U	UJ	.027	U	U	.029	U	U
Acetone	mg/kg	.26		J	1	J D B	B	.048		J	.2		J
Benzene	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Bromobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U

Summary of Va[illegible]d Sediment Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03			FTA-106-SW/SD04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV1001			FV1002			FV1003			FV1004		
	Sample Date:	15-FEB-99			15-FEB-99			15-FEB-99			11-FEB-99		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260_S													
Bromochloromethane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Bromodichloromethane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Bromoform	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Bromomethane	mg/kg	.014	U	R	.016	U	R	.014	U	R	.014	U	R
Carbon disulfide	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Carbon tetrachloride	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Chlorobenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Chloroethane	mg/kg	.014	U	UJ	.016	U	UJ	.014	U	UJ	.014	U	UJ
Chloroform	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Chloromethane	mg/kg	.014	U	U	.016	U	UJ	.014	U	U	.014	U	U
Cumene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0058	J	J
Dibromochloromethane	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Dibromomethane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
Dichlorodifluoromethane	mg/kg	.014	U	U	.016	U	UJ	.014	U	U	.014	U	U
Ethylbenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Hexachlorobutadiene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
Methylene chloride	mg/kg	.0064	J B	B	.0077	J B	B	.0044	J B	B	.0041	J B	B
Naphthalene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
Styrene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Tetrachloroethene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Toluene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U
Trichloroethene	mg/kg	.0072	U	U	.0081	U	U	.0068	U	U	.0071	U	U
Trichlorofluoromethane	mg/kg	.014	U	UJ	.0048	J	J	.014	U	UJ	.004	J	J
Vinyl chloride	mg/kg	.014	U	U	.016	U	U	.014	U	U	.014	U	U
cis-1,2-Dichloroethene	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
cis-1,3-Dichloropropene	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
m,p-Xylenes	mg/kg	.0072	U	UJ	.0081	U	U	.0068	U	U	.0071	U	U
n-Butylbenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
n-Propylbenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
o-Chlorotoluene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
p-Chlorotoluene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ

Summary of Validated Sediment Data
Former Smoke Area S (Parcel 106)
Fort McClellan, Alabama

Report Date: 07/13/00

	Location Code:	FTA-106-SW/SD01			FTA-106-SW/SD02			FTA-106-SW/SD03			FTA-106-SW/SD04		
	Associated Site:	FTA-106			FTA-106			FTA-106			FTA-106		
	Sample No:	FV1001			FV1002			FV1003			FV1004		
	Sample Date:	15-FEB-99			15-FEB-99			15-FEB-99			11-FEB-99		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260_S													
p-Cymene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
sec-Butylbenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
sec-Dichloropropane	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
tert-Butylbenzene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	UJ	.0071	U	UJ
trans-1,2-Dichloroethene	mg/kg	.0072	U	U	.0081	U	UJ	.0068	U	U	.0071	U	U
trans-1,3-Dichloropropene	mg/kg	.0072	U	UJ	.0081	U	UJ	.0068	U	U	.0071	U	U

GRAIN SIZE ANALYSIS

Duane Nielsen
IT Corporation
April 12, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name	Fort McClellan	Client Sample No.	FV1001
Project No.	774645.17020300	IT Lab Sample No.	ETDC-8244

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 39.3%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	96.7%
	#4	4.750	87.7%
	#10	2.000	81.0%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	76.0%
	#40	0.425	63.5%
	#60	0.250	53.1%
	#100	0.149	42.1%
	#140	0.106	35.5%
	#200	0.075	30.7%

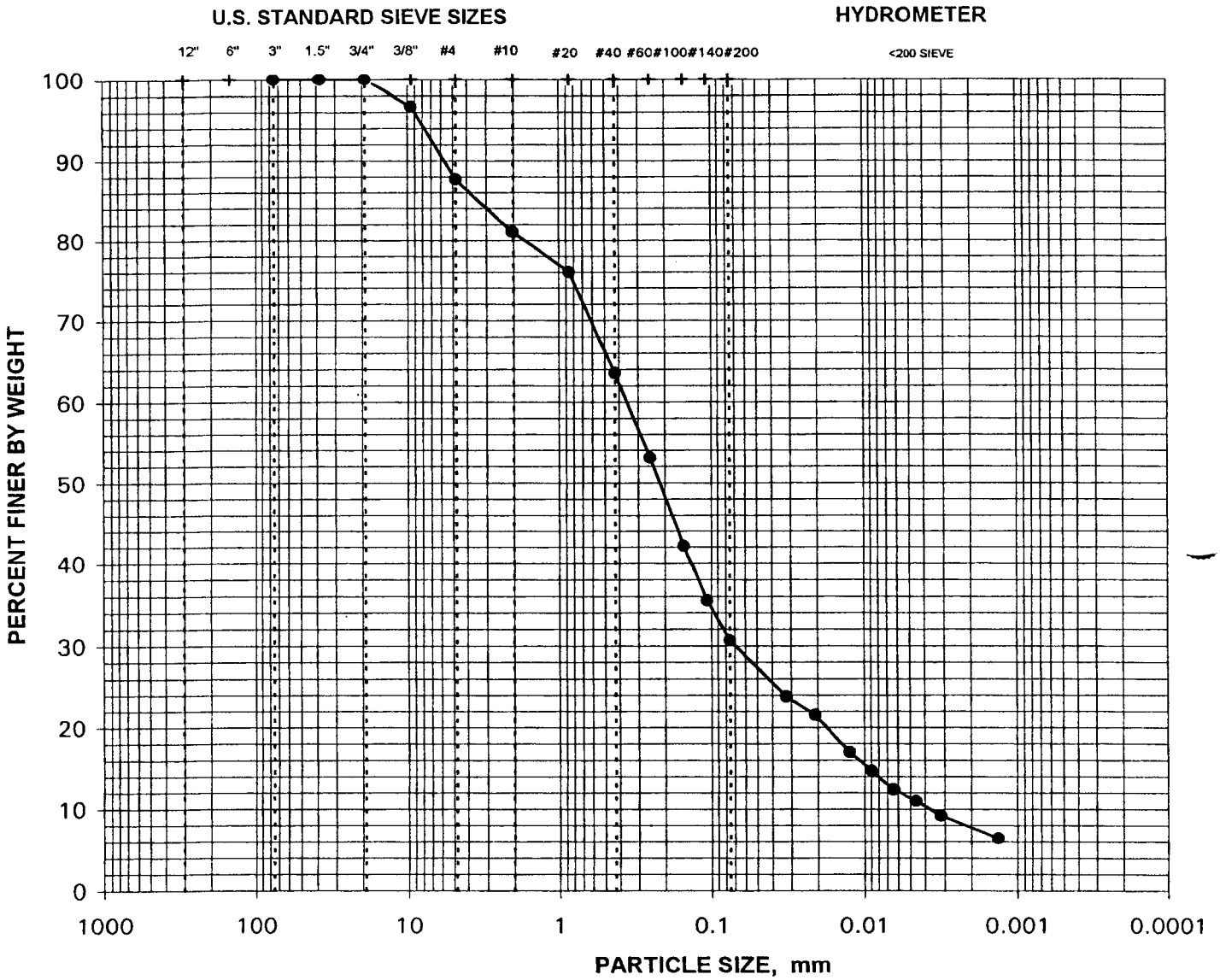
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.03216	23.8%
	0.02066	21.5%
	0.01236	16.9%
	0.00888	14.7%
	0.00638	12.4%
	0.00454	11.0%
	0.00316	9.2%
	0.00134	6.4%

Duane Nielsen
IT Corporation
April 12, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

Fort McClellan



CLIENT SAMPLE NO.: FV1001

IT LAB SAMPLE NO.: ETDC-8244

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns

Duane Nielsen
IT Corporation
April 12, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name	Fort McClellan	Client Sample No.	FV1002
Project No.	774645.17020300	IT Lab Sample No.	ETDC-8245

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 59.3%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	100.0%
	#4	4.750	98.8%
	#10	2.000	96.9%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	93.5%
	#40	0.425	80.7%
	#60	0.250	61.8%
	#100	0.149	39.6%
	#140	0.106	29.1%
	#200	0.075	22.4%

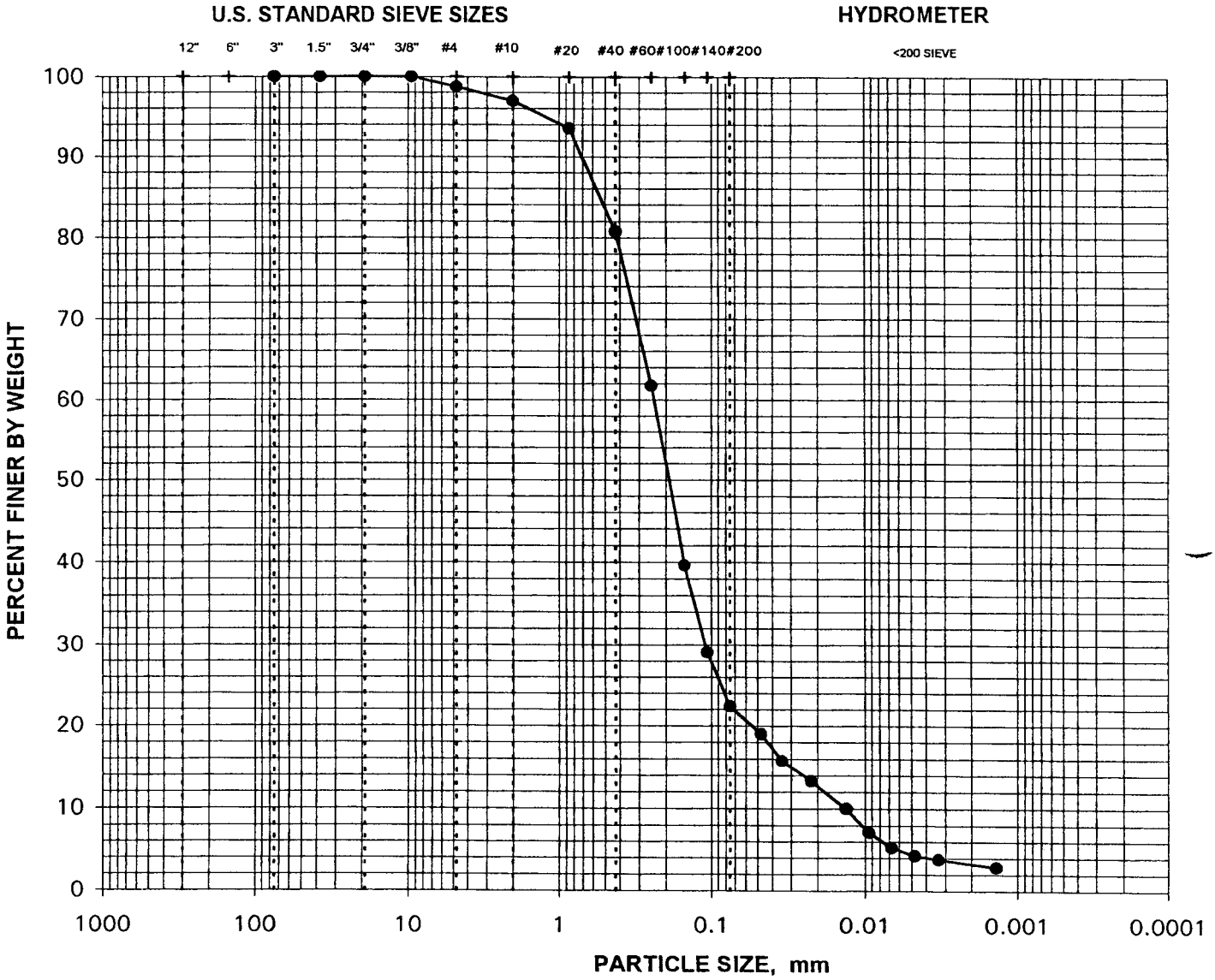
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.04728	19.0%
	0.03426	15.7%
	0.02201	13.3%
	0.01300	10.0%
	0.00936	7.1%
	0.00669	5.2%
	0.00476	4.3%
	0.00331	3.8%
	0.00137	2.9%

Duane Nielsen
IT Corporation
April 12, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

Fort McClellan



CLIENT SAMPLE NO.: FV1002

IT LAB SAMPLE NO.: ETDC-8245

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns

Duane Nielsen
IT Corporation
April 12, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name	Fort McClellan	Client Sample No.	FV1003
Project No.	774645.17020300	IT Lab Sample No.	ETDC-8246

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 39.0%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	100.0%
	#4	4.750	98.7%
	#10	2.000	96.8%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	94.9%
	#40	0.425	88.2%
	#60	0.250	79.0%
	#100	0.149	64.0%
	#140	0.106	51.9%
	#200	0.075	42.3%

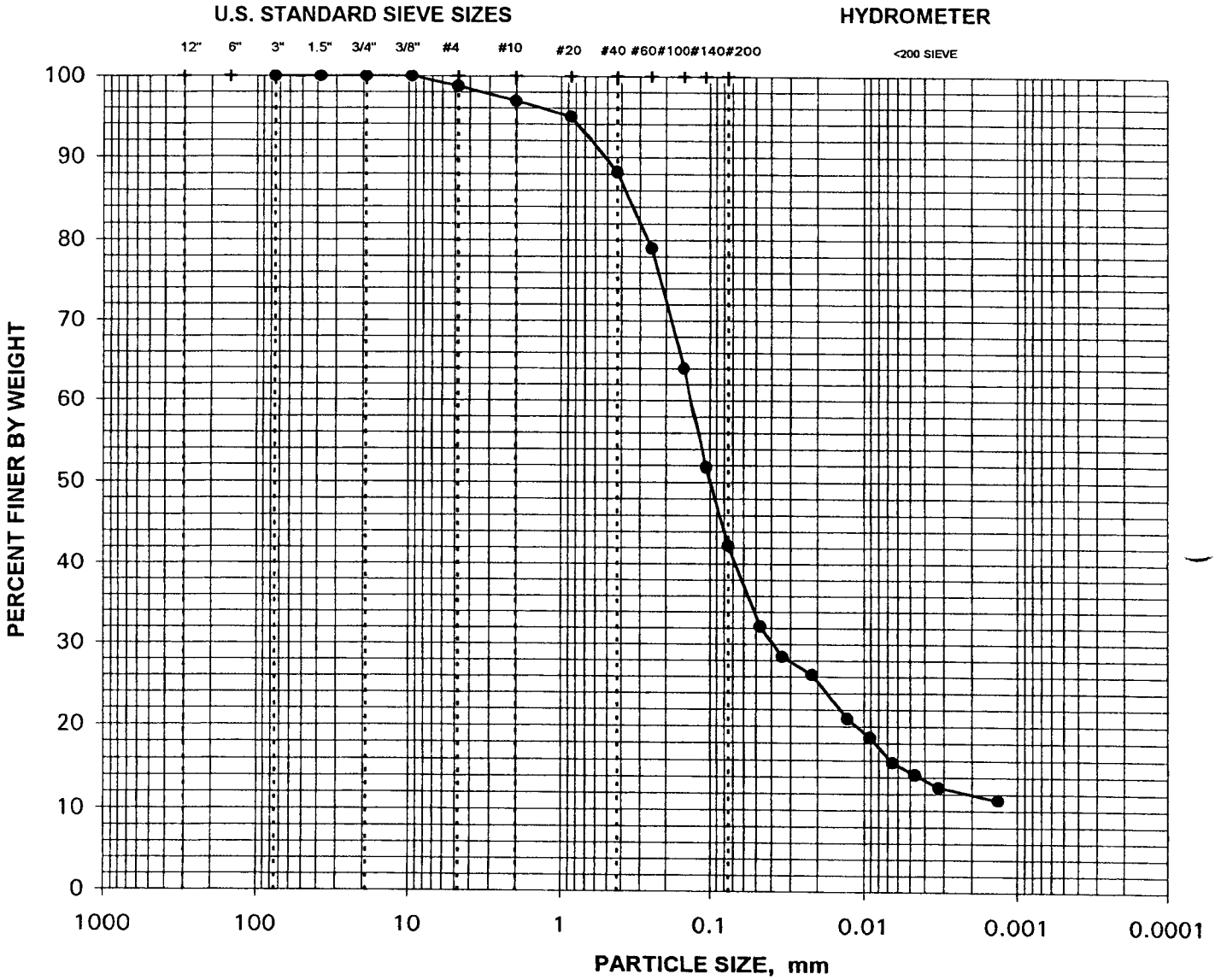
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.04689	32.2%
	0.03371	28.5%
	0.02154	26.2%
	0.01271	21.0%
	0.00907	18.7%
	0.00650	15.7%
	0.00462	14.2%
	0.00322	12.7%
	0.00133	11.2%

Duane Nielsen
IT Corporation
April 12, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

Fort McClellan



CLIENT SAMPLE NO.: FV1003

IT LAB SAMPLE NO.: ETDC-8246

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns

Duane Nielsen
IT Corporation
March 24, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL
LABORATORY
OAK RIDGE, TN
(423) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan

Client Sample No.: FV1004

Project No.: 774645.17020300

IT Lab Sample No.: ETDC-8222

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 37.7%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	90.1%
	#4	4.750	84.7%
	#10	2.000	80.7%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	77.0%
	#40	0.425	66.3%
	#60	0.250	53.9%
	#100	0.149	41.4%
	#140	0.106	33.2%
	#200	0.075	26.8%

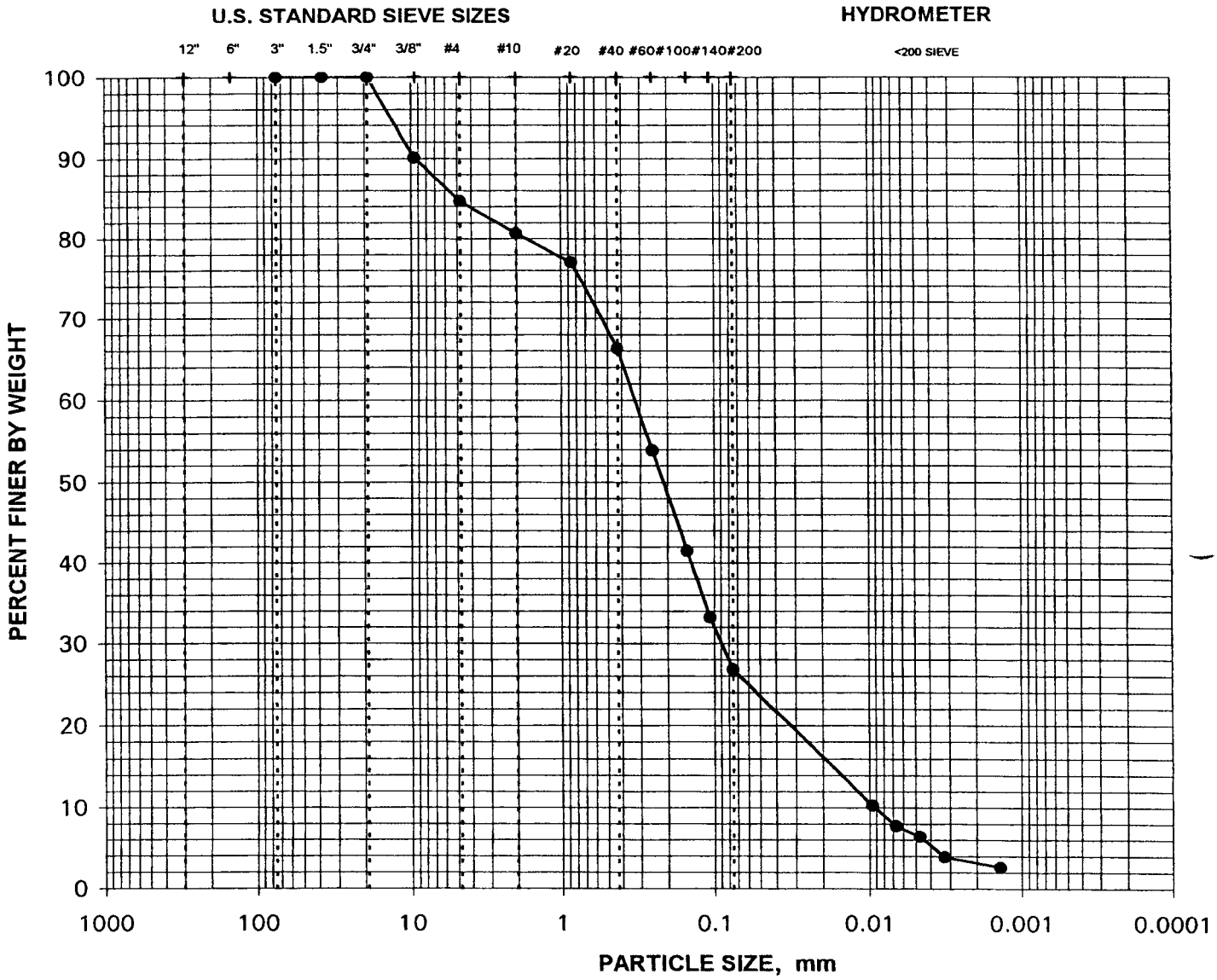
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.00944	10.3%
	0.00666	7.7%
	0.00469	6.4%
	0.00324	3.8%
	0.00138	2.6%

Duane Nielsen
IT Corporation
March 24, 1999
IT Project ID: Fort McClellan
IT Project No.: 774645.17020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(423) 482-6497

Fort McClellan



CLIENT SAMPLE NO.: FV1004

IT LAB SAMPLE NO.: ETDC-8222

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns

APPENDIX E

DATA VALIDATION SUMMARY REPORT

Data Validation Summary Report
for the Site Investigation Performed at the
Smoke Area S (Parcel FTA-106)
Fort McClellan, Calhoun County, Alabama

1.0 Introduction

Level III data validation was performed on 100 percent of the environmental samples collected at Parcel FTA-106. The analytical data consisted of four sample delivery groups (SDG), PK610601 through PK610604, which were analyzed by Quanterra Incorporated. Both soil and water matrices were validated. In addition, an evaluation of the field split data, which was analyzed by the U.S. Army Corps of Engineers-South Atlantic Division laboratory is included in this report. The chemical parameters for which the samples were analyzed, are identified below:

Parameter (Method)
Target Compound List Volatile Organics by GC/MS SW-846 8260B
Target Compound List Semivolatiles by GC SW-846 8270C
Metals by SW-846 6010B and 7471A/7470A
Wet Chemistry -Total Organic Carbon by SW846-9060

2.0 Procedures

The sample data were validated following the logic identified in the *USEPA Contract Laboratory Program (CLP) National Functional Guidelines For Inorganic Data Review (*February 1994*)* and *USEPA Contract Laboratory Program National Functional Guidelines For Organic Review (February 1994)* for all areas except Blanks. *Region III Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (*April 1993*)* and *Region III National Functional Guidelines for Organic Data Review (*June 1992*)* were applied to the areas associated with blank contamination. Specific quality control (QC) criteria, as identified in the Quality Assurance Plan (QAP), analytical methods, and laboratory Standard Operating Procedures (SOP) were applied to all sample results. As the result of the use of Update III SW846 test methods for the analytical data and the application of the CLP guidelines during the validation process, there were instances where specific QC requirements for all target compounds were not defined. This primarily occurred in the organic, gas chromatography (GC) and GC/Mass Spectrometry (MS) calibration

areas and is due to the fact that the analytical methods are "performance-based," and allows the use of average calibration responses, in lieu of, individual responses, which are defined by CLP protocol. In light of applying CLP guidelines to SW846 methods and evaluating the usability of the data during the validation process, specific QC criteria were determined to address all target compounds and are identified in this report for each parameter, as well as, in the validation checklists, which function as worksheets. All completed validation checklists are on file in the Knoxville office. For those analytical methods not addressed by the CLP and Region III guidelines, the validation was based on the method requirements (i. e. SW846, CFR, SOPs, QAP) and technical judgement following the logic of the CLP validation guidelines.

3.0 Summary of Data Validation Findings

The overall quality of the data was determined to be acceptable. The only rejected data ('R' qualified) was due to "poor performing" volatile compounds (ketones, some halogenated hydrocarbons, e.g.), which exhibited poor calibration responses in the associated calibration data, semivolatile compounds, which exhibited unacceptable surrogate and LCS recoveries, and samples that were reanalyzed and have more than one result reported. The 'R' qualifier was assigned to the samples with more than one set of results to indicate that a given result should not be used to characterize a particular constituent or an analysis for a given sample.

Individual validation reports have been prepared for each parameter in each SDG and the overall results of the validation findings are summarized in this report. The validation qualifier data entry verification report (Attachment A) is also provided. This is a complete listing of all of the analytical results and the validation qualifiers assigned for FTA-106 sites. It also identifies the 'use' column, which indicates which result to use in the event of a reanalysis. A listing of the validation qualifiers and the reason codes, along with their definitions is also found in Attachment A. The following section highlights the key findings of the data validation for each analysis.

4.0 Analysis-Specific Data Validation Summaries

4.1 Volatile Organics by GC/MS SW846-8260B

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria, with the exceptions of the following:

- The following demonstrated relative response factors (RRF) below 0.1 in the ICAL and/or CCAL: Nondetect results were rejected (qualified 'R'); positive results were estimated (qualified 'J'); unless 'B' qualified due to blank contamination.

SDG/SDGs	Samples Affected	Analyte / Analytes	Validation Qualifier
PK610601	FV0001, FV0002, FV0003, FV0004, FV0006	Dibromomethane, Acetone, 2-Butanone, Bromomethane	*B/**R/J
PK610602	FV1001, FV1002, FV1003, FV1004	Acetone, 2-Butanone, Bromomethane	*B/**R/J
PK610603	FV2001, FV2002, FV2004, FV2005, FV2006	Dibromomethane, Acetone, 2-Butanone, 1,2-Dibromo-3-Chloropropane, Bromochloromethane	*B/**R
PK610604	FV0007	Acetone, 2-Butanone, Bromochloromethane	**R/J
PK610604	FV0008, FV0009, FV0010	Acetone, 2-Butanone	**R/J

* 'B' qualifiers assigned to designate blank contamination, which are identification qualifiers, take precedence over estimating qualifiers, assigned due to quantitation.

** 'R' qualifiers take precedence over estimating qualifiers.

- The following exhibited individual ICAL %RSD>30 and/or CCAL %D>20: Nondetect results were estimated (qualified 'UJ'); unless rejected (qualified 'R')

due to ICAL/CCAL minimum RRF criteria not met; positive results were estimated (qualified 'J'); unless 'B' qualified due to blank contamination.

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610601	FV0001, FV0002, FV0003, FV0004, FV0006	Naphthalene, Bromomethane, Methylene Chloride, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene	*B/**R/UJ/J
PK610602	FV1001, FV1002, FV1003, FV1004	Chloroethane, Bromomethane, Methylene Chloride, 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene	*B/**R/UJ/J
PK610602	FV1002	Acetone	*B
PK610602	FV1001, FV1002, FV1003	Trichlorofluoromethane	UJ
PK610603	FV2001, FV2002, FV2004, FV2005	n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, 1,2,-Dibromo-3-Chloropropane, Acetone, Methylene Chloride, 1,1-Dichloropropene 1,2,3-Trichlorobenzene, 1,1,1-Trichloroethane, Isopropylbenzene, 1,3,5-Trimethylbenzene, 1,2,4-Trimethylbenzene, Trichlorofluoromethane, n-Propylbenzene, 2,2-Dichloropropane, Hexachlorobutadiene, Carbon Tetrachloride	*B/**R/UJ
PK610603	FV2001, FV2002, FV2005, FV2006	p-Isopropyltoluene	UJ
PK610603	FV2006	2-Butanone, Naphthalene	**R/UJ

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610603	FV2006	1,2,-Dibromo-3-Chloropropane, Acetone, Methylene Chloride, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, n-Butylbenzene 1,2,4-Trichlorobenzene, sec-Butylbenzene 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Hexanone, Dichlorodifluoromethane, 4-Methyl-2-pentanone	**R/UJ
PK610604	FV0007, FV0008, FV0009, FV0010	Methylene Chloride	*B
PK610604	FV0008, FV0009, FV0010	Dichlorodifluoromethane, Acetone	UJ/J

* 'B' qualifiers assigned to designate blank contamination, which are identification qualifiers, take precedence over estimating qualifiers, assigned due to quantitation.

** 'R' qualifiers take precedence over estimating qualifiers.

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses, trip blanks, and method blanks was applied to all sample results. All were found to be acceptable with the exception of the following:

Note: 'B' qualifiers were applied to all of the following sample results.

SDG	Samples Affected	Analyte/Analytes	Associated Blank Contamination
PK610601	FV0001, FV0003, FV0004	Methylene Chloride, 2-Butanone	Method/ER
PK610601	FV0002, FV0006	Methylene Chloride	Method
PK610602	FV1001, FV1003, FV1004	Methylene Chloride	Method
PK610602	FV1002	Acetone, Methylene Chloride	Method
PK610603	FV2001	Acetone	Method
	FV0007, FV0008, FV0009,		

SDG	Samples Affected	Analyte/Analytes	Associated Blank Contamination
PK610604	FV0010	Methylene Chloride	Method

'B' qualifiers assigned to designate blank contamination, which are identification qualifiers, take precedence over estimating qualifiers, assigned due to quantitation.

Surrogate Recoveries

All surrogate recoveries are within acceptable QC ranges for the surrogates applied with the exception of the following: positive results were estimated (qualified 'J'); unless 'B' qualified due to blank contamination.

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610601	FV0003	2-Butanone, Methylene Chloride, 4-Methyl-2-pentanone, 1,1,2,2-Tetrachloroethane	*B/J
PK610602	FV1001	Acetone, 2-Butanone, Methylene Chloride	*B/J
PK610602	FV1002	2-Butanone, Methylene Chloride, Trichlorofluoromethane	*B/J
PK610604	FV0010	Acetone, 2-Butanone, Methylene Chloride, p-Isopropyltoluene	*B/J

* 'B' qualifiers assigned to designate blank contamination, which are identification qualifiers, take precedence over estimating qualifiers, assigned due to quantitation.

Matrix Spike/Matrix Spike Duplicate

Batch QC, matrix spike/matrix spike duplicate (MS/MSD), and laboratory control ssample (LCS) were performed for the project samples and all QC criteria were met.

Field Duplicates

Original and field duplicate (FD) results were evaluated and no problems were noted.

Internal Standards

All internal standards met criteria with the exception of the following:

- All compounds associated with the internal standards listed in the table below were qualified as indicated.

SDG	Samples Affected	Internal Standard Outside QC Limits	Validation Qualifier
PK610601	FV0001, FV0003, FV0004	1,4-Dichlorobenzene-d4	UJ/J
PK610601	FV0003	Chlorobenzene-d5	UJ/J
PK610602	FV1001, FV1002, FV1003, FV1004	1,4-Dichlorobenzene-d4	UJ/J
PK610602	FV1001, FV1002	Chlorobenzene-d5	UJ/J
PK610602	FV1002	Fluorobenzene	UJ/J
PK610604	FV0007, FV0008, FV0009, FV0010	1,4-Dichlorobenzene-d4	UJ/J
PK610604	FV0010	Chlorobenzene-d5	UJ/J

Quantitation

Results quantified between the maximum detection limit (MDL) and the reporting limit (RL), which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R'.

4.2 TCL Semivolatiles by GC/MS SW-846-8270C

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all project samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria with the exceptions of the following:

The following exhibited individual ICAL %RSD>30 and/or CCAL %D>20:

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610601	FV0001, FV0002, FV0003, FV0004, FV0006	4-Nitrophenol, 2-Nitroaniline, Bis(2-ethylhexyl)phthalate, 3,3'-Dichlorobenzidine	UJ
PK610602	FV1001, FV1002, FV1003	Diethyl Phthalate	UJ
PK610603	FV2001, FV2002, FV2004, FV2005	Hexachlorocyclopentadiene	UJ
PK610603	FV2006	4-Nitrophenol, 2,4-Dinitrophenol, 2,6-Dinitrotoluene, Hexachlorobenzene	UJ

Blanks

The 5X/10X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Surrogate Recoveries

All surrogate recoveries met QC criteria, with the exception of the following:

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610603	FV2006	4-Nitrophenol, 2,4-Dinitrophenol, 4-Chloro-3-methylphenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2-Chlorophenol, 2-Methylphenol, 2-Nitrophenol, 4-Methylphenol, 2,4-Dichlorophenol, 2,4-Dimethylphenol	**R/UJ

** 'R' qualifiers take precedence over estimating qualifiers.

Matrix Spike/Matrix Spike Duplicate

MS/MSD was performed for the project samples and all QC criteria were met.

Laboratory Control Sample

All QC criteria was met for the LCS associated with the project sample analyses, with the exception of the following:

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610603	FV2006	4-Chloro-3-methylphenol, 2-Chlorophenol, Phenol	**R/UJ

** 'R' qualifiers take precedence over estimating qualifiers.

Internal Standards

All internal standards met criteria with the exception of the following:

- All compounds associated with the internal standards listed in the table below were qualified as indicated.

SDG	Samples Affected	Internal Standard Outside QC Limits	Validation Qualifier
PK610603	FV2006	1,4-Dichlorobenzene-d4, Napthalene-d8, Acenapthene-d10, Phenanthrene-d10	**R/UJ
PK610604	FV0008	Chrysene-d12, Perylene-d12	UJ

** 'R' qualifiers take precedence over estimating qualifiers.

Field Duplicates

Original and FD results were evaluated and no problems were identified.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R'.

4.3 Metals by SW-846-6010B/7471A/7470A

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing calibrations

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinse, calibration, and method blanks was applied to all sample results. All were acceptable with the exceptions noted below:

Note: 'B' qualifiers were applied to all of the following sample results.

SDG	Samples Affected	Element/Elements	Associated Blank Contamination
PK610602	FV1001, FV1002, FV1003, FV1004	Sodium	Method/Calibration/ER
PK610603	FV2001, FV2002, FV2004, FV2005, FV2006	Aluminum, Sodium	Method/Calibration
PK610603	FV2006	Potassium	Calibration
PK610604	FV0007, FV0008, FV0009	Mercury, Sodium	Method/Calibration/ER
PK610604	FV0010	Sodium	Method/Calibration/ER

* 'B' qualifiers assigned to designate blank contamination, which are identification qualifiers, take precedence over estimating qualifiers, assigned due to quantitation.

Matrix Spike/Matrix Spike Duplicate

Batch QC was performed for the project samples and all QC criteria were met, with the following exceptions:

SDG	Samples Affected	Element/Elements	Validation Qualifier
PK610601	FV0001, FV0002, FV0003, FV0004, FV0006	Antimony	UJ
PK610602	FV1001, FV1002, FV1003, FV1004	Antimony, Chromium, Manganese, Lead, Cadmium, Barium	UJ/J
PK610604	FV0007, FV0008, FV0009, FV0010	Antimony, Silver	UJ

Laboratory Control Sample

All QC criteria were met for the LCS associated with the project sample analyses.

Interference Check Sample

All interference check sample percent recoveries, where applicable, were acceptable.

Inductively Coupled Plasma Serial Dilutions

All QC criteria were met with the following exceptions:

SDG	Samples Affected	Element/Elements	Validation Qualifier
PK610601	FV0001, FV0002, FV0003, FV0004, FV0006	Zinc	J
PK610602	FV1001, FV1002, FV1003, FV1004	Zinc	J
PK610602	FV1003, FV1004	Potassium	J
PK610604	FV0007, FV0008, FV0009, FV0010	Manganese, Magnesium, Zinc	J

Field Duplicates

Original and FD results were evaluated and the following exceeded the 35 percent relative percent difference (RPD) criteria for waters or 50 percent RPD criteria for soils.

SDG	Samples Affected	Element/Elements	Validation Qualifier
PK610601	FV0003 (original), FV0004 (duplicate)	Copper	J
PK610603	FV2001 (original), FV2002 (duplicate)	Sodium	J

Note: High RPDs are most likely due to matrix interferences and/or sample nonhomogeneity

Sample Quantitation

Results quantified between the instrument detection limit and the RL ('B'flagged by the laboratory) were qualified as estimated ('J').

4.8 Wet Chemistry - Total Organic Carbon by SW846-9060

Overall, the data are of good quality and are usable as reported by the laboratory with the exceptions noted below. Data were reviewed for the following:

Holding Times

Technical holding time criteria were met for all samples.

Initial and Continuing Calibration

All initial and continuing calibrations associated with the project samples met QC criteria.

Blanks

The 5X rule for contaminants found in the associated equipment rinses and method blanks was applied to all sample results. All were found to be acceptable.

Matrix Spike/Matrix Spike Duplicate

MS/MSD was performed for the project samples and all QC criteria were met with the following exceptions:

SDG	Samples Affected	Analyte/Analytes	Validation Qualifier
PK610602	FV1004	TOC	J

Laboratory Control Sample

All QC criteria were met for the LCS associated with the project sample analyses.

Field Duplicates

Original and field duplicate results were evaluated and no problems were noted.

Quantitation

Results quantified between the MDL and the RL, which the lab qualified as 'J,' were qualified as estimated 'J' unless blank contamination was present or the results were rejected. Results rejected in favor of a preferred result (e.g., due to dilution or reanalysis) were qualified as rejected 'R'.

5.0 Quality Assurance Field Split Sample Data Evaluation

Data from the quality assurance split samples supplied to IT by the USACE were reviewed for comparability to the original and field duplicate results. RPDs were calculated and the results are summarized in this section.

Field Split Data for SDG PK610601

Note: Field Split Laboratory - Specialized Assays, Inc., Nashville, TN

Field Duplicate ID	Original Sample ID	Field Split ID
FV0003	FV0004	FV0005

Comments:

- ***Metals.*** Copper, chromium and nickel had RPD values greater than the QC limits. Calcium, magnesium, potassium and sodium were detected only in the field split (FS). Selenium, barium and mercury were detected in the original and the FD. Differences were attributed to lack of homogeneity in soil samples and FS lab not reporting results below the reporting limit.

- ***Volatiles.*** Volatiles detected in the FS, but not in the original or FD, were 4-isopropyltoluene, n-propylbenzene and 1,2,4-trimethylbenzene. Acetone, a common laboratory contaminant was detected in all three samples, with a high RPD for the FS and FD. Methylene chloride was detected in the original sample and 2-butanone was detected in both the original and the FD.

- ***Semivolatiles.*** No compounds detected in original or FS

Field Split Data for SDG PK610603

Note: Field Split Laboratory - Specialized Assays, Inc., Nashville, TN

Original Sample ID	Field Duplicate ID	Field Split ID
FV2001	FV2002	FV2003

Comments:

- ***Metals.*** The original and FD results are comparable. All results for the original and FD were detected below the RL. The FS result for aluminum was above the QC limits. High RPD values attributed to estimated results detected below the RL.

- ***Volatiles.*** No volatiles were detected in the FD or FS. Acetone, a common laboratory contaminant, was detected below the RL in the original sample.

- ***Semivolatiles.*** No semivolatiles detected in the three samples.

Attachment A:

Data Validation Qualifier Entry Verification Report

Validation Qualifiers

U Not detected. The compound/analyte was analyzed for, but not detected above the associated reporting limit.

J The compound/analyte was positively identified; the reported value is the estimated concentration of the constituent detected in the sample analyzed.

B The concentration reported was detected significantly above the levels reported in the associated equipment rinse samples and/or laboratory method and trip blanks. (5X/10X Rule was applied).

R The reported sample results are rejected due to the following:

1. Severe deficiencies in the supporting quality control data.
2. Anomalies noted in the sampling and/or analysis process which could affect the validity of the reported data.
3. The presence or absence of the constituent cannot be verified based on the data provided.
4. To indicate not to use a particular result in the event of a reanalysis.

UJ The compound/analyte was analyzed for, but not detected above the established reporting limit. However, review and evaluation of supporting QC data and/or sampling and analysis process have indicated that the 'non-detect' maybe inaccurate or imprecise. The non-detect result should be estimated.

Validation Reason Code Definitions

Reason Code	Description
01	Sample received outside of 4+/-2 degrees Celsius
01A	Improper sample preservation
02	Holding Time Exceeded
02A	Extraction
02B	Analysis
03	Instrument Performance - Outside Criteria
03A	BFB
03B	DFTPP
03C	DDT and/or Endrin % breakdown exceeds criteria
03D	retention time windows
03E	Resolution
04	Initial calibration results outside specified criteria
04A	Compound mean RRF QC criteria not met
04B	Individual % RSD criteria not met
04C	Correlation coefficient <0.995
05	Continuing calibration results outside specified criteria
05A	Compound mean RRF QC criteria not met
05B	Compound % D QC criteria not met
06	Result qualified as a result of the 5x/10x blank correction
06A	Method or preparation blank
06B	ICB or CCB
06C	ER
06D	TB
06E	FB
07	Surrogate recoveries outside control limits
07A	Sample
07B	Associated method blank or LCS
08	MS/MSD/Duplicate results outside criteria
08A	MS and/or MSD recovery not within control limits (accuracy)
08B	% RPD outside acceptance criteria (precision)
09	Post digestion spike outside criteria (GFAA)
10	Internal standards outside specified control limits

Validation Reason Code Definitions

Reason Code	Description
10A	Recovery
10B	Retention Time
11	Laboratory control sample recoveries outside specified control limits
11A	Recovery
11B	% RPD (if run in duplicate)
12	Interference check standard
13	Serial dilution
14	Tentatively identified compounds
15	Quantitation
16	Multiple results available; alternate analysis preferred
17	Field duplicate RPD criteria is exceeded
18	Percent difference between original and second column exceeds QC criteria
19	Professional judgement was used to qualify the data
20	Pesticide clean-up checks
21	Target compound identification
22	Radiological calibration
23	Radiological quantitation
24	Reported result and/or lab qualifier revised to reflect validation findings

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: November 17, 2000

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0001	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CN6HPS	00:00
	SW6010	SW3050	N	0	1	ARSENIC	1.9	mg/kg		Y	Y	P						CN6HPS	22:44
						LEAD	50.1	mg/kg		Y	Y	P						CN6HPS	22:44
						SELENIUM	0.88	mg/kg		Y	Y	P						CN6HPS	22:44
						THALLIUM	1.1	mg/kg	U	N	Y	U	U					CN6HPS	22:44
	SW6010	SW3050	N	1	1	ALUMINUM	5450	mg/kg		Y	Y	P						CN6HPS	19:28
						ANTIMONY	6.4	mg/kg	U	N	Y	U	UJ	08A				CN6HPS	19:28
						BARIUM	32.0	mg/kg		Y	Y	P						CN6HPS	19:28
						BERYLLIUM	0.53	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						CADMIUM	0.53	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						CALCIUM	533	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						CHROMIUM	12.3	mg/kg		Y	Y	P						CN6HPS	19:28
						COBALT	5.3	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						COPPER	5.5	mg/kg		Y	Y	P						CN6HPS	19:28
						IRON	8050	mg/kg		Y	Y	P						CN6HPS	19:28
						MAGNESIUM	533	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						MANGANESE	78.5	mg/kg		Y	Y	P						CN6HPS	19:28
						NICKEL	4.3	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						POTASSIUM	533	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						SILVER	1.1	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						SODIUM	533	mg/kg	U	N	Y	U	U					CN6HPS	19:28
						VANADIUM	7.4	mg/kg		Y	Y	P						CN6HPS	19:28
						ZINC	44.8	mg/kg		Y	Y	P	J	13				CN6HPS	19:28
	SW7471	TOTAL	N	0	1	MERCURY	0.035	mg/kg	U	N	Y	U	U					CN6HPS	18:47
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,1,1-TRICHLOROETHANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,1,2,2-TETRACHLOROETHANE	.0053	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,1,2-TRICHLOROETHANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,1-DICHLOROETHANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,1-DICHLOROETHENE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,1-DICHLOROPROPENE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,2,3-TRICHLOROBENZENE	.0053	mg/kg	U	N	Y	U	UJ	05B	10A			CN6HPS	17:30
						1,2,3-TRICHLOROPROPANE	.0053	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,2,4-TRICHLOROBENZENE	.0053	mg/kg	U	N	Y	U	UJ	05B	10A			CN6HPS	17:30
						1,2,4-TRIMETHYLBENZENE	.0053	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,2-DIBROMO-3-CHLOROPROPANE	.011	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,2-DIBROMOETHANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,2-DICHLOROBENZENE	.0053	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,2-DICHLOROETHANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,2-DICHLOROPROPANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30
						1,3,5-TRIMETHYLBENZENE	.0053	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,3-DICHLOROBENZENE	.0053	mg/kg	U	N	Y	U	UJ	10A				CN6HPS	17:30
						1,3-DICHLOROPROPANE	.0053	mg/kg	U	N	Y	U	U					CN6HPS	17:30

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0001	SW8260	SW5030	N 0 1	1,4-DICHLOROBENZENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				2,2-DICHLOROPROPANE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				2-BUTANONE	.0064	mg/kg	J	Y Y F	B	04A	05A	06C	15	CN6HPS	17:30
				2-CHLOROTOLUENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				2-HEXANONE	.021	mg/kg	U	N Y U	U					CN6HPS	17:30
				4-CHLOROTOLUENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				4-METHYL-2-PENTANONE	.021	mg/kg	U	N Y U	U					CN6HPS	17:30
				ACETONE	.093	mg/kg		Y Y P	J	04A	05A			CN6HPS	17:30
				BENZENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				BROMOBENZENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				BROMOCHLOROMETHANE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				BROMODICHLOROMETHANE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				BROMOFORM	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				BROMOMETHANE	.011	mg/kg	U	N Y U	R	04A	04B	05A		CN6HPS	17:30
				CARBON DISULFIDE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				CARBON TETRACHLORIDE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				CHLOROBENZENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				CHLORODIBROMOMETHANE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				CHLOROETHANE	.011	mg/kg	U	N Y U	U					CN6HPS	17:30
				CHLOROFORM	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				CHLOROMETHANE	.011	mg/kg	U	N Y U	U					CN6HPS	17:30
				CIS-1,2-DICHLOROETHENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				CIS-1,3-DICHLOROPROPENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				DIBROMOMETHANE	.0053	mg/kg	U	N Y U	R	04A	05A			CN6HPS	17:30
				DICHLORODIFLUOROMETHANE	.011	mg/kg	U	N Y U	U					CN6HPS	17:30
				ETHYLBENZENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				HEXACHLOROBUTADIENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				ISOPROPYLBENZENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				M-XYLENE & P-XYLENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				METHYLENE CHLORIDE	.005	mg/kg	J B	Y Y F	B	04B	06A	15		CN6HPS	17:30
				N-BUTYLBENZENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				N-PROPYLBENZENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				NAPHTHALENE	.0025	mg/kg	J	Y Y P	J	05B	10A	15		CN6HPS	17:30
				O-XYLENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				P-ISOPROPYLTOLUENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				SEC-BUTYLBENZENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				STYRENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				TERT-BUTYLBENZENE	.0053	mg/kg	U	N Y U	UJ	10A				CN6HPS	17:30
				TETRACHLOROETHENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				TOLUENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				TRANS-1,2-DICHLOROETHENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				TRANS-1,3-DICHLOROPROPENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				TRICHLOROETHENE	.0053	mg/kg	U	N Y U	U					CN6HPS	17:30
				TRICHLOROFLUOROMETHANE	.011	mg/kg	U	N Y U	U					CN6HPS	17:30

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: November 17, 2000

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0001	SW8260	SW5030	N 0 1	VINYL CHLORIDE	.011	mg/kg	U	N Y U	U					CN6HPS	17:30
	SW8270	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				1,2-DICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				1,3-DICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				1,4-DICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,2'-OXYBIS(1-CHLOROPROPANE)	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,4,5-TRICHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,4,6-TRICHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,4-DICHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,4-DIMETHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,4-DINITROPHENOL	1.7	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,4-DINITROTOLUENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2,6-DINITROTOLUENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2-CHLORONAPHTHALENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2-CHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2-METHYLNAPHTHALENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2-METHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				2-NITROANILINE	1.7	mg/kg	U	N Y U	UJ	05B				CN6HPS	07:00
				2-NITROPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				3,3'-DICHLOROBENZIDINE	1.7	mg/kg	U	N Y U	UJ	05B				CN6HPS	07:00
				3-NITROANILINE	1.7	mg/kg	U	N Y U	U					CN6HPS	07:00
				4,6-DINITRO-2-METHYLPHENOL	1.7	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-BROMOPHENYL PHENYL ETHER	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-CHLORO-3-METHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-CHLOROANILINE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-CHLOROPHENYL PHENYL ETHER	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-METHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-NITROANILINE	1.7	mg/kg	U	N Y U	U					CN6HPS	07:00
				4-NITROPHENOL	1.7	mg/kg	U	N Y U	UJ	05B				CN6HPS	07:00
				ACENAPHTHENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				ACENAPHTHYLENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				ANTHRACENE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				BENZ(A)ANTHRACENE	.07	mg/kg	J	Y Y P	J	15				CN6HPS	07:00
				BENZO(A)PYRENE	.059	mg/kg	J	Y Y P	J	15				CN6HPS	07:00
				BENZO(B)FLUORANTHENE	.06	mg/kg	J	Y Y P	J	15				CN6HPS	07:00
				BENZO(GHI)PERYLENE	.04	mg/kg	J	Y Y P	J	15				CN6HPS	07:00
				BENZO(K)FLUORANTHENE	.075	mg/kg	J	Y Y P	J	15				CN6HPS	07:00
				BIS(2-CHLOROETHOXY)METHANE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				BIS(2-CHLOROETHYL) ETHER	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				BIS(2-ETHYLHEXYL) PHTHALATE	.35	mg/kg	U	N Y U	UJ	05B				CN6HPS	07:00
				BUTYL BENZYL PHTHALATE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				CARBAZOLE	.35	mg/kg	U	N Y U	U					CN6HPS	07:00
				CHRYSENE	.079	mg/kg	J	Y Y P	J	15				CN6HPS	07:00

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0001	SW8270	SW3550	N	0	1	DI-N-BUTYL PHTHALATE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						DI-N-OCTYL PHTHALATE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						DIBENZ(A,H)ANTHRACENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						DIBENZOFURAN	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						DIETHYL PHTHALATE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						DIMETHYL PHTHALATE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						FLUORANTHENE	.1	mg/kg	J	Y	Y	P	J	15				CN6HPS	07:00
						FLUORENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						HEXACHLOROBENZENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						HEXACHLOROBUTADIENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						HEXACHLOROCYCLOPENTADIENE	1.7	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						HEXACHLOROETHANE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						INDENO(1,2,3-CD)PYRENE	.037	mg/kg	J	Y	Y	P	J	15				CN6HPS	07:00
						ISOPHORONE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						N-NITROSODI-N-PROPYLAMINE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						N-NITROSODIPHENYLAMINE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						NAPHTHALENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						NITROBENZENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						PENTACHLOROPHENOL	.14	mg/kg	J	Y	Y	P	J	15				CN6HPS	07:00
						PHENANTHRENE	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						PHENOL	.35	mg/kg	U	N	Y	U	U					CN6HPS	07:00
						PYRENE	.078	mg/kg	J	Y	Y	P	J	15				CN6HPS	07:00
FV0002	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CN6JHS	00:00
	SW6010	SW3050	N	0	1	ARSENIC	1.8	mg/kg		Y	Y	P						CN6JHS	22:49
						LEAD	5.4	mg/kg		Y	Y	P						CN6JHS	22:49
						SELENIUM	0.59	mg/kg		Y	Y	P						CN6JHS	22:49
						THALLIUM	1.0	mg/kg	U	N	Y	U	U					CN6JHS	22:49
	SW6010	SW3050	N	1	1	ALUMINUM	5160	mg/kg		Y	Y	P						CN6JHS	19:33
						ANTIMONY	6.3	mg/kg	U	N	Y	U	UJ	08A				CN6JHS	19:33
						BARIUM	24.8	mg/kg		Y	Y	P						CN6JHS	19:33
						BERYLLIUM	0.52	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						CADMIUM	0.52	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						CALCIUM	524	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						CHROMIUM	9.3	mg/kg		Y	Y	P						CN6JHS	19:33
						COBALT	5.2	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						COPPER	5.9	mg/kg		Y	Y	P						CN6JHS	19:33
						IRON	9810	mg/kg		Y	Y	P						CN6JHS	19:33
						MAGNESIUM	524	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						MANGANESE	27.6	mg/kg		Y	Y	P						CN6JHS	19:33
						NICKEL	4.2	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						POTASSIUM	524	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						SILVER	1.0	mg/kg	U	N	Y	U	U					CN6JHS	19:33
						SODIUM	524	mg/kg	U	N	Y	U	U					CN6JHS	19:33

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: November 17, 2000

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0002	SW6010	SW3050	N	1	1	VANADIUM	7.8	mg/kg		Y	Y	P						CN6JHS	19:33
						ZINC	12.8	mg/kg		Y	Y	P	J	13				CN6JHS	19:33
	SW7471	TOTAL	N	0	1	MERCURY	0.035	mg/kg	U	N	Y	U	U					CN6JHS	18:49
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,1,1-TRICHLOROETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,1,2,2-TETRACHLOROETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,1,2-TRICHLOROETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,1-DICHLOROETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,1-DICHLOROETHENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,1-DICHLOROPROPENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2,3-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y	U	UJ	05B				CN6JHS	17:05
						1,2,3-TRICHLOROPROPANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2,4-TRICHLOROBENZENE	.0052	mg/kg	U	N	Y	U	UJ	05B				CN6JHS	17:05
						1,2,4-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2-DIBROMO-3-CHLOROPROPANE	.01	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2-DIBROMOETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2-DICHLOROBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2-DICHLOROETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,3,5-TRIMETHYLBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,3-DICHLOROBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,3-DICHLOROPROPANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						1,4-DICHLOROBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						2,2-DICHLOROPROPANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						2-BUTANONE	.021	mg/kg	U	N	Y	U	R	04A	05A			CN6JHS	17:05
						2-CHLOROTOLUENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						2-HEXANONE	.021	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						4-CHLOROTOLUENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						4-METHYL-2-PENTANONE	.021	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						ACETONE	.15	mg/kg		Y	Y	P	J	04A	05A			CN6JHS	17:05
						BENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						BROMOBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						BROMOCHLOROMETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						BROMODICHLOROMETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						BROMOFORM	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						BROMOMETHANE	.0024	mg/kg	J	Y	Y	P	J	04A	04B	05A	15	CN6JHS	17:05
						CARBON DISULFIDE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						CARBON TETRACHLORIDE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						CHLOROBENZENE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						CHLORODIBROMOMETHANE	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						CHLOROETHANE	.01	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						CHLOROFORM	.0052	mg/kg	U	N	Y	U	U					CN6JHS	17:05
						CHLOROMETHANE	.01	mg/kg	U	N	Y	U	U					CN6JHS	17:05

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0002	SW8260	SW5030	N 0 1	CIS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				CIS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				DIBROMOMETHANE	.0052	mg/kg	U	N Y U	R	04A	05A			CN6JHS	17:05
				DICHLORODIFLUOROMETHANE	.01	mg/kg	U	N Y U	U					CN6JHS	17:05
				ETHYLBENZENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				HEXACHLOROBUTADIENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				ISOPROPYLBENZENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				M-XYLENE & P-XYLENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				METHYLENE CHLORIDE	.0055	mg/kg	B	Y Y F	B	04B	06A			CN6JHS	17:05
				N-BUTYLBENZENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				N-PROPYLBENZENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				NAPHTHALENE	.0052	mg/kg	U	N Y U	UJ	05B				CN6JHS	17:05
				O-XYLENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				P-ISOPROPYLTOLUENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				SEC-BUTYLBENZENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				STYRENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TERT-BUTYLBENZENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TETRACHLOROETHENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TOLUENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TRANS-1,2-DICHLOROETHENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TRANS-1,3-DICHLOROPROPENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TRICHLOROETHENE	.0052	mg/kg	U	N Y U	U					CN6JHS	17:05
				TRICHLOROFLUOROMETHANE	.01	mg/kg	U	N Y U	U					CN6JHS	17:05
				VINYL CHLORIDE	.01	mg/kg	U	N Y U	U					CN6JHS	17:05
	SW8270	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				1,2-DICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				1,3-DICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				1,4-DICHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,2'-OXYBIS(1-CHLOROPROPANE)	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,4,5-TRICHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,4,6-TRICHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,4-DICHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,4-DIMETHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,4-DINITROPHENOL	1.7	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,4-DINITROTOLUENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2,6-DINITROTOLUENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2-CHLORONAPHTHALENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2-CHLOROPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2-METHYLNAPHTHALENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2-METHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				2-NITROANILINE	1.7	mg/kg	U	N Y U	UJ	05B				CN6JHS	07:41
				2-NITROPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				3,3'-DICHLOROBENZIDINE	1.7	mg/kg	U	N Y U	UJ	05B				CN6JHS	07:41

Validation Qualifier Data Entry Verification

Fort McClellan

Run Date: November 17, 2000

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0002	SW8270	SW3550	N 0 1	3-NITROANILINE	1.7	mg/kg	U	N Y U	U					CN6JHS	07:41
				4,6-DINITRO-2-METHYLPHENOL	1.7	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-BROMOPHENYL PHENYL ETHER	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-CHLORO-3-METHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-CHLOROANILINE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-CHLOROPHENYL PHENYL ETHER	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-METHYLPHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-NITROANILINE	1.7	mg/kg	U	N Y U	U					CN6JHS	07:41
				4-NITROPHENOL	1.7	mg/kg	U	N Y U	UJ	05B				CN6JHS	07:41
				ACENAPHTHENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				ACENAPHTHYLENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				ANTHRACENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BENZ(A)ANTHRACENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BENZO(A)PYRENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BENZO(B)FLUORANTHENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BENZO(GHI)PERYLENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BENZO(K)FLUORANTHENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BIS(2-CHLOROETHOXY)METHANE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BIS(2-CHLOROETHYL) ETHER	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				BIS(2-ETHYLHEXYL) PHTHALATE	.35	mg/kg	U	N Y U	UJ	05B				CN6JHS	07:41
				BUTYL BENZYL PHTHALATE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				CARBAZOLE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				CHRYSENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				DI-N-BUTYL PHTHALATE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				DI-N-OCTYL PHTHALATE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				DIBENZ(A,H)ANTHRACENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				DIBENZOFURAN	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				DIETHYL PHTHALATE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				DIMETHYL PHTHALATE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				FLUORANTHENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				FLUORENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				HEXACHLOROBENZENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				HEXACHLOROBUTADIENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				HEXACHLOROCYCLOPENTADIENE	1.7	mg/kg	U	N Y U	U					CN6JHS	07:41
				HEXACHLOROETHANE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				INDENO(1,2,3-CD)PYRENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				ISOPHORONE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				N-NITROSODI-N-PROPYLAMINE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				N-NITROSODIPHENYLAMINE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				NAPHTHALENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				NITROBENZENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				PENTACHLOROPHENOL	1.7	mg/kg	U	N Y U	U					CN6JHS	07:41
				PHENANTHRENE	.35	mg/kg	U	N Y U	U					CN6JHS	07:41
				PHENOL	.35	mg/kg	U	N Y U	U					CN6JHS	07:41

Validation Qualifier Data Entry Verification
Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0002	SW8270	SW3550	N	0	1	PYRENE	.35	mg/kg	U	N	Y	U	U					CN6JHS	07:41
FV0003	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CN6JTS	00:00
	SW6010	SW3050	N	0	1	ARSENIC	2.7	mg/kg		Y	Y	P						CN6JTS	23:22
						LEAD	19.0	mg/kg		Y	Y	P						CN6JTS	23:22
						SELENIUM	1.0	mg/kg		Y	Y	P						CN6JTS	23:22
						THALLIUM	1.1	mg/kg	U	N	Y	U	U					CN6JTS	23:22
	SW6010	SW3050	N	1	1	ALUMINUM	8100	mg/kg		Y	Y	P						CN6JTS	19:52
						ANTIMONY	6.6	mg/kg	U	N	Y	U	UJ	08A				CN6JTS	19:52
						BARIUM	46.3	mg/kg		Y	Y	P						CN6JTS	19:52
						BERYLLIUM	0.93	mg/kg		Y	Y	P						CN6JTS	19:52
						CADMIUM	0.55	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						CALCIUM	554	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						CHROMIUM	13.9	mg/kg		Y	Y	P						CN6JTS	19:52
						COBALT	5.5	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						COPPER	20.4	mg/kg		Y	Y	P	J	17				CN6JTS	19:52
						IRON	12700	mg/kg		Y	Y	P						CN6JTS	19:52
						MAGNESIUM	554	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						MANGANESE	85.1	mg/kg		Y	Y	P						CN6JTS	19:52
						NICKEL	4.5	mg/kg		Y	Y	P						CN6JTS	19:52
						POTASSIUM	554	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						SILVER	1.1	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						SODIUM	554	mg/kg	U	N	Y	U	U					CN6JTS	19:52
						VANADIUM	8.2	mg/kg		Y	Y	P						CN6JTS	19:52
						ZINC	18.2	mg/kg		Y	Y	P	J	13				CN6JTS	19:52
	SW7471	TOTAL	N	0	1	MERCURY	0.057	mg/kg		Y	Y	P						CN6JTS	18:56
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,1,1-TRICHLOROETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,1,2,2-TETRACHLOROETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,1,2-TRICHLOROETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,1-DICHLOROETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,1-DICHLOROETHENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,1-DICHLOROPROPENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2,3-TRICHLOROBENZENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2,3-TRICHLOROPROPANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2,4-TRICHLOROBENZENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2,4-TRIMETHYLBENZENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2-DIBROMO-3-CHLOROPROPANE	.011	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2-DIBROMOETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2-DICHLOROBENZENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2-DICHLOROETHANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,2-DICHLOROPROPANE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,3,5-TRIMETHYLBENZENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						1,3-DICHLOROBENZENE	.0055	mg/kg	U	N	N	U	R	16				CN6JTS	17:55

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0003	SW8260	SW5030	N 0 1	1,3-DICHLOROPROPANE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				1,4-DICHLOROBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				2,2-DICHLOROPROPANE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				2-BUTANONE	.011	mg/kg	J	Y N P	R	16				CN6JTS	17:55
				2-CHLOROTOLUENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				2-HEXANONE	.022	mg/kg	U	N N U	R	16				CN6JTS	17:55
				4-CHLOROTOLUENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				4-METHYL-2-PENTANONE	.022	mg/kg	U	N N U	R	16				CN6JTS	17:55
				ACETONE	.19	mg/kg		Y N P	R	16				CN6JTS	17:55
				BENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				BROMOBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				BROMOCHLOROMETHANE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				BROMODICHLOROMETHANE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				BROMOFORM	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				BROMOMETHANE	.011	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CARBON DISULFIDE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CARBON TETRACHLORIDE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CHLOROBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CHLORODIBROMOMETHANE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CHLOROETHANE	.011	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CHLOROFORM	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CHLOROMETHANE	.011	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CIS-1,2-DICHLOROETHENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				CIS-1,3-DICHLOROPROPENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				DIBROMOMETHANE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				DICHLORODIFLUOROMETHANE	.011	mg/kg	U	N N U	R	16				CN6JTS	17:55
				ETHYLBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				HEXACHLOROBUTADIENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				ISOPROPYLBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				M-XYLENE & P-XYLENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				METHYLENE CHLORIDE	.0091	mg/kg	B	Y N F	R	16				CN6JTS	17:55
				N-BUTYLBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				N-PROPYLBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				NAPHTHALENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				O-XYLENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				P-ISOPROPYLTOLUENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				SEC-BUTYLBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				STYRENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				TERT-BUTYLBENZENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				TETRACHLOROETHENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				TOLUENE	.0024	mg/kg	J	Y N P	R	16				CN6JTS	17:55
				TRANS-1,2-DICHLOROETHENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				TRANS-1,3-DICHLOROPROPENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55
				TRICHLOROETHENE	.0055	mg/kg	U	N N U	R	16				CN6JTS	17:55

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0003	SW8260	SW5030	N	0	1	TRICHLOROFLUOROMETHANE	.011	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
						VINYL CHLORIDE	.011	mg/kg	U	N	N	U	R	16				CN6JTS	17:55
	SW8260	SW5030	N	1	1	1,1,1,2-TETRACHLOROETHANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,1,1-TRICHLOROETHANE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						1,1,2,2-TETRACHLOROETHANE	.004	mg/kg	J	Y	Y	P	J	07A	10A	15		CN6JTS	00:33
						1,1,2-TRICHLOROETHANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,1-DICHLOROETHANE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						1,1-DICHLOROETHENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						1,1-DICHLOROPROPENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						1,2,3-TRICHLOROBENZENE	.0055	mg/kg	U	N	Y	U	UJ	05B	10A			CN6JTS	00:33
						1,2,3-TRICHLOROPROPANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,2,4-TRICHLOROBENZENE	.0055	mg/kg	U	N	Y	U	UJ	05B	10A			CN6JTS	00:33
						1,2,4-TRIMETHYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,2-DIBROMO-3-CHLOROPROPANE	.011	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,2-DIBROMOETHANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,2-DICHLOROBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,2-DICHLOROETHANE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						1,2-DICHLOROPROPANE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						1,3,5-TRIMETHYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,3-DICHLOROBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,3-DICHLOROPROPANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						1,4-DICHLOROBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						2,2-DICHLOROPROPANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						2-BUTANONE	.0062	mg/kg	J	Y	Y	F	B	04A	05A	06C	07A	CN6JTS	00:33
						2-CHLOROTOLUENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						2-HEXANONE	.022	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						4-CHLOROTOLUENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						4-METHYL-2-PENTANONE	.0037	mg/kg	J	Y	Y	P	J	07A	10A	15		CN6JTS	00:33
						ACETONE	.095	mg/kg		Y	Y	P	J	04A	05A			CN6JTS	00:33
						BENZENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						BROMOBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						BROMOCHLOROMETHANE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						BROMODICHLOROMETHANE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						BROMOFORM	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						BROMOMETHANE	.011	mg/kg	U	N	Y	U	R	04A	04B	05A		CN6JTS	00:33
						CARBON DISULFIDE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						CARBON TETRACHLORIDE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						CHLOROBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						CHLORODIBROMOMETHANE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						CHLOROETHANE	.011	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						CHLOROFORM	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						CHLOROMETHANE	.011	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						CIS-1,2-DICHLOROETHENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0003	SW8260	SW5030	N	1	1	CIS-1,3-DICHLOROPROPENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						DIBROMOMETHANE	.0055	mg/kg	U	N	Y	U	R	04A	05A			CN6JTS	00:33
						DICHLORODIFLUOROMETHANE	.011	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						ETHYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						HEXACHLOROBUTADIENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						ISOPROPYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						M-XYLENE & P-XYLENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						METHYLENE CHLORIDE	.005	mg/kg	J B	Y	Y	F	B	04B	06A	07A	15	CN6JTS	00:33
						N-BUTYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						N-PROPYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						NAPHTHALENE	.0055	mg/kg	U	N	Y	U	UJ	05B	10A			CN6JTS	00:33
						O-XYLENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						P-ISOPROPYLTOLUENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						SEC-BUTYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						STYRENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						TERT-BUTYLBENZENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						TETRACHLOROETHENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						TOLUENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						TRANS-1,2-DICHLOROETHENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						TRANS-1,3-DICHLOROPROPENE	.0055	mg/kg	U	N	Y	U	UJ	10A				CN6JTS	00:33
						TRICHLOROETHENE	.0055	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						TRICHLOROFLUOROMETHANE	.011	mg/kg	U	N	Y	U	U					CN6JTS	00:33
						VINYL CHLORIDE	.011	mg/kg	U	N	Y	U	U					CN6JTS	00:33
	SW8270	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						1,2-DICHLOROBENZENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						1,3-DICHLOROBENZENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						1,4-DICHLOROBENZENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,2'-OXYBIS(1-CHLOROPROPANE)	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,4,5-TRICHLOROPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,4,6-TRICHLOROPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,4-DICHLOROPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,4-DIMETHYLPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,4-DINITROPHENOL	1.8	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,4-DINITROTOLUENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2,6-DINITROTOLUENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2-CHLORONAPHTHALENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2-CHLOROPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2-METHYLNAPHTHALENE	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2-METHYLPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						2-NITROANILINE	1.8	mg/kg	U	N	Y	U	UJ	05B				CN6JTS	10:25
						2-NITROPHENOL	.37	mg/kg	U	N	Y	U	U					CN6JTS	10:25
						3,3'-DICHLOROBENZIDINE	1.8	mg/kg	U	N	Y	U	UJ	05B				CN6JTS	10:25
						3-NITROANILINE	1.8	mg/kg	U	N	Y	U	U					CN6JTS	10:25

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0003	SW8270	SW3550	N 0 1	4,6-DINITRO-2-METHYLPHENOL	1.8	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-BROMOPHENYL PHENYL ETHER	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-CHLORO-3-METHYLPHENOL	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-CHLOROANILINE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-CHLOROPHENYL PHENYL ETHER	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-METHYLPHENOL	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-NITROANILINE	1.8	mg/kg	U	N Y U	U					CN6JTS	10:25
				4-NITROPHENOL	1.8	mg/kg	U	N Y U	UJ	05B				CN6JTS	10:25
				ACENAPHTHENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				ACENAPHTHYLENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				ANTHRACENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BENZ(A)ANTHRACENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BENZO(A)PYRENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BENZO(B)FLUORANTHENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BENZO(GHI)PERYLENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BENZO(K)FLUORANTHENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BIS(2-CHLOROETHOXY)METHANE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BIS(2-CHLOROETHYL) ETHER	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				BIS(2-ETHYLHEXYL) PHTHALATE	.37	mg/kg	U	N Y U	UJ	05B				CN6JTS	10:25
				BUTYL BENZYL PHTHALATE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				CARBAZOLE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				CHRYSENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				DI-N-BUTYL PHTHALATE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				DI-N-OCTYL PHTHALATE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				DIBENZ(A,H)ANTHRACENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				DIBENZOFURAN	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				DIETHYL PHTHALATE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				DIMETHYL PHTHALATE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				FLUORANTHENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				FLUORENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				HEXACHLOROBENZENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				HEXACHLOROBUTADIENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				HEXACHLOROCYCLOPENTADIENE	1.8	mg/kg	U	N Y U	U					CN6JTS	10:25
				HEXACHLOROETHANE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				INDENO(1,2,3-CD)PYRENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				ISOPHORONE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				N-NITROSODI-N-PROPYLAMINE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				N-NITROSODIPHENYLAMINE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				NAPHTHALENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				NITROBENZENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				PENTACHLOROPHENOL	1.8	mg/kg	U	N Y U	U					CN6JTS	10:25
				PHENANTHRENE	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				PHENOL	.37	mg/kg	U	N Y U	U					CN6JTS	10:25
				PYRENE	37	mg/kg	U	N Y U	U					CN6JTS	10:25

Validation Qualifier Data Entry Verification
Fort McClellan

Run Date: November 17, 2000

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0004	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y							CN6K1S	00:00
	SW6010	SW3050	N	0	1	ARSENIC	2.2	mg/kg		Y	Y							CN6K1S	23:28
						LEAD	17.9	mg/kg		Y	Y							CN6K1S	23:28
						SELENIUM	0.76	mg/kg		Y	Y							CN6K1S	23:28
						THALLIUM	1.1	mg/kg	U	N	Y		U					CN6K1S	23:28
	SW6010	SW3050	N	1	1	ALUMINUM	8540	mg/kg		Y	Y							CN6K1S	19:57
						ANTIMONY	6.7	mg/kg	U	N	Y		UJ	08A				CN6K1S	19:57
						BARIUM	47.0	mg/kg		Y	Y							CN6K1S	19:57
						BERYLLIUM	0.87	mg/kg		Y	Y							CN6K1S	19:57
						CADMIUM	0.56	mg/kg	U	N	Y		U					CN6K1S	19:57
						CALCIUM	557	mg/kg	U	N	Y		U					CN6K1S	19:57
						CHROMIUM	10.7	mg/kg		Y	Y							CN6K1S	19:57
						COBALT	5.6	mg/kg	U	N	Y		U					CN6K1S	19:57
						COPPER	11.5	mg/kg		Y	Y		J	17				CN6K1S	19:57
						IRON	10600	mg/kg		Y	Y							CN6K1S	19:57
						MAGNESIUM	557	mg/kg	U	N	Y		U					CN6K1S	19:57
						MANGANESE	91.9	mg/kg		Y	Y							CN6K1S	19:57
						NICKEL	4.5	mg/kg	U	N	Y		U					CN6K1S	19:57
						POTASSIUM	557	mg/kg	U	N	Y		U					CN6K1S	19:57
						SILVER	1.1	mg/kg	U	N	Y		U					CN6K1S	19:57
						SODIUM	557	mg/kg	U	N	Y		U					CN6K1S	19:57
						VANADIUM	9.3	mg/kg		Y	Y							CN6K1S	19:57
						ZINC	18.9	mg/kg		Y	Y		J	13				CN6K1S	19:57
	SW7471	TOTAL	N	0	1	MERCURY	0.057	mg/kg		Y	Y							CN6K1S	18:59
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,1,1-TRICHLOROETHANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,1,2,2-TETRACHLOROETHANE	.0056	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,1,2-TRICHLOROETHANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,1-DICHLOROETHANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,1-DICHLOROETHENE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,1-DICHLOROPROPENE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,2,3-TRICHLOROBENZENE	.0056	mg/kg	U	N	Y		UJ	05B	10A			CN6K1S	18:20
						1,2,3-TRICHLOROPROPANE	.0056	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,2,4-TRICHLOROBENZENE	.0056	mg/kg	U	N	Y		UJ	05B	10A			CN6K1S	18:20
						1,2,4-TRIMETHYLBENZENE	.0056	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,2-DIBROMO-3-CHLOROPROPANE	.011	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,2-DIBROMOETHANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,2-DICHLOROBENZENE	.0056	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,2-DICHLOROETHANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,2-DICHLOROPROPANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20
						1,3,5-TRIMETHYLBENZENE	.0056	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,3-DICHLOROBENZENE	.0056	mg/kg	U	N	Y		UJ	10A				CN6K1S	18:20
						1,3-DICHLOROPROPANE	.0056	mg/kg	U	N	Y		U					CN6K1S	18:20

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0004	SW8260	SW5030	N 0 1	1,4-DICHLOROBENZENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				2,2-DICHLOROPROPANE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				2-BUTANONE	.0046	mg/kg	J	Y Y	B	04A	05A	06C	15	CN6K1S	18:20
				2-CHLOROTOLUENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				2-HEXANONE	.022	mg/kg	U	N Y	U					CN6K1S	18:20
				4-CHLOROTOLUENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				4-METHYL-2-PENTANONE	.022	mg/kg	U	N Y	U					CN6K1S	18:20
				ACETONE	.078	mg/kg		Y Y	J	04A	05A			CN6K1S	18:20
				BENZENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				BROMOBENZENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				BROMOCHLOROMETHANE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				BROMODICHLOROMETHANE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				BROMOFORM	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				BROMOMETHANE	.011	mg/kg	U	N Y	R	04A	04B	05A		CN6K1S	18:20
				CARBON DISULFIDE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				CARBON TETRACHLORIDE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				CHLOROBENZENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				CHLORODIBROMOMETHANE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				CHLOROETHANE	.011	mg/kg	U	N Y	U					CN6K1S	18:20
				CHLOROFORM	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				CHLOROMETHANE	.011	mg/kg	U	N Y	U					CN6K1S	18:20
				CIS-1,2-DICHLOROETHENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				CIS-1,3-DICHLOROPROPENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				DIBROMOMETHANE	.0056	mg/kg	U	N Y	R	04A	05A			CN6K1S	18:20
				DICHLORODIFLUOROMETHANE	.011	mg/kg	U	N Y	U					CN6K1S	18:20
				ETHYLBENZENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				HEXACHLOROBUTADIENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				ISOPROPYLBENZENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				M-XYLENE & P-XYLENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				METHYLENE CHLORIDE	.0049	mg/kg	J B	Y Y	B	04B	06A	15		CN6K1S	18:20
				N-BUTYLBENZENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				N-PROPYLBENZENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				NAPHTHALENE	.0056	mg/kg	U	N Y	UJ	05B	10A			CN6K1S	18:20
				O-XYLENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				P-ISOPROPYLTOLUENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				SEC-BUTYLBENZENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				STYRENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				TERT-BUTYLBENZENE	.0056	mg/kg	U	N Y	UJ	10A				CN6K1S	18:20
				TETRACHLOROETHENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				TOLUENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				TRANS-1,2-DICHLOROETHENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				TRANS-1,3-DICHLOROPROPENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				TRICHLOROETHENE	.0056	mg/kg	U	N Y	U					CN6K1S	18:20
				TRICHLOROFLUOROMETHANE	011	mg/kg	U	N Y	U					CN6K1S	18:20

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0004	SW8260	SW5030	N	0	1	VINYL CHLORIDE	.011	mg/kg	U	N	Y		U					CN6K1S	18:20
	SW8270	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						1,2-DICHLOROBENZENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						1,3-DICHLOROBENZENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						1,4-DICHLOROBENZENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,2'-OXYBIS(1-CHLOROPROPANE)	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,4,5-TRICHLOROPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,4,6-TRICHLOROPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,4-DICHLOROPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,4-DIMETHYLPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,4-DINITROPHENOL	1.8	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,4-DINITROTOLUENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2,6-DINITROTOLUENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2-CHLORONAPHTHALENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2-CHLOROPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2-METHYLNAPHTHALENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2-METHYLPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						2-NITROANILINE	1.8	mg/kg	U	N	Y		UJ	05B				CN6K1S	11:05
						2-NITROPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						3,3'-DICHLOROBENZIDINE	1.8	mg/kg	U	N	Y		UJ	05B				CN6K1S	11:05
						3-NITROANILINE	1.8	mg/kg	U	N	Y		U					CN6K1S	11:05
						4,6-DINITRO-2-METHYLPHENOL	1.8	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-BROMOPHENYL PHENYL ETHER	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-CHLORO-3-METHYLPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-CHLOROANILINE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-CHLOROPHENYL PHENYL ETHER	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-METHYLPHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-NITROANILINE	1.8	mg/kg	U	N	Y		U					CN6K1S	11:05
						4-NITROPHENOL	1.8	mg/kg	U	N	Y		UJ	05B				CN6K1S	11:05
						ACENAPHTHENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						ACENAPHTHYLENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						ANTHRACENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BENZ(A)ANTHRACENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BENZO(A)PYRENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BENZO(B)FLUORANTHENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BENZO(GHI)PERYLENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BENZO(K)FLUORANTHENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BIS(2-CHLOROETHOXY)METHANE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BIS(2-CHLOROETHYL) ETHER	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						BIS(2-ETHYLHEXYL) PHTHALATE	.37	mg/kg	U	N	Y		UJ	05B				CN6K1S	11:05
						BUTYL BENZYL PHTHALATE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						CARBAZOLE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						CHRYSENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0004	SW8270	SW3550	N	0	1	DI-N-BUTYL PHTHALATE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						DI-N-OCTYL PHTHALATE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						DIBENZ(A,H)ANTHRACENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						DIBENZOFURAN	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						DIETHYL PHTHALATE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						DIMETHYL PHTHALATE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						FLUORANTHENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						FLUORENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						HEXACHLOROBENZENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						HEXACHLOROBUTADIENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						HEXACHLOROCYCLOPENTADIENE	1.8	mg/kg	U	N	Y		U					CN6K1S	11:05
						HEXACHLOROETHANE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						INDENO(1,2,3-CD)PYRENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						ISOPHORONE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						N-NITROSODI-N-PROPYLAMINE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						N-NITROSODIPHENYLAMINE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						NAPHTHALENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						NITROBENZENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						PENTACHLOROPHENOL	1.8	mg/kg	U	N	Y		U					CN6K1S	11:05
						PHENANTHRENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						PHENOL	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
						PYRENE	.37	mg/kg	U	N	Y		U					CN6K1S	11:05
FV0006	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CN6K8S	00:00
	SW6010	SW3050	N	0	1	ARSENIC	2.9	mg/kg		Y	Y	P						CN6K8S	23:34
						LEAD	9.0	mg/kg		Y	Y	P						CN6K8S	23:34
						SELENIUM	0.58	mg/kg	U	N	Y	U	U					CN6K8S	23:34
						THALLIUM	1.2	mg/kg	U	N	Y	U	U					CN6K8S	23:34
	SW6010	SW3050	N	1	1	ALUMINUM	6340	mg/kg		Y	Y	P						CN6K8S	20:02
						ANTIMONY	6.9	mg/kg	U	N	Y	U	UJ	08A				CN6K8S	20:02
						BARIUM	70.4	mg/kg		Y	Y	P						CN6K8S	20:02
						BERYLLIUM	1.9	mg/kg		Y	Y	P						CN6K8S	20:02
						CADMIUM	0.58	mg/kg	U	N	Y	U	U					CN6K8S	20:02
						CALCIUM	577	mg/kg	U	N	Y	U	U					CN6K8S	20:02
						CHROMIUM	12.9	mg/kg		Y	Y	P						CN6K8S	20:02
						COBALT	19.4	mg/kg		Y	Y	P						CN6K8S	20:02
						COPPER	52.5	mg/kg		Y	Y	P						CN6K8S	20:02
						IRON	17400	mg/kg		Y	Y	P						CN6K8S	20:02
						MAGNESIUM	2920	mg/kg		Y	Y	P						CN6K8S	20:02
						MANGANESE	316	mg/kg		Y	Y	P						CN6K8S	20:02
						NICKEL	24.5	mg/kg		Y	Y	P						CN6K8S	20:02
						POTASSIUM	3720	mg/kg		Y	Y	P						CN6K8S	20:02
						SILVER	1.2	mg/kg	U	N	Y	U	U					CN6K8S	20:02
						SODIUM	577	mg/kg	U	N	Y	U	U					CN6K8S	20:02

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0006	SW6010	SW3050	N	1	1	VANADIUM	5.8	mg/kg	U	N	Y	U	U					CN6K8S	20:02
						ZINC	59.6	mg/kg		Y	Y	P	J	13				CN6K8S	20:02
	SW7471	TOTAL	N	0	1	MERCURY	0.038	mg/kg	U	N	Y	U	U					CN6K8S	19:01
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,1,1-TRICHLOROETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,1,2,2-TETRACHLOROETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,1,2-TRICHLOROETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,1-DICHLOROETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,1-DICHLOROETHENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,1-DICHLOROPROPENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2,3-TRICHLOROBENZENE	.0058	mg/kg	U	N	Y	U	UJ	05B				CN6K8S	18:45
						1,2,3-TRICHLOROPROPANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2,4-TRICHLOROBENZENE	.0058	mg/kg	U	N	Y	U	UJ	05B				CN6K8S	18:45
						1,2,4-TRIMETHYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2-DIBROMO-3-CHLOROPROPANE	.012	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2-DIBROMOETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2-DICHLOROBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2-DICHLOROETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,2-DICHLOROPROPANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,3,5-TRIMETHYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,3-DICHLOROBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,3-DICHLOROPROPANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						1,4-DICHLOROBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						2,2-DICHLOROPROPANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						2-BUTANONE	.023	mg/kg	U	N	Y	U	R	04A	05A			CN6K8S	18:45
						2-CHLOROTOLUENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						2-HEXANONE	.023	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						4-CHLOROTOLUENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						4-METHYL-2-PENTANONE	.023	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						ACETONE	.014	mg/kg	J	Y	Y	P	J	04A	05A			CN6K8S	18:45
						BENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						BROMOBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						BROMOCHLOROMETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						BROMODICHLOROMETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						BROMOFORM	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						BROMOMETHANE	.012	mg/kg	U	N	Y	U	R	04A	04B	05A		CN6K8S	18:45
						CARBON DISULFIDE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CARBON TETRACHLORIDE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CHLOROBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CHLORODIBROMOMETHANE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CHLOROETHANE	.012	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CHLOROFORM	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CHLOROMETHANE	.012	mg/kg	U	N	Y	U	U					CN6K8S	18:45

Validation Qualifier Data Entry Verification
Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0006	SW8260	SW5030	N	0	1	CIS-1,2-DICHLOROETHENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						CIS-1,3-DICHLOROPROPENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						DIBROMOMETHANE	.0058	mg/kg	U	N	Y	U	R	04A	05A			CN6K8S	18:45
						DICHLORODIFLUOROMETHANE	.012	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						ETHYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						HEXACHLOROBUTADIENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						ISOPROPYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						M-XYLENE & P-XYLENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						METHYLENE CHLORIDE	.0042	mg/kg	J B	Y	Y	F	B	04B	06A	15		CN6K8S	18:45
						N-BUTYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						N-PROPYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						NAPHTHALENE	.0058	mg/kg	U	N	Y	U	UJ	05B				CN6K8S	18:45
						O-XYLENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						P-ISOPROPYLTOLUENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						SEC-BUTYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						STYRENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TERT-BUTYLBENZENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TETRACHLOROETHENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TOLUENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TRANS-1,2-DICHLOROETHENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TRANS-1,3-DICHLOROPROPENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TRICHLOROETHENE	.0058	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						TRICHLOROFLUOROMETHANE	.012	mg/kg	U	N	Y	U	U					CN6K8S	18:45
						VINYL CHLORIDE	.012	mg/kg	U	N	Y	U	U					CN6K8S	18:45
	SW8270	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						1,2-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						1,3-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						1,4-DICHLOROBENZENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,2'-OXYBIS(1-CHLOROPROPANE)	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,4,5-TRICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,4,6-TRICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,4-DICHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,4-DIMETHYLPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,4-DINITROPHENOL	1.8	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,4-DINITROTOLUENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2,6-DINITROTOLUENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2-CHLORONAPHTHALENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2-CHLOROPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2-METHYLNAPHTHALENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2-METHYLPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						2-NITROANILINE	1.8	mg/kg	U	N	Y	U	UJ	05B				CN6K8S	11:47
						2-NITROPHENOL	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
						3,3'-DICHLOROBENZIDINE	1.8	mg/kg	U	N	Y	U	UJ	05B				CN6K8S	11:47

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0006	SW8270	SW3550	N 0 1	3-NITROANILINE	1.8	mg/kg	U	N Y U	U					CN6K8S	11:47
				4,6-DINITRO-2-METHYLPHENOL	1.8	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-BROMOPHENYL PHENYL ETHER	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-CHLORO-3-METHYLPHENOL	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-CHLOROANILINE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-CHLOROPHENYL PHENYL ETHER	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-METHYLPHENOL	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-NITROANILINE	1.8	mg/kg	U	N Y U	U					CN6K8S	11:47
				4-NITROPHENOL	1.8	mg/kg	U	N Y U	UJ	05B				CN6K8S	11:47
				ACENAPHTHENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				ACENAPHTHYLENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				ANTHRACENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BENZ(A)ANTHRACENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BENZO(A)PYRENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BENZO(B)FLUORANTHENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BENZO(GHI)PERYLENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BENZO(K)FLUORANTHENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BIS(2-CHLOROETHOXY)METHANE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BIS(2-CHLOROETHYL) ETHER	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				BIS(2-ETHYLHEXYL) PHTHALATE	.38	mg/kg	U	N Y U	UJ	05B				CN6K8S	11:47
				BUTYL BENZYL PHTHALATE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				CARBAZOLE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				CHRYSENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				DI-N-BUTYL PHTHALATE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				DI-N-OCTYL PHTHALATE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				DIBENZ(A,H)ANTHRACENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				DIBENZOFURAN	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				DIETHYL PHTHALATE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				DIMETHYL PHTHALATE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				FLUORANTHENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				FLUORENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				HEXACHLOROBENZENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				HEXACHLOROBUTADIENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				HEXACHLOROCYCLOPENTADIENE	1.8	mg/kg	U	N Y U	U					CN6K8S	11:47
				HEXACHLOROETHANE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				INDENO(1,2,3-CD)PYRENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				ISOPHORONE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				N-NITROSODI-N-PROPYLAMINE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				N-NITROSODIPHENYLAMINE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				NAPHTHALENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				NITROBENZENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				PENTACHLOROPHENOL	1.8	mg/kg	U	N Y U	U					CN6K8S	11:47
				PHENANTHRENE	.38	mg/kg	U	N Y U	U					CN6K8S	11:47
				PHENOL	.38	mg/kg	U	N Y U	U					CN6K8S	11:47

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0006	SW8270	SW3550	N	0	1	PYRENE	.38	mg/kg	U	N	Y	U	U					CN6K8S	11:47
FV0007	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CRGNES	00:00
	SW6010	SW3050	N	0	1	ALUMINUM	5350	mg/kg		Y	Y	P						CRGNES	23:20
						ANTIMONY	8.2	mg/kg	U	N	Y	U	UJ	08A				CRGNES	23:20
						ARSENIC	3.2	mg/kg		Y	Y	P						CRGNES	23:20
						BARIUM	129	mg/kg		Y	Y	P						CRGNES	23:20
						BERYLLIUM	1.3	mg/kg		Y	Y	P						CRGNES	23:20
						CADMIUM	0.69	mg/kg	U	N	Y	U	U					CRGNES	23:20
						CALCIUM	784	mg/kg		Y	Y	P						CRGNES	23:20
						CHROMIUM	5.7	mg/kg		Y	Y	P						CRGNES	23:20
						COBALT	14.0	mg/kg		Y	Y	P						CRGNES	23:20
						COPPER	5.6	mg/kg		Y	Y	P						CRGNES	23:20
						IRON	9570	mg/kg		Y	Y	P						CRGNES	23:20
						LEAD	23.4	mg/kg		Y	Y	P						CRGNES	23:20
						MAGNESIUM	302	mg/kg	B	Y	Y	P	J	13	15			CRGNES	23:20
						MANGANESE	1620	mg/kg		Y	Y	P	J	13				CRGNES	23:20
						NICKEL	8.8	mg/kg		Y	Y	P						CRGNES	23:20
						POTASSIUM	511	mg/kg	B	Y	Y	P	J	15				CRGNES	23:20
						SELENIUM	1.0	mg/kg		Y	Y	P						CRGNES	23:20
						SILVER	1.4	mg/kg	U	N	Y	U	UJ	08A				CRGNES	23:20
						SODIUM	105	mg/kg	B	Y	Y	F	B	06A	06B	06C	15	CRGNES	23:20
						THALLIUM	1.4	mg/kg	U	N	Y	U	U					CRGNES	23:20
						VANADIUM	10.6	mg/kg		Y	Y	P						CRGNES	23:20
						ZINC	58.0	mg/kg		Y	Y	P	J	13				CRGNES	23:20
	SW7471	TOTAL	N	0	1	MERCURY	0.074	mg/kg		Y	Y	F	B	06A				CRGNES	19:52
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,1,1-TRICHLOROETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,1,2,2-TETRACHLOROETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,1,2-TRICHLOROETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,1-DICHLOROETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,1-DICHLOROETHENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,1-DICHLOROPROPENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,2,3-TRICHLOROBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,2,3-TRICHLOROPROPANE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,2,4-TRICHLOROBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,2,4-TRIMETHYLBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,2-DIBROMO-3-CHLOROPROPANE	.014	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,2-DIBROMOETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,2-DICHLOROBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,2-DICHLOROETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,2-DICHLOROPROPANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
						1,3,5-TRIMETHYLBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
						1,3-DICHLOROBENZENE	0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0007	SW8260	SW5030	N 0 1	1,3-DICHLOROPROPANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				1,4-DICHLOROBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				2,2-DICHLOROPROPANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				2-BUTANONE	.0041	mg/kg	J	Y	Y	P	J	04A	05A	15		CRGNES	00:52
				2-CHLOROTOLUENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				2-HEXANONE	.027	mg/kg	U	N	Y	U	U					CRGNES	00:52
				4-CHLOROTOLUENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				4-METHYL-2-PENTANONE	.027	mg/kg	U	N	Y	U	U					CRGNES	00:52
				ACETONE	.11	mg/kg	B	Y	Y	P	J	04A	05A			CRGNES	00:52
				BENZENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				BROMOBENZENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				BROMOCHLOROMETHANE	.0069	mg/kg	U	N	Y	U	R	04A	05A			CRGNES	00:52
				BROMODICHLOROMETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				BROMOFORM	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				BROMOMETHANE	.014	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CARBON DISULFIDE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CARBON TETRACHLORIDE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CHLOROBENZENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CHLORODIBROMOMETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CHLOROETHANE	.014	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CHLOROFORM	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CHLOROMETHANE	.014	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CIS-1,2-DICHLOROETHENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				CIS-1,3-DICHLOROPROPENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				DIBROMOMETHANE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				DICHLORODIFLUOROMETHANE	.014	mg/kg	U	N	Y	U	U					CRGNES	00:52
				ETHYLBENZENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				HEXACHLOROBUTADIENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				ISOPROPYLBENZENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				M-XYLENE & P-XYLENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				METHYLENE CHLORIDE	.0033	mg/kg	J B	Y	Y	F	B	04B	06A	15		CRGNES	00:52
				N-BUTYLBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				N-PROPYLBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				NAPHTHALENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				O-XYLENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				P-ISOPROPYLTOLUENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				SEC-BUTYLBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				STYRENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				TERT-BUTYLBENZENE	.0069	mg/kg	U	N	Y	U	UJ	10A				CRGNES	00:52
				TETRACHLOROETHENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				TOLUENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				TRANS-1,2-DICHLOROETHENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				TRANS-1,3-DICHLOROPROPENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52
				TRICHLOROETHENE	.0069	mg/kg	U	N	Y	U	U					CRGNES	00:52

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0007	SW8260	SW5030	N	0	1	TRICHLOROFLUOROMETHANE	.014	mg/kg	U	N	Y	U	U					CRGNES	00:52
						VINYL CHLORIDE	.014	mg/kg	U	N	Y	U	U					CRGNES	00:52
	SW8270	SW3540	N	0	1	1,2,4-TRICHLOROBENZENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						1,2-DICHLOROBENZENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						1,3-DICHLOROBENZENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						1,4-DICHLOROBENZENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,2'-OXYBIS(1-CHLOROPROPANE)	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,4,5-TRICHLOROPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,4,6-TRICHLOROPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,4-DICHLOROPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,4-DIMETHYLPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,4-DINITROPHENOL	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,4-DINITROTOLUENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2,6-DINITROTOLUENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2-CHLORONAPHTHALENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2-CHLOROPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2-METHYLNAPHTHALENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2-METHYLPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2-NITROANILINE	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						2-NITROPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						3,3'-DICHLOROBENZIDINE	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						3-NITROANILINE	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4,6-DINITRO-2-METHYLPHENOL	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-BROMOPHENYL PHENYL ETHER	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-CHLORO-3-METHYLPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-CHLOROANILINE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-CHLOROPHENYL PHENYL ETHER	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-METHYLPHENOL	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-NITROANILINE	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						4-NITROPHENOL	2.2	mg/kg	U	N	Y	U	U					CRGNES	16:45
						ACENAPHTHENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						ACENAPHTHYLENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						ANTHRACENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BENZ(A)ANTHRACENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BENZO(A)PYRENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BENZO(B)FLUORANTHENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BENZO(GHI)PERYLENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BENZO(K)FLUORANTHENE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BIS(2-CHLOROETHOXY)METHANE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BIS(2-CHLOROETHYL) ETHER	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						BIS(2-ETHYLHEXYL) PHTHALATE	.13	mg/kg	J	Y	Y	P	J	15				CRGNES	16:45
						BUTYL BENZYL PHTHALATE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45
						CARBAZOLE	.45	mg/kg	U	N	Y	U	U					CRGNES	16:45

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0007	SW8270	SW3540	N 0 1	CHRYSENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				DI-N-BUTYL PHTHALATE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				DI-N-OCTYL PHTHALATE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				DIBENZ(A,H)ANTHRACENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				DIBENZOFURAN	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				DIETHYL PHTHALATE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				DIMETHYL PHTHALATE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				FLUORANTHENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				FLUORENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				HEXACHLOROBENZENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				HEXACHLOROBUTADIENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				HEXACHLOROCYCLOPENTADIENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				HEXACHLOROETHANE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				INDENO(1,2,3-CD)PYRENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				ISOPHORONE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				N-NITROSODI-N-PROPYLAMINE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				N-NITROSODIPHENYLAMINE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				NAPHTHALENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				NITROBENZENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				PENTACHLOROPHENOL	2.2	mg/kg	U	N Y U	U					CRGNES	16:45
				PHENANTHRENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				PHENOL	.45	mg/kg	U	N Y U	U					CRGNES	16:45
				PYRENE	.45	mg/kg	U	N Y U	U					CRGNES	16:45
FV0008	D2216	NONE	N 0 1	PERCENT MOISTURE				Y Y P						CRGNRS	00:00
	SW6010	SW3050	N 0 1	ALUMINUM	2140	mg/kg		Y Y P						CRGNRS	23:46
				ANTIMONY	7.5	mg/kg	U	N Y U	UJ	08A				CRGNRS	23:46
				ARSENIC	1.7	mg/kg		Y Y P						CRGNRS	23:46
				BARIUM	61.8	mg/kg		Y Y P						CRGNRS	23:46
				BERYLLIUM	0.48	mg/kg	B	Y Y P	J	15				CRGNRS	23:46
				CADMIUM	0.40	mg/kg	B	Y Y P	J	15				CRGNRS	23:46
				CALCIUM	324	mg/kg	B	Y Y P	J	15				CRGNRS	23:46
				CHROMIUM	3.9	mg/kg		Y Y P						CRGNRS	23:46
				COBALT	3.3	mg/kg	B	Y Y P	J	15				CRGNRS	23:46
				COPPER	4.4	mg/kg		Y Y P						CRGNRS	23:46
				IRON	5490	mg/kg		Y Y P						CRGNRS	23:46
				LEAD	18.4	mg/kg		Y Y P						CRGNRS	23:46
				MAGNESIUM	126	mg/kg	B	Y Y P	J	13	15			CRGNRS	23:46
				MANGANESE	522	mg/kg		Y Y P	J	13				CRGNRS	23:46
				NICKEL	3.6	mg/kg	B	Y Y P	J	15				CRGNRS	23:46
				POTASSIUM	172	mg/kg	B	Y Y P	J	15				CRGNRS	23:46
				SELENIUM	0.62	mg/kg	U	N Y U	U					CRGNRS	23:46
				SILVER	1.2	mg/kg	U	N Y U	UJ	08A				CRGNRS	23:46
				SODIUM	68.2	mg/kg	B	Y Y F	B	06A	06B	06C	15	CRGNRS	23:46

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0008	SW6010	SW3050	N	0	1	THALLIUM	1.2	mg/kg	U	N	Y	U	U					CRGNRS	23:46
						VANADIUM	6.4	mg/kg		Y	Y	P						CRGNRS	23:46
						ZINC	118	mg/kg		Y	Y	P	J	13				CRGNRS	23:46
	SW7471	TOTAL	N	0	1	MERCURY	0.044	mg/kg		Y	Y	F	B	06A	06C			CRGNRS	19:54
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,1,1-TRICHLOROETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,1,2,2-TETRACHLOROETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,1,2-TRICHLOROETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,1-DICHLOROETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,1-DICHLOROETHENE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,1-DICHLOROPROPENE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,2,3-TRICHLOROBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,2,3-TRICHLOROPROPANE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,2,4-TRICHLOROBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,2,4-TRIMETHYLBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,2-DIBROMO-3-CHLOROPROPANE	.012	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,2-DIBROMOETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,2-DICHLOROBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,2-DICHLOROETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,2-DICHLOROPROPANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,3,5-TRIMETHYLBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,3-DICHLOROBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						1,3-DICHLOROPROPANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						1,4-DICHLOROBENZENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						2,2-DICHLOROPROPANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						2-BUTANONE	.0054	mg/kg	J	Y	Y	P	J	04A	05A	15		CRGNRS	22:05
						2-CHLOROTOLUENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						2-HEXANONE	.025	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						4-CHLOROTOLUENE	.0062	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	22:05
						4-METHYL-2-PENTANONE	.025	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						ACETONE	.13	mg/kg		Y	Y	P	J	04A	04B	05A		CRGNRS	22:05
						BENZENE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						BROMOBENZENE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						BROMOCHLOROMETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						BROMODICHLOROMETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						BROMOFORM	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						BROMOMETHANE	.012	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						CARBON DISULFIDE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						CARBON TETRACHLORIDE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						CHLOROBENZENE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						CHLORODIBROMOMETHANE	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						CHLOROETHANE	.012	mg/kg	U	N	Y	U	U					CRGNRS	22:05
						CHLOROFORM	.0062	mg/kg	U	N	Y	U	U					CRGNRS	22:05

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0008	SW8260	SW5030	N 0 1	CHLOROMETHANE	.012	mg/kg	U	N Y U	U					CRGNRS	22:05
				CIS-1,2-DICHLOROETHENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				CIS-1,3-DICHLOROPROPENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				DIBROMOMETHANE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				DICHLORODIFLUOROMETHANE	.012	mg/kg	U	N Y U	UJ	05B				CRGNRS	22:05
				ETHYLBENZENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				HEXACHLOROBUTADIENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				ISOPROPYLBENZENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				M-XYLENE & P-XYLENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				METHYLENE CHLORIDE	.0037	mg/kg	J B	Y Y F	B	04B	06A	15		CRGNRS	22:05
				N-BUTYLBENZENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				N-PROPYLBENZENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				NAPHTHALENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				O-XYLENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				P-ISOPROPYLTOLUENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				SEC-BUTYLBENZENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				STYRENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				TERT-BUTYLBENZENE	.0062	mg/kg	U	N Y U	UJ	10A				CRGNRS	22:05
				TETRACHLOROETHENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				TOLUENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				TRANS-1,2-DICHLOROETHENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				TRANS-1,3-DICHLOROPROPENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				TRICHLOROETHENE	.0062	mg/kg	U	N Y U	U					CRGNRS	22:05
				TRICHLOROFLUOROMETHANE	.012	mg/kg	U	N Y U	U					CRGNRS	22:05
				VINYL CHLORIDE	.012	mg/kg	U	N Y U	U					CRGNRS	22:05
	SW8270	SW3540	N 0 1	1,2,4-TRICHLOROBENZENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				1,2-DICHLOROBENZENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				1,3-DICHLOROBENZENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				1,4-DICHLOROBENZENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,2'-OXYBIS(1-CHLOROPROPANE)	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,4,5-TRICHLOROPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,4,6-TRICHLOROPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,4-DICHLOROPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,4-DIMETHYLPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,4-DINITROPHENOL	2	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,4-DINITROTOLUENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2,6-DINITROTOLUENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2-CHLORONAPHTHALENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2-CHLOROPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2-METHYLNAPHTHALENE	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2-METHYLPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21
				2-NITROANILINE	2	mg/kg	U	N Y U	U					CRGNRS	17:21
				2-NITROPHENOL	.41	mg/kg	U	N Y U	U					CRGNRS	17:21

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0008	SW8270	SW3540	N 0 1	3,3'-DICHLOROBENZIDINE	2	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				3-NITROANILINE	2	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4,6-DINITRO-2-METHYLPHENOL	2	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-BROMOPHENYL PHENYL ETHER	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-CHLORO-3-METHYLPHENOL	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-CHLOROANILINE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-CHLOROPHENYL PHENYL ETHER	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-METHYLPHENOL	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-NITROANILINE	2	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				4-NITROPHENOL	2	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				ACENAPHTHENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				ACENAPHTHYLENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				ANTHRACENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				BENZ(A)ANTHRACENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				BENZO(A)PYRENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				BENZO(B)FLUORANTHENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				BENZO(GHI)PERYLENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				BENZO(K)FLUORANTHENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				BIS(2-CHLOROETHOXY)METHANE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				BIS(2-CHLOROETHYL) ETHER	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				BIS(2-ETHYLHEXYL) PHTHALATE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				BUTYL BENZYL PHTHALATE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				CARBAZOLE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				CHRYSENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				DI-N-BUTYL PHTHALATE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				DI-N-OCTYL PHTHALATE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				DIBENZ(A,H)ANTHRACENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				DIBENZOFURAN	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				DIETHYL PHTHALATE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				DIMETHYL PHTHALATE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				FLUORANTHENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				FLUORENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				HEXACHLOROBENZENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				HEXACHLOROBUTADIENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				HEXACHLOROCYCLOPENTADIENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				HEXACHLOROETHANE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				INDENO(1,2,3-CD)PYRENE	.41	mg/kg	U	N	Y	U	UJ	10A				CRGNRS	17:21
				ISOPHORONE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				N-NITROSODI-N-PROPYLAMINE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				N-NITROSODIPHENYLAMINE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				NAPHTHALENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				NITROBENZENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				PENTACHLOROPHENOL	2	mg/kg	U	N	Y	U	U					CRGNRS	17:21
				PHENANTHRENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0008	SW8270	SW3540	N	0	1	PHENOL	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
						PYRENE	.41	mg/kg	U	N	Y	U	U					CRGNRS	17:21
FV0009	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CRGNWS	00:00
	SW6010	SW3050	N	0	1	ALUMINUM	3490	mg/kg		Y	Y	P						CRGNWS	23:50
						ANTIMONY	9.1	mg/kg	U	N	Y	U	UJ	08A				CRGNWS	23:50
						ARSENIC	2.6	mg/kg		Y	Y	P						CRGNWS	23:50
						BARIUM	65.8	mg/kg		Y	Y	P						CRGNWS	23:50
						BERYLLIUM	0.38	mg/kg	B	Y	Y	P	J	15				CRGNWS	23:50
						CADMIUM	0.61	mg/kg	B	Y	Y	P	J	15				CRGNWS	23:50
						CALCIUM	2940	mg/kg		Y	Y	P						CRGNWS	23:50
						CHROMIUM	7.7	mg/kg		Y	Y	P						CRGNWS	23:50
						COBALT	2.8	mg/kg	B	Y	Y	P	J	15				CRGNWS	23:50
						COPPER	6.0	mg/kg		Y	Y	P						CRGNWS	23:50
						IRON	11100	mg/kg		Y	Y	P						CRGNWS	23:50
						LEAD	26.6	mg/kg		Y	Y	P						CRGNWS	23:50
						MAGNESIUM	278	mg/kg	B	Y	Y	P	J	13	15			CRGNWS	23:50
						MANGANESE	512	mg/kg		Y	Y	P	J	13				CRGNWS	23:50
						NICKEL	4.0	mg/kg	B	Y	Y	P	J	15				CRGNWS	23:50
						POTASSIUM	272	mg/kg	B	Y	Y	P	J	15				CRGNWS	23:50
						SELENIUM	0.92	mg/kg		Y	Y	P						CRGNWS	23:50
						SILVER	1.5	mg/kg	U	N	Y	U	UJ	08A				CRGNWS	23:50
						SODIUM	130	mg/kg	B	Y	Y	F	B	06A	06B	06C	15	CRGNWS	23:50
						THALLIUM	1.5	mg/kg	U	N	Y	U	U					CRGNWS	23:50
						VANADIUM	12.1	mg/kg		Y	Y	P						CRGNWS	23:50
						ZINC	335	mg/kg		Y	Y	P	J	13				CRGNWS	23:50
	SW7471	TOTAL	N	0	1	MERCURY	0.047	mg/kg	B	Y	Y	F	B	06A	06C	15		CRGNWS	19:56
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,1,1-TRICHLOROETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,1,2,2-TETRACHLOROETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,1,2-TRICHLOROETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,1-DICHLOROETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,1-DICHLOROETHENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,1-DICHLOROPROPENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,2,3-TRICHLOROBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
						1,2,3-TRICHLOROPROPANE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
						1,2,4-TRICHLOROBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
						1,2,4-TRIMETHYLBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
						1,2-DIBROMO-3-CHLOROPROPANE	.015	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
						1,2-DIBROMOETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,2-DICHLOROBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
						1,2-DICHLOROETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,2-DICHLOROPROPANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						1,3,5-TRIMETHYLBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0009	SW8260	SW5030	N 0 1	1,3-DICHLOROBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				1,3-DICHLOROPROPANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				1,4-DICHLOROBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				2,2-DICHLOROPROPANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				2-BUTANONE	.03	mg/kg	U	N	Y	U	R	04A	05A			CRGNWS	22:55
				2-CHLOROTOLUENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				2-HEXANONE	.03	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				4-CHLOROTOLUENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				4-METHYL-2-PENTANONE	.03	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				ACETONE	.068	mg/kg		Y	Y	P	J	04A	04B	05A		CRGNWS	22:55
				BENZENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				BROMOBENZENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				BROMOCHLOROMETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				BROMODICHLOROMETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				BROMOFORM	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				BROMOMETHANE	.015	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CARBON DISULFIDE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CARBON TETRACHLORIDE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CHLOROBENZENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CHLORODIBROMOMETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CHLOROETHANE	.015	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CHLOROFORM	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CHLOROMETHANE	.015	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CIS-1,2-DICHLOROETHENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				CIS-1,3-DICHLOROPROPENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				DIBROMOMETHANE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				DICHLORODIFLUOROMETHANE	.015	mg/kg	U	N	Y	U	UJ	05B				CRGNWS	22:55
				ETHYLBENZENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				HEXACHLOROBUTADIENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				ISOPROPYLBENZENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				M-XYLENE & P-XYLENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				METHYLENE CHLORIDE	.0046	mg/kg	J B	Y	Y	F	B	04B	06A	15		CRGNWS	22:55
				N-BUTYLBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				N-PROPYLBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				NAPHTHALENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				O-XYLENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				P-ISOPROPYLTOLUENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				SEC-BUTYLBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				STYRENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				TERT-BUTYLBENZENE	.0076	mg/kg	U	N	Y	U	UJ	10A				CRGNWS	22:55
				TETRACHLOROETHENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				TOLUENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				TRANS-1,2-DICHLOROETHENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
				TRANS-1,3-DICHLOROPROPENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0009	SW8260	SW5030	N	0	1	TRICHLOROETHENE	.0076	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						TRICHLOROFLUOROMETHANE	.015	mg/kg	U	N	Y	U	U					CRGNWS	22:55
						VINYL CHLORIDE	.015	mg/kg	U	N	Y	U	U					CRGNWS	22:55
	SW8270	SW3540	N	0	5	1,2,4-TRICHLOROBENZENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						1,2-DICHLOROBENZENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						1,3-DICHLOROBENZENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						1,4-DICHLOROBENZENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,2'-OXYBIS(1-CHLOROPROPANE)	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,4,5-TRICHLOROPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,4,6-TRICHLOROPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,4-DICHLOROPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,4-DIMETHYLPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,4-DINITROPHENOL	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,4-DINITROTOLUENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2,6-DINITROTOLUENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2-CHLORONAPHTHALENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2-CHLOROPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2-METHYLNAPHTHALENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2-METHYLPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2-NITROANILINE	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						2-NITROPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						3,3'-DICHLOROBENZIDINE	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						3-NITROANILINE	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4,6-DINITRO-2-METHYLPHENOL	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-BROMOPHENYL PHENYL ETHER	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-CHLORO-3-METHYLPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-CHLOROANILINE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-CHLOROPHENYL PHENYL ETHER	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-METHYLPHENOL	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-NITROANILINE	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						4-NITROPHENOL	12	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						ACENAPHTHENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						ACENAPHTHYLENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						ANTHRACENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BENZ(A)ANTHRACENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BENZO(A)PYRENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BENZO(B)FLUORANTHENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BENZO(GHI)PERYLENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BENZO(K)FLUORANTHENE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BIS(2-CHLOROETHOXY)METHANE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BIS(2-CHLOROETHYL) ETHER	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BIS(2-ETHYLHEXYL) PHTHALATE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57
						BUTYL BENZYL PHTHALATE	2.5	mg/kg	U	N	Y	U	U					CRGNWS	17:57

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0009	SW8270	SW3540	N 0 5	CARBAZOLE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				CHRYSENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				DI-N-BUTYL PHTHALATE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				DI-N-OCTYL PHTHALATE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				DIBENZ(A,H)ANTHRACENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				DIBENZOFURAN	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				DIETHYL PHTHALATE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				DIMETHYL PHTHALATE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				FLUORANTHENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				FLUORENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				HEXACHLOROBENZENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				HEXACHLOROBUTADIENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				HEXACHLOROCYCLOPENTADIENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				HEXACHLOROETHANE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				INDENO(1,2,3-CD)PYRENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				ISOPHORONE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				N-NITROSODI-N-PROPYLAMINE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				N-NITROSODIPHENYLAMINE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				NAPHTHALENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				NITROBENZENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				PENTACHLOROPHENOL	12	mg/kg	U	N Y U	U					CRGNWS	17:57
				PHENANTHRENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				PHENOL	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
				PYRENE	2.5	mg/kg	U	N Y U	U					CRGNWS	17:57
FV0010	D2216	NONE	N 0 1	PERCENT MOISTURE				Y Y P						CRGP1S	00:00
	SW6010	SW3050	N 0 1	ALUMINUM	4890	mg/kg		Y Y P						CRGP1S	23:55
				ANTIMONY	10.9	mg/kg	U	N Y U	UJ	08A				CRGP1S	23:55
				ARSENIC	2.4	mg/kg		Y Y P						CRGP1S	23:55
				BARIUM	101	mg/kg		Y Y P						CRGP1S	23:55
				BERYLLIUM	1.2	mg/kg		Y Y P						CRGP1S	23:55
				CADMIUM	0.91	mg/kg	U	N Y U	U					CRGP1S	23:55
				CALCIUM	263	mg/kg	B	Y Y P	J	15				CRGP1S	23:55
				CHROMIUM	4.6	mg/kg		Y Y P						CRGP1S	23:55
				COBALT	6.7	mg/kg	B	Y Y P	J	15				CRGP1S	23:55
				COPPER	13.3	mg/kg		Y Y P						CRGP1S	23:55
				IRON	5390	mg/kg		Y Y P						CRGP1S	23:55
				LEAD	23.3	mg/kg		Y Y P						CRGP1S	23:55
				MAGNESIUM	188	mg/kg	B	Y Y P	J	13	15			CRGP1S	23:55
				MANGANESE	1080	mg/kg		Y Y P	J	13				CRGP1S	23:55
				NICKEL	4.1	mg/kg	B	Y Y P	J	15				CRGP1S	23:55
				POTASSIUM	219	mg/kg	B	Y Y P	J	15				CRGP1S	23:55
				SELENIUM	0.90	mg/kg	B	Y Y P	J	15				CRGP1S	23:55
				SILVER	1.8	mg/kg	U	N Y U	UJ	08A				CRGP1S	23:55

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0010	SW6010	SW3050	N	0	1	SODIUM	86.5	mg/kg	B	Y	Y	F	B	06A	06B	06C	15	CRGP1S	23:55
						THALLIUM	1.8	mg/kg	U	N	Y	U	U					CRGP1S	23:55
						VANADIUM	8.2	mg/kg	B	Y	Y	P	J	15				CRGP1S	23:55
						ZINC	15.1	mg/kg		Y	Y	P	J	13				CRGP1S	23:55
	SW7471	TOTAL	N	0	1	MERCURY	0.10	mg/kg		Y	Y	P						CRGP1S	19:59
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,1,1-TRICHLOROETHANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						1,1,2,2-TETRACHLOROETHANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,1,2-TRICHLOROETHANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,1-DICHLOROETHANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						1,1-DICHLOROETHENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						1,1-DICHLOROPROPENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						1,2,3-TRICHLOROBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2,3-TRICHLOROPROPANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2,4-TRICHLOROBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2,4-TRIMETHYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2-DIBROMO-3-CHLOROPROPANE	.018	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2-DIBROMOETHANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2-DICHLOROBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,2-DICHLOROETHANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						1,2-DICHLOROPROPANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						1,3,5-TRIMETHYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,3-DICHLOROBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,3-DICHLOROPROPANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						1,4-DICHLOROBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						2,2-DICHLOROPROPANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						2-BUTANONE	.025	mg/kg	J	Y	Y	P	J	04A	05A	07A	15	CRGP1S	22:30
						2-CHLOROTOLUENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						2-HEXANONE	.036	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						4-CHLOROTOLUENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						4-METHYL-2-PENTANONE	.036	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						ACETONE	.73	mg/kg		Y	Y	P	J	04A	04B	05A	07A	CRGP1S	22:30
						BENZENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						BROMOBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						BROMOCHLOROMETHANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						BROMODICHLOROMETHANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						BROMOFORM	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						BROMOMETHANE	.018	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						CARBON DISULFIDE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						CARBON TETRACHLORIDE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						CHLOROBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						CHLORODIBROMOMETHANE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						CHLOROETHANE	.018	mg/kg	U	N	Y	U	U					CRGP1S	22:30

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0010	SW8260	SW5030	N	0	1	CHLOROFORM	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						CHLOROMETHANE	.018	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						CIS-1,2-DICHLOROETHENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						CIS-1,3-DICHLOROPROPENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						DIBROMOMETHANE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						DICHLORODIFLUOROMETHANE	.018	mg/kg	U	N	Y	U	UJ	05B				CRGP1S	22:30
						ETHYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						HEXACHLOROBUTADIENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						ISOPROPYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						M-XYLENE & P-XYLENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						METHYLENE CHLORIDE	.0092	mg/kg	B	Y	Y	F	B	04B	06A	07A		CRGP1S	22:30
						N-BUTYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						N-PROPYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						NAPHTHALENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						O-XYLENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						P-ISOPROPYLTOLUENE	.035	mg/kg		Y	Y	P	J	07A	10A			CRGP1S	22:30
						SEC-BUTYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						STYRENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						TERT-BUTYLBENZENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						TETRACHLOROETHENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						TOLUENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						TRANS-1,2-DICHLOROETHENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						TRANS-1,3-DICHLOROPROPENE	.0091	mg/kg	U	N	Y	U	UJ	10A				CRGP1S	22:30
						TRICHLOROETHENE	.0091	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						TRICHLOROFLUOROMETHANE	.018	mg/kg	U	N	Y	U	U					CRGP1S	22:30
						VINYL CHLORIDE	.018	mg/kg	U	N	Y	U	U					CRGP1S	22:30
	SW8270	SW3540	N	0	1	1,2,4-TRICHLOROBENZENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						1,2-DICHLOROBENZENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						1,3-DICHLOROBENZENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						1,4-DICHLOROBENZENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,2'-OXYBIS(1-CHLOROPROPANE)	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,4,5-TRICHLOROPHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,4,6-TRICHLOROPHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,4-DICHLOROPHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,4-DIMETHYLPHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,4-DINITROPHENOL	2.9	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,4-DINITROTOLUENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2,6-DINITROTOLUENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2-CHLORONAPHTHALENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2-CHLOROPHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2-METHYLNAPHTHALENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2-METHYLPHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						2-NITROANILINE	2.9	mg/kg	U	N	Y	U	U					CRGP1S	18:33

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
FV0010	SW8270	SW3540	N 0 1	2-NITROPHENOL	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				3,3'-DICHLOROBENZIDINE	2.9	mg/kg	U	N Y U	U		CRGP1S	18:33
				3-NITROANILINE	2.9	mg/kg	U	N Y U	U		CRGP1S	18:33
				4,6-DINITRO-2-METHYLPHENOL	2.9	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-BROMOPHENYL PHENYL ETHER	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-CHLORO-3-METHYLPHENOL	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-CHLOROANILINE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-CHLOROPHENYL PHENYL ETHER	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-METHYLPHENOL	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-NITROANILINE	2.9	mg/kg	U	N Y U	U		CRGP1S	18:33
				4-NITROPHENOL	2.9	mg/kg	U	N Y U	U		CRGP1S	18:33
				ACENAPHTHENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				ACENAPHTHYLENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				ANTHRACENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BENZ(A)ANTHRACENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BENZO(A)PYRENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BENZO(B)FLUORANTHENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BENZO(GHI)PERYLENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BENZO(K)FLUORANTHENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BIS(2-CHLOROETHOXY)METHANE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BIS(2-CHLOROETHYL) ETHER	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BIS(2-ETHYLHEXYL) PHTHALATE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				BUTYL BENZYL PHTHALATE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				CARBAZOLE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				CHRYSENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				DI-N-BUTYL PHTHALATE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				DI-N-OCTYL PHTHALATE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				DIBENZ(A,H)ANTHRACENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				DIBENZOFURAN	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				DIETHYL PHTHALATE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				DIMETHYL PHTHALATE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				FLUORANTHENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				FLUORENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				HEXACHLOROBENZENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				HEXACHLOROBUTADIENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				HEXACHLOROCYCLOPENTADIENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				HEXACHLOROETHANE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				INDENO(1,2,3-CD)PYRENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				ISOPHORONE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				N-NITROSODI-N-PROPYLAMINE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				N-NITROSODIPHENYLAMINE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				NAPHTHALENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				NITROBENZENE	.6	mg/kg	U	N Y U	U		CRGP1S	18:33
				PENTACHLOROPHENOL	2.9	mg/kg	U	N Y U	U		CRGP1S	18:33

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV0010	SW8270	SW3540	N	0	1	PHENANTHRENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						PHENOL	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
						PYRENE	.6	mg/kg	U	N	Y	U	U					CRGP1S	18:33
FV1001	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CQTN6S	00:00
	SW6010	SW3050	N	0	1	ALUMINUM	5430	mg/kg		Y	Y	P						CQTN6S	13:44
						ANTIMONY	8.6	mg/kg	U	N	Y	U	UJ	08A				CQTN6S	13:44
						ARSENIC	1.8	mg/kg		Y	Y	P						CQTN6S	13:44
						BARIUM	36.1	mg/kg		Y	Y	P	J	08B				CQTN6S	13:44
						BERYLLIUM	0.68	mg/kg	B	Y	Y	P	J	15				CQTN6S	13:44
						CADMIUM	0.72	mg/kg	U	N	Y	U	UJ	08A				CQTN6S	13:44
						CALCIUM	90.6	mg/kg	B	Y	Y	P	J	15				CQTN6S	13:44
						CHROMIUM	5.1	mg/kg		Y	Y	P	J	08A	08B			CQTN6S	13:44
						COBALT	8.1	mg/kg		Y	Y	P						CQTN6S	13:44
						COPPER	3.2	mg/kg	B	Y	Y	P	J	15				CQTN6S	13:44
						IRON	6490	mg/kg		Y	Y	P						CQTN6S	13:44
						LEAD	9.6	mg/kg		Y	Y	P	J	08B				CQTN6S	13:44
						MAGNESIUM	149	mg/kg	B	Y	Y	P	J	15				CQTN6S	13:44
						MANGANESE	390	mg/kg		Y	Y	P	J	08A	08B			CQTN6S	13:44
						NICKEL	2.5	mg/kg	B	Y	Y	P	J	15				CQTN6S	13:44
						POTASSIUM	719	mg/kg	U	N	Y	U	U					CQTN6S	13:44
						SELENIUM	0.74	mg/kg		Y	Y	P						CQTN6S	13:44
						SILVER	1.4	mg/kg	U	N	Y	U	U					CQTN6S	13:44
						SODIUM	32.7	mg/kg	B	Y	Y	F	B	06A	06B	06C		CQTN6S	13:44
						THALLIUM	1.4	mg/kg	U	N	Y	U	U					CQTN6S	13:44
						VANADIUM	10	mg/kg		Y	Y	P						CQTN6S	13:44
						ZINC	7.8	mg/kg		Y	Y	P	J	13				CQTN6S	13:44
	SW7471	TOTAL	N	0	1	MERCURY	0.047	mg/kg		Y	Y	P						CQTN6S	19:22
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,1,1-TRICHLOROETHANE	.0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53
						1,1,2,2-TETRACHLOROETHANE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,1,2-TRICHLOROETHANE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,1-DICHLOROETHANE	.0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53
						1,1-DICHLOROETHENE	.0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53
						1,1-DICHLOROPROPENE	.0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53
						1,2,3-TRICHLOROBENZENE	.0072	mg/kg	U	N	Y	U	UJ	04B	10A			CQTN6S	21:53
						1,2,3-TRICHLOROPROPANE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,2,4-TRICHLOROBENZENE	.0072	mg/kg	U	N	Y	U	UJ	04B	05B	10A		CQTN6S	21:53
						1,2,4-TRIMETHYLBENZENE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,2-DIBROMO-3-CHLOROPROPANE	.014	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,2-DIBROMOETHANE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,2-DICHLOROBENZENE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						1,2-DICHLOROETHANE	.0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53
						1,2-DICHLOROPROPANE	0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1001	SW8260	SW5030	N 0 1	1,3,5-TRIMETHYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				1,3-DICHLOROBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				1,3-DICHLOROPROPANE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				1,4-DICHLOROBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				2,2-DICHLOROPROPANE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				2-BUTANONE	.0094	mg/kg	J	Y Y P	J	04A	07A	15		CQTN6S	21:53
				2-CHLOROTOLUENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				2-HEXANONE	.029	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				4-CHLOROTOLUENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				4-METHYL-2-PENTANONE	.029	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				ACETONE	.26	mg/kg		Y Y P	J	04A	05A	07A		CQTN6S	21:53
				BENZENE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				BROMOBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				BROMOCHLOROMETHANE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				BROMODICHLOROMETHANE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				BROMOFORM	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				BROMOMETHANE	.014	mg/kg	U	N Y U	R	04A	04B	05B		CQTN6S	21:53
				CARBON DISULFIDE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				CARBON TETRACHLORIDE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				CHLOROBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				CHLORODIBROMOMETHANE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				CHLOROETHANE	.014	mg/kg	U	N Y U	UJ	04B	05B			CQTN6S	21:53
				CHLOROFORM	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				CHLOROMETHANE	.014	mg/kg	U	N Y U	U					CQTN6S	21:53
				CIS-1,2-DICHLOROETHENE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				CIS-1,3-DICHLOROPROPENE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				DIBROMOMETHANE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53
				DICHLORODIFLUOROMETHANE	.014	mg/kg	U	N Y U	U					CQTN6S	21:53
				ETHYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				HEXACHLOROBUTADIENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				ISOPROPYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				M-XYLENE & P-XYLENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				METHYLENE CHLORIDE	.0064	mg/kg	J B	Y Y F	B	04B	06A	15	07A	CQTN6S	21:53
				N-BUTYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				N-PROPYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				NAPHTHALENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				O-XYLENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				P-ISOPROPYLTOLUENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				SEC-BUTYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				STYRENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				TERT-BUTYLBENZENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				TETRACHLOROETHENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				TOLUENE	.0072	mg/kg	U	N Y U	UJ	10A				CQTN6S	21:53
				TRANS-1,2-DICHLOROETHENE	.0072	mg/kg	U	N Y U	U					CQTN6S	21:53

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1001	SW8260	SW5030	N	0	1	TRANS-1,3-DICHLOROPROPENE	.0072	mg/kg	U	N	Y	U	UJ	10A				CQTN6S	21:53
						TRICHLOROETHENE	.0072	mg/kg	U	N	Y	U	U					CQTN6S	21:53
						TRICHLOROFLUOROMETHANE	.014	mg/kg	U	N	Y	U	UJ	05B				CQTN6S	21:53
						VINYL CHLORIDE	.014	mg/kg	U	N	Y	U	U					CQTN6S	21:53
	SW8270	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						1,2-DICHLOROBENZENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						1,3-DICHLOROBENZENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						1,4-DICHLOROBENZENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,2'-OXYBIS(1-CHLOROPROPANE)	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,4,5-TRICHLOROPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,4,6-TRICHLOROPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,4-DICHLOROPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,4-DIMETHYLPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,4-DINITROPHENOL	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,4-DINITROTOLUENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2,6-DINITROTOLUENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2-CHLORONAPHTHALENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2-CHLOROPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2-METHYLNAPHTHALENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2-METHYLPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2-NITROANILINE	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						2-NITROPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						3,3'-DICHLOROBENZIDINE	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						3-NITROANILINE	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4,6-DINITRO-2-METHYLPHENOL	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-BROMOPHENYL PHENYL ETHER	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-CHLORO-3-METHYLPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-CHLOROANILINE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-CHLOROPHENYL PHENYL ETHER	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-METHYLPHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-NITROANILINE	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						4-NITROPHENOL	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						ACENAPHTHENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						ACENAPHTHYLENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						ANTHRACENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BENZO(A)ANTHRACENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BENZO(A)PYRENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BENZO(B)FLUORANTHENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BENZO(GHI)PERYLENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BENZO(K)FLUORANTHENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BIS(2-CHLOROETHOXY)METHANE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BIS(2-CHLOROETHYL) ETHER	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						BIS(2-ETHYLHEXYL) PHTHALATE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1001	SW8270	SW3550	N	0	1	BUTYL BENZYL PHTHALATE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						CARBAZOLE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						CHRYSENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						DI-N-BUTYL PHTHALATE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						DI-N-OCTYL PHTHALATE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						DIBENZ(A,H)ANTHRACENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						DIBENZOFURAN	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						DIETHYL PHTHALATE	.47	mg/kg	U	N	Y	U	UJ	04B	05B			CQTN6S	20:54
						DIMETHYL PHTHALATE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						FLUORANTHENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						FLUORENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						HEXACHLOROBENZENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						HEXACHLOROBUTADIENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						HEXACHLOROCYCLOPENTADIENE	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						HEXACHLOROETHANE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						INDENO(1,2,3-CD)PYRENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						ISOPHORONE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						N-NITROSODI-N-PROPYLAMINE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						N-NITROSODIPHENYLAMINE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						NAPHTHALENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						NITROBENZENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						PENTACHLOROPHENOL	2.3	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						PHENANTHRENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						PHENOL	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
						PYRENE	.47	mg/kg	U	N	Y	U	U					CQTN6S	20:54
	SW9060	METHOD	N	0	1.0	ORGANIC CARBON, TOTAL	20100	mg/kg		Y	Y	P						3042580001SA	19:21
FV1002	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CQTN9S	00:00
	SW6010	SW3050	N	0	1	ALUMINUM	3320	mg/kg		Y	Y	P						CQTN9S	13:49
						ANTIMONY	9.7	mg/kg	U	N	Y	U	UJ	08A				CQTN9S	13:49
						ARSENIC	1.3	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						BARIUM	33.1	mg/kg		Y	Y	P	J	08B				CQTN9S	13:49
						BERYLLIUM	0.61	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						CADMIUM	0.81	mg/kg	U	N	Y	U	UJ	08A				CQTN9S	13:49
						CALCIUM	133	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						CHROMIUM	5.6	mg/kg		Y	Y	P	J	08A	08B			CQTN9S	13:49
						COBALT	2.0	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						COPPER	2.7	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						IRON	5300	mg/kg		Y	Y	P						CQTN9S	13:49
						LEAD	8.8	mg/kg		Y	Y	P	J	08B				CQTN9S	13:49
						MAGNESIUM	111	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						MANGANESE	94.9	mg/kg		Y	Y	P	J	08A	08B			CQTN9S	13:49
						NICKEL	2.1	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						POTASSIUM	810	mg/kg	U	N	Y	U	U					CQTN9S	13:49

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1002	SW6010	SW3050	N	0	1	SELENIUM	0.76	mg/kg	B	Y	Y	P	J	15				CQTN9S	13:49
						SILVER	1.6	mg/kg	U	N	Y	U	U					CQTN9S	13:49
						SODIUM	29.8	mg/kg	B	Y	Y	F	B	06A	06B	06C		CQTN9S	13:49
						THALLIUM	1.6	mg/kg	U	N	Y	U	U					CQTN9S	13:49
						VANADIUM	8.3	mg/kg		Y	Y	P						CQTN9S	13:49
						ZINC	11.6	mg/kg		Y	Y	P	J	13				CQTN9S	13:49
	SW7471	TOTAL	N	0	1	MERCURY	0.035	mg/kg	B	Y	Y	P	J	15				CQTN9S	19:29
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,1,1-TRICHLOROETHANE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						1,1,2,2-TETRACHLOROETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,1,2-TRICHLOROETHANE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						1,1-DICHLOROETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,1-DICHLOROETHENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,1-DICHLOROPROPENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,2,3-TRICHLOROBENZENE	.0081	mg/kg	U	N	Y	U	UJ	04B	10A			CQTN9S	22:18
						1,2,3-TRICHLOROPROPANE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						1,2,4-TRICHLOROBENZENE	.0081	mg/kg	U	N	Y	U	UJ	04B	05B	10A		CQTN9S	22:18
						1,2,4-TRIMETHYLBENZENE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						1,2-DIBROMO-3-CHLOROPROPANE	.016	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,2-DIBROMOETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,2-DICHLOROBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,2-DICHLOROETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,2-DICHLOROPROPANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,3,5-TRIMETHYLBENZENE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						1,3-DICHLOROBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,3-DICHLOROPROPANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						1,4-DICHLOROBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						2,2-DICHLOROPROPANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						2-BUTANONE	.094	mg/kg		Y	Y	P	J	04A	07A	10A		CQTN9S	22:18
						2-CHLOROTOLUENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						2-HEXANONE	.032	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						4-CHLOROTOLUENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						4-METHYL-2-PENTANONE	.032	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						ACETONE	1.4	mg/kg	E	Y	N	F	R	16				CQTN9S	22:18
						BENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						BROMOBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						BROMOCHLOROMETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						BROMODICHLOROMETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						BROMOFORM	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						BROMOMETHANE	.016	mg/kg	U	N	Y	U	R	04A	04B	05B	10A	CQTN9S	22:18
						CARBON DISULFIDE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						CARBON TETRACHLORIDE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						CHLOROBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1002	SW8260	SW5030	N	0	1	CHLORODIBROMOMETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						CHLOROETHANE	.016	mg/kg	U	N	Y	U	UJ	04B	05B	10A		CQTN9S	22:18
						CHLOROFORM	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						CHLOROMETHANE	.016	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						CIS-1,2-DICHLOROETHENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						CIS-1,3-DICHLOROPROPENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						DIBROMOMETHANE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						DICHLORODIFLUOROMETHANE	.016	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						ETHYLBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						HEXACHLOROBUTADIENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						ISOPROPYLBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						M-XYLENE & P-XYLENE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						METHYLENE CHLORIDE	.0077	mg/kg	J B	Y	Y	F	B	04B	06A	07A	10A	CQTN9S	22:18
						N-BUTYLBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						N-PROPYLBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						NAPHTHALENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						O-XYLENE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						P-ISOPROPYLTOLUENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						SEC-BUTYLBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						STYRENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						TERT-BUTYLBENZENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						TETRACHLOROETHENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						TOLUENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						TRANS-1,2-DICHLOROETHENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						TRANS-1,3-DICHLOROPROPENE	.0081	mg/kg	U	N	Y	U	UJ	10A				CQTN9S	22:18
						TRICHLOROETHENE	.0081	mg/kg	U	N	Y	U	U					CQTN9S	22:18
						TRICHLOROFLUOROMETHANE	.0048	mg/kg	J	Y	Y	P	J	05B	07A	10A	15	CQTN9S	22:18
						VINYL CHLORIDE	.016	mg/kg	U	N	Y	U	U					CQTN9S	22:18
	SW8260	SW5030	N	1	1	ACETONE	1	mg/kg	J D B	Y	Y	F	B	04A	05A	05B	06A	CQTN9S	20:30
	SW8270	SW3550	N	0	1	1,2,4-TRICHLOROBENZENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						1,2-DICHLOROBENZENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						1,3-DICHLOROBENZENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						1,4-DICHLOROBENZENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,2'-OXYBIS(1-CHLOROPROPANE)	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,4,5-TRICHLOROPHENOL	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,4,6-TRICHLOROPHENOL	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,4-DICHLOROPHENOL	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,4-DIMETHYLPHENOL	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,4-DINITROPHENOL	2.6	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,4-DINITROTOLUENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2,6-DINITROTOLUENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2-CHLORONAPHTHALENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						2-CHLOROPHENOL	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1002	SW8270	SW3550	N 0 1	2-METHYLNAPHTHALENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				2-METHYLPHENOL	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				2-NITROANILINE	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				2-NITROPHENOL	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				3,3'-DICHLOROBENZIDINE	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				3-NITROANILINE	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				4,6-DINITRO-2-METHYLPHENOL	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-BROMOPHENYL PHENYL ETHER	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-CHLORO-3-METHYLPHENOL	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-CHLOROANILINE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-CHLOROPHENYL PHENYL ETHER	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-METHYLPHENOL	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-NITROANILINE	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				4-NITROPHENOL	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				ACENAPHTHENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				ACENAPHTHYLENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				ANTHRACENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BENZO(A)ANTHRACENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BENZO(A)PYRENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BENZO(B)FLUORANTHENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BENZO(GHI)PERYLENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BENZO(K)FLUORANTHENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BIS(2-CHLOROETHOXY)METHANE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BIS(2-CHLOROETHYL) ETHER	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BIS(2-ETHYLHEXYL) PHTHALATE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				BUTYL BENZYL PHTHALATE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				CARBAZOLE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				CHRYSENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				DI-N-BUTYL PHTHALATE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				DI-N-OCTYL PHTHALATE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				DIBENZ(A,H)ANTHRACENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				DIBENZOFURAN	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				DIETHYL PHTHALATE	.53	mg/kg	U	N Y U	UJ	04B	05B			CQTN9S	21:26
				DIMETHYL PHTHALATE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				FLUORANTHENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				FLUORENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				HEXACHLOROBENZENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				HEXACHLOROBUTADIENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				HEXACHLOROCYCLOPENTADIENE	2.6	mg/kg	U	N Y U	U					CQTN9S	21:26
				HEXACHLOROETHANE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				INDENO(1,2,3-CD)PYRENE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				ISOPHORONE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				N-NITROSODI-N-PROPYLAMINE	.53	mg/kg	U	N Y U	U					CQTN9S	21:26
				N-NITROSODIPHENYLAMINE	53	mg/kg	U	N Y U	U					CQTN9S	21:26

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1002	SW8270	SW3550	N	0	1	NAPHTHALENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						NITROBENZENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						PENTACHLOROPHENOL	2.6	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						PHENANTHRENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						PHENOL	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
						PYRENE	.53	mg/kg	U	N	Y	U	U					CQTN9S	21:26
	SW9060	METHOD	N	0	1.0	ORGANIC CARBON, TOTAL	26400	mg/kg		Y	Y	P						3042580002SA	19:59
FV1003	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CQTNAS	00:00
	SW6010	SW3050	N	0	1	ALUMINUM	4520	mg/kg		Y	Y	P						CQTNAS	13:53
						ANTIMONY	8.1	mg/kg	U	N	Y	U	UJ	08A				CQTNAS	13:53
						ARSENIC	1.5	mg/kg		Y	Y	P						CQTNAS	13:53
						BARIUM	35.7	mg/kg		Y	Y	P	J	08B				CQTNAS	13:53
						BERYLLIUM	0.49	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						CADMIUM	0.68	mg/kg	U	N	Y	U	UJ	08A				CQTNAS	13:53
						CALCIUM	88.5	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						CHROMIUM	4.1	mg/kg		Y	Y	P	J	08A	08B			CQTNAS	13:53
						COBALT	3.6	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						COPPER	2.5	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						IRON	5420	mg/kg		Y	Y	P						CQTNAS	13:53
						LEAD	7.0	mg/kg		Y	Y	P	J	08B				CQTNAS	13:53
						MAGNESIUM	182	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						MANGANESE	211	mg/kg		Y	Y	P	J	08A	08B			CQTNAS	13:53
						NICKEL	2.5	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						POTASSIUM	163	mg/kg	B	Y	Y	P	J	13	15			CQTNAS	13:53
						SELENIUM	0.63	mg/kg	B	Y	Y	P	J	15				CQTNAS	13:53
						SILVER	1.4	mg/kg	U	N	Y	U	U					CQTNAS	13:53
						SODIUM	39.4	mg/kg	B	Y	Y	F	B	06A	06B	06C		CQTNAS	13:53
						THALLIUM	1.4	mg/kg	U	N	Y	U	U					CQTNAS	13:53
						VANADIUM	8.5	mg/kg		Y	Y	P						CQTNAS	13:53
						ZINC	11.1	mg/kg		Y	Y	P	J	13				CQTNAS	13:53
	SW7471	TOTAL	N	0	1	MERCURY	0.034	mg/kg	B	Y	Y	P	J	15				CQTNAS	19:31
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,1,1-TRICHLOROETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,1,2,2-TETRACHLOROETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,1,2-TRICHLOROETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,1-DICHLOROETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,1-DICHLOROETHENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,1-DICHLOROPROPENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
						1,2,3-TRICHLOROBENZENE	.0068	mg/kg	U	N	Y	U	UJ	04B	10A			CQTNAS	22:43
						1,2,3-TRICHLOROPROPANE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
						1,2,4-TRICHLOROBENZENE	.0068	mg/kg	U	N	Y	U	UJ	04B	05B	10A		CQTNAS	22:43
						1,2,4-TRIMETHYLBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
						1,2-DIBROMO-3-CHLOROPROPANE	.014	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1003	SW8260	SW5030	N 0 1	1,2-DIBROMOETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				1,2-DICHLOROBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				1,2-DICHLOROETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				1,2-DICHLOROPROPANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				1,3,5-TRIMETHYLBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				1,3-DICHLOROBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				1,3-DICHLOROPROPANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				1,4-DICHLOROBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				2,2-DICHLOROPROPANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				2-BUTANONE	.027	mg/kg	U	N	Y	U	R	04A				CQTNAS	22:43
				2-CHLOROTOLUENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				2-HEXANONE	.027	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				4-CHLOROTOLUENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				4-METHYL-2-PENTANONE	.027	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				ACETONE	.048	mg/kg		Y	Y	P	J	04A	05A			CQTNAS	22:43
				BENZENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				BROMOBENZENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				BROMOCHLOROMETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				BROMODICHLOROMETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				BROMOFORM	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				BROMOMETHANE	.014	mg/kg	U	N	Y	U	R	04A	04B	05B		CQTNAS	22:43
				CARBON DISULFIDE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CARBON TETRACHLORIDE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CHLOROBENZENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CHLORODIBROMOMETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CHLOROETHANE	.014	mg/kg	U	N	Y	U	UJ	04B	05B			CQTNAS	22:43
				CHLOROFORM	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CHLOROMETHANE	.014	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CIS-1,2-DICHLOROETHENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				CIS-1,3-DICHLOROPROPENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				DIBROMOMETHANE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				DICHLORODIFLUOROMETHANE	.014	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				ETHYLBENZENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				HEXACHLOROBUTADIENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				ISOPROPYLBENZENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				M-XYLENE & P-XYLENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				METHYLENE CHLORIDE	.0044	mg/kg	J B	Y	Y	F	B	04B	06A	15		CQTNAS	22:43
				N-BUTYLBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				N-PROPYLBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				NAPHTHALENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				O-XYLENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43
				P-ISOPROPYLTOLUENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				SEC-BUTYLBENZENE	.0068	mg/kg	U	N	Y	U	UJ	10A				CQTNAS	22:43
				STYRENE	.0068	mg/kg	U	N	Y	U	U					CQTNAS	22:43

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1003	SW8260	SW5030	N 0 1	TERT-BUTYLBENZENE	.0068	mg/kg	U	N Y U	UJ	10A				CQTNAS	22:43
				TETRACHLOROETHENE	.0068	mg/kg	U	N Y U	U					CQTNAS	22:43
				TOLUENE	.0068	mg/kg	U	N Y U	U					CQTNAS	22:43
				TRANS-1,2-DICHLOROETHENE	.0068	mg/kg	U	N Y U	U					CQTNAS	22:43
				TRANS-1,3-DICHLOROPROPENE	.0068	mg/kg	U	N Y U	U					CQTNAS	22:43
				TRICHLOROETHENE	.0068	mg/kg	U	N Y U	U					CQTNAS	22:43
				TRICHLOROFLUOROMETHANE	.014	mg/kg	U	N Y U	UJ	05B				CQTNAS	22:43
				VINYL CHLORIDE	.014	mg/kg	U	N Y U	U					CQTNAS	22:43
	SW8270	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				1,2-DICHLOROBENZENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				1,3-DICHLOROBENZENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				1,4-DICHLOROBENZENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,2'-OXYBIS(1-CHLOROPROPANE)	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,4,5-TRICHLOROPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,4,6-TRICHLOROPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,4-DICHLOROPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,4-DIMETHYLPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,4-DINITROPHENOL	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,4-DINITROTOLUENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2,6-DINITROTOLUENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2-CHLORONAPHTHALENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2-CHLOROPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2-METHYLNAPHTHALENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2-METHYLPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				2-NITROANILINE	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				2-NITROPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				3,3'-DICHLOROBENZIDINE	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				3-NITROANILINE	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				4,6-DINITRO-2-METHYLPHENOL	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-BROMOPHENYL PHENYL ETHER	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-CHLORO-3-METHYLPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-CHLOROANILINE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-CHLOROPHENYL PHENYL ETHER	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-METHYLPHENOL	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-NITROANILINE	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				4-NITROPHENOL	2.2	mg/kg	U	N Y U	U					CQTNAS	21:59
				ACENAPHTHENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				ACENAPHTHYLENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				ANTHRACENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				BENZO(A)ANTHRACENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				BENZO(A)PYRENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				BENZO(B)FLUORANTHENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59
				BENZO(GHI)PERYLENE	.45	mg/kg	U	N Y U	U					CQTNAS	21:59

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1003	SW8270	SW3550	N	0	1	BENZO(K)FLUORANTHENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						BIS(2-CHLOROETHOXY)METHANE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						BIS(2-CHLOROETHYL) ETHER	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						BIS(2-ETHYLHEXYL) PHTHALATE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						BUTYL BENZYL PHTHALATE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						CARBAZOLE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						CHRYSENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						DI-N-BUTYL PHTHALATE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						DI-N-OCTYL PHTHALATE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						DIBENZ(A,H)ANTHRACENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						DIBENZOFURAN	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						DIETHYL PHTHALATE	.45	mg/kg	U	N	Y	U	UJ	04B	05B			CQTNAS	21:59
						DIMETHYL PHTHALATE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						FLUORANTHENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						FLUORENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						HEXACHLOROBENZENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						HEXACHLOROBUTADIENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						HEXACHLOROCYCLOPENTADIENE	2.2	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						HEXACHLOROETHANE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						INDENO(1,2,3-CD)PYRENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						ISOPHORONE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						N-NITROSODI-N-PROPYLAMINE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						N-NITROSODIPHENYLAMINE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						NAPHTHALENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						NITROBENZENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						PENTACHLOROPHENOL	2.2	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						PHENANTHRENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						PHENOL	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
						PYRENE	.45	mg/kg	U	N	Y	U	U					CQTNAS	21:59
	SW9060	METHOD	N	0	1.0	ORGANIC CARBON, TOTAL	7710	mg/kg		Y	Y	P						3042580003SA	20:38
FV1004	D2216	NONE	N	0	1	PERCENT MOISTURE				Y	Y	P						CQQT1S	00:00
	SW6010	SW3050	N	0	1	ALUMINUM	3120	mg/kg		Y	Y	P						CQQT1S	12:37
						ANTIMONY	8.6	mg/kg	U	N	Y	U	UJ	08A				CQQT1S	12:37
						ARSENIC	1.5	mg/kg		Y	Y	P						CQQT1S	12:37
						BARIUM	43.4	mg/kg		Y	Y	P	J	08B				CQQT1S	12:37
						BERYLLIUM	0.69	mg/kg	B	Y	Y	P	J	15				CQQT1S	12:37
						CADMIUM	0.71	mg/kg	U	N	Y	U	UJ	08A				CQQT1S	12:37
						CALCIUM	148	mg/kg	B	Y	Y	P	J	15				CQQT1S	12:37
						CHROMIUM	3.7	mg/kg		Y	Y	P	J	08A	08B			CQQT1S	12:37
						COBALT	9.7	mg/kg		Y	Y	P						CQQT1S	12:37
						COPPER	3.6	mg/kg		Y	Y	P						CQQT1S	12:37
						IRON	4890	mg/kg		Y	Y	P						CQQT1S	12:37
						LEAD	13.4	mg/kg		Y	Y	P	J	08B				CQQT1S	12:37

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1004	SW6010	SW3050	N 0 1	MAGNESIUM	151	mg/kg	B	Y Y P	J	15				CQQT1S	12:37
				MANGANESE	617	mg/kg		Y Y P	J	08A	08B			CQQT1S	12:37
				NICKEL	2.4	mg/kg	B	Y Y P	J	15				CQQT1S	12:37
				POTASSIUM	108	mg/kg	B	Y Y P	J	13	15			CQQT1S	12:37
				SELENIUM	0.63	mg/kg	B	Y Y P	J	15				CQQT1S	12:37
				SILVER	1.4	mg/kg	U	N Y U	U					CQQT1S	12:37
				SODIUM	54.6	mg/kg	B	Y Y F	B	06A	06B	06C		CQQT1S	12:37
				THALLIUM	1.4	mg/kg	U	N Y U	U					CQQT1S	12:37
				VANADIUM	6.9	mg/kg	B	Y Y P	J	15				CQQT1S	12:37
				ZINC	17.4	mg/kg		Y Y P	J	13				CQQT1S	12:37
	SW7471	TOTAL	N 0 1	MERCURY	0.034	mg/kg	B	Y Y P	J	15				CQQT1S	19:14
	SW8260	SW5030	N 0 1	1,1,1,2-TETRACHLOROETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,1,1-TRICHLOROETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,1,2,2-TETRACHLOROETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,1,2-TRICHLOROETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,1-DICHLOROETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,1-DICHLOROETHENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,1-DICHLOROPROPENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,2,3-TRICHLOROBENZENE	.0071	mg/kg	U	N Y U	UJ	04B	10A			CQQT1S	20:09
				1,2,3-TRICHLOROPROPANE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				1,2,4-TRICHLOROBENZENE	.0071	mg/kg	U	N Y U	UJ	04B	10A			CQQT1S	20:09
				1,2,4-TRIMETHYLBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				1,2-DIBROMO-3-CHLOROPROPANE	.014	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				1,2-DIBROMOETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,2-DICHLOROBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				1,2-DICHLOROETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,2-DICHLOROPROPANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,3,5-TRIMETHYLBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				1,3-DICHLOROBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				1,3-DICHLOROPROPANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				1,4-DICHLOROBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				2,2-DICHLOROPROPANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				2-BUTANONE	.0087	mg/kg	J	Y Y P	J	04A	15			CQQT1S	20:09
				2-CHLOROTOLUENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				2-HEXANONE	.029	mg/kg	U	N Y U	U					CQQT1S	20:09
				4-CHLOROTOLUENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				4-METHYL-2-PENTANONE	.029	mg/kg	U	N Y U	U					CQQT1S	20:09
				ACETONE	.2	mg/kg		Y Y P	J	04A	05A			CQQT1S	20:09
				BENZENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				BROMOBENZENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				BROMOCHLOROMETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				BROMODICHLOROMETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				BROMOFORM	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1004	SW8260	SW5030	N 0 1	BROMOMETHANE	.014	mg/kg	U	N Y U	R	04A	04B			CQQT1S	20:09
				CARBON DISULFIDE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				CARBON TETRACHLORIDE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				CHLOROBENZENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				CHLORODIBROMOMETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				CHLOROETHANE	.014	mg/kg	U	N Y U	UJ	04B	05B			CQQT1S	20:09
				CHLOROFORM	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				CHLOROMETHANE	.014	mg/kg	U	N Y U	U					CQQT1S	20:09
				CIS-1,2-DICHLOROETHENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				CIS-1,3-DICHLOROPROPENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				DIBROMOMETHANE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				DICHLORODIFLUOROMETHANE	.014	mg/kg	U	N Y U	U					CQQT1S	20:09
				ETHYLBENZENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				HEXACHLOROBUTADIENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				ISOPROPYLBENZENE	.0058	mg/kg	J	Y Y P	J	15				CQQT1S	20:09
				M-XYLENE & P-XYLENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				METHYLENE CHLORIDE	.0041	mg/kg	J B	Y Y F	B	04B	06A	15		CQQT1S	20:09
				N-BUTYLBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				N-PROPYLBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				NAPHTHALENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				O-XYLENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				P-ISOPROPYLTOLUENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				SEC-BUTYLBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				STYRENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				TERT-BUTYLBENZENE	.0071	mg/kg	U	N Y U	UJ	10A				CQQT1S	20:09
				TETRACHLOROETHENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				TOLUENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				TRANS-1,2-DICHLOROETHENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				TRANS-1,3-DICHLOROPROPENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				TRICHLOROETHENE	.0071	mg/kg	U	N Y U	U					CQQT1S	20:09
				TRICHLOROFLUOROMETHANE	.004	mg/kg	J	Y Y P	J	15				CQQT1S	20:09
				VINYL CHLORIDE	.014	mg/kg	U	N Y U	U					CQQT1S	20:09
	SW8270	SW3550	N 0 1	1,2,4-TRICHLOROBENZENE	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				1,2-DICHLOROBENZENE	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				1,3-DICHLOROBENZENE	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				1,4-DICHLOROBENZENE	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,2'-OXYBIS(1-CHLOROPROPANE)	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,4,5-TRICHLOROPHENOL	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,4,6-TRICHLOROPHENOL	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,4-DICHLOROPHENOL	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,4-DIMETHYLPHENOL	.47	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,4-DINITROPHENOL	2.3	mg/kg	U	N Y U	U					CQQT1S	19:41
				2,4-DINITROTOLUENE	.47	mg/kg	U	N Y U	U					CQQT1S	19:41

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1 2 3 4	Lab Sample:	Analysis Time:
FV1004	SW8270	SW3550	N 0 1	2,6-DINITROTOLUENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				2-CHLORONAPHTHALENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				2-CHLOROPHENOL	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				2-METHYLNAPHTHALENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				2-METHYLPHENOL	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				2-NITROANILINE	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				2-NITROPHENOL	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				3,3'-DICHLOROBENZIDINE	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				3-NITROANILINE	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				4,6-DINITRO-2-METHYLPHENOL	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-BROMOPHENYL PHENYL ETHER	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-CHLORO-3-METHYLPHENOL	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-CHLOROANILINE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-CHLOROPHENYL PHENYL ETHER	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-METHYLPHENOL	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-NITROANILINE	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				4-NITROPHENOL	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				ACENAPHTHENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				ACENAPHTHYLENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				ANTHRACENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BENZO(A)ANTHRACENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BENZO(A)PYRENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BENZO(B)FLUORANTHENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BENZO(GHI)PERYLENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BENZO(K)FLUORANTHENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BIS(2-CHLOROETHOXY)METHANE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BIS(2-CHLOROETHYL) ETHER	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BIS(2-ETHYLHEXYL) PHTHALATE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				BUTYL BENZYL PHTHALATE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				CARBAZOLE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				CHRYSENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				DI-N-BUTYL PHTHALATE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				DI-N-OCTYL PHTHALATE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				DIBENZ(A,H)ANTHRACENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				DIBENZOFURAN	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				DIETHYL PHTHALATE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				DIMETHYL PHTHALATE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				FLUORANTHENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				FLUORENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				HEXACHLOROBENZENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				HEXACHLOROBUTADIENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				HEXACHLOROCYCLOPENTADIENE	2.3	mg/kg	U	N Y U	U		CQQT1S	19:41
				HEXACHLOROETHANE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41
				INDENO(1,2,3-CD)PYRENE	.47	mg/kg	U	N Y U	U		CQQT1S	19:41

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV1004	SW8270	SW3550	N	0	1	ISOPHORONE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						N-NITROSODI-N-PROPYLAMINE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						N-NITROSODIPHENYLAMINE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						NAPHTHALENE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						NITROBENZENE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						PENTACHLOROPHENOL	2.3	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						PHENANTHRENE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						PHENOL	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
						PYRENE	.47	mg/kg	U	N	Y	U	U					CQQT1S	19:41
	SW9060	METHOD	N	0	1.0	ORGANIC CARBON, TOTAL	16700	mg/kg		Y	Y	P	J	08A				3042140001SA	13:51
FV2001	SW6010	SW3005	N	0	1	ALUMINUM	.1	mg/L	B	Y	Y	F	B	06B	15			CQTK0W	18:46
						ANTIMONY	.06	mg/L	U	N	Y	U	U					CQTK0W	18:46
						BARIUM	.0272	mg/L	B	Y	Y	P	J	15				CQTK0W	18:46
						BERYLLIUM	.005	mg/L	U	N	Y	U	U					CQTK0W	18:46
						CADMIUM	.005	mg/L	U	N	Y	U	U					CQTK0W	18:46
						CALCIUM	.66	mg/L	B	Y	Y	P	J	15				CQTK0W	18:46
						CHROMIUM	.01	mg/L	U	N	Y	U	U					CQTK0W	18:46
						COBALT	.05	mg/L	U	N	Y	U	U					CQTK0W	18:46
						COPPER	.025	mg/L	U	N	Y	U	U					CQTK0W	18:46
						IRON	.1	mg/L	U	N	Y	U	U					CQTK0W	18:46
						MAGNESIUM	.521	mg/L	B	Y	Y	P	J	15				CQTK0W	18:46
						MANGANESE	.014	mg/L	B	Y	Y	P	J	15				CQTK0W	18:46
						NICKEL	.04	mg/L	U	N	Y	U	U					CQTK0W	18:46
						POTASSIUM	5	mg/L	U	N	Y	U	U					CQTK0W	18:46
						SILVER	.01	mg/L	U	N	Y	U	U					CQTK0W	18:46
						SODIUM	.695	mg/L	B	Y	Y	F	B	06A	06B	15	17	CQTK0W	18:46
						VANADIUM	.05	mg/L	U	N	Y	U	U					CQTK0W	18:46
						ZINC	.02	mg/L	U	N	Y	U	U					CQTK0W	18:46
	SW6010	TOTREC	N	0	1	ARSENIC	.01	mg/L	U	N	Y	U	U					CQTK0W	18:46
						LEAD	.003	mg/L	U	N	Y	U	U					CQTK0W	18:46
						SELENIUM	.005	mg/L	U	N	Y	U	U					CQTK0W	18:46
						THALLIUM	.01	mg/L	U	N	Y	U	U					CQTK0W	18:46
	SW7470	TOTAL	N	0	1	MERCURY	.0002	mg/L	U	N	Y	U	U					CQTK0W	18:50
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
						1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
						1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
						1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
						1,1-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
						1,1-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
						1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
						1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
						1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
						1,2,4-TRICHLOROBENZENE	001	mg/L	U	N	Y	U	U					CQTK0W	02:35

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2001	SW8260	SW5030	N 0 1	1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y	U	R	04A	05A	05B		CQTK0W	02:35
				1,2-DIBROMOETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				1,2-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				1,2-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				1,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				1,3-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				1,3-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				1,4-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				2,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				2-BUTANONE	.005	mg/L	U	N	Y	U	R	04A	05A			CQTK0W	02:35
				2-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				2-HEXANONE	.005	mg/L	U	N	Y	U	U					CQTK0W	02:35
				4-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				4-METHYL-2-PENTANONE	.005	mg/L	U	N	Y	U	U					CQTK0W	02:35
				ACETONE	.0013	mg/L	J B	Y	Y	F	B	04A	05A	05B	06A	CQTK0W	02:35
				BENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				BROMOBENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				BROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U	R	04A	05A			CQTK0W	02:35
				BROMODICHLOROMETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				BROMOFORM	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				BROMOMETHANE	.002	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CARBON DISULFIDE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CARBON TETRACHLORIDE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				CHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CHLORODIBROMOMETHANE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CHLOROETHANE	.002	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CHLOROFORM	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CHLOROMETHANE	.002	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				DIBROMOMETHANE	.001	mg/L	U	N	Y	U	R	04A	05A			CQTK0W	02:35
				DICHLORODIFLUOROMETHANE	.002	mg/L	U	N	Y	U	U					CQTK0W	02:35
				ETHYLBENZENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				HEXACHLOROBUTADIENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				ISOPROPYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				M-XYLENE & P-XYLENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				METHYLENE CHLORIDE	.001	mg/L	U	N	Y	U	UJ	04B				CQTK0W	02:35
				N-BUTYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				N-PROPYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35
				NAPHTHALENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				O-XYLENE	.001	mg/L	U	N	Y	U	U					CQTK0W	02:35
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK0W	02:35

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2001	SW8260	SW5030	N 0 1	SEC-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK0W	02:35
				STYRENE	.001	mg/L	U	N Y U	U					CQTK0W	02:35
				TERT-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK0W	02:35
				TETRACHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK0W	02:35
				TOLUENE	.001	mg/L	U	N Y U	U					CQTK0W	02:35
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK0W	02:35
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U					CQTK0W	02:35
				TRICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK0W	02:35
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y U	UJ	05B				CQTK0W	02:35
				VINYL CHLORIDE	.002	mg/L	U	N Y U	U					CQTK0W	02:35
	SW8270	SW3520	N 0 1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				1,2-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				1,3-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				1,4-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,4-DICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,4-DINITROPHENOL	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				2,4-DINITROTOLUENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2,6-DINITROTOLUENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2-CHLORONAPHTHALENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2-CHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2-METHYLNAPHTHALENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				2-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				2-NITROPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				3-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				4-CHLOROANILINE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				4-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				4-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				4-NITROPHENOL	.05	mg/L	U	N Y U	U					CQTK0W	09:03
				ACENAPHTHENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				ACENAPHTHYLENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				BENZO(A)ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03
				BENZO(A)PYRENE	.01	mg/L	U	N Y U	U					CQTK0W	09:03

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2001	SW8270	SW3520	N	0	1	BENZO(B)FLUORANTHENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						BENZO(GHI)PERYLENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						BENZO(K)FLUORANTHENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						BUTYL BENZYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						CARBAZOLE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						CHRYSENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						DI-N-BUTYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						DI-N-OCTYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						DIBENZOFURAN	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						DIETHYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						DIMETHYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						FLUORANTHENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						FLUORENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						HEXACHLOROBENZENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						HEXACHLOROBUTADIENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N	Y	U	UJ	04B	05B			CQTK0W	09:03
						HEXACHLOROETHANE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						ISOPHORONE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						N-NITROSODIPHENYLAMINE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						NAPHTHALENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						NITROBENZENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						PENTACHLOROPHENOL	.05	mg/L	U	N	Y	U	U					CQTK0W	09:03
						PHENANTHRENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						PHENOL	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
						PYRENE	.01	mg/L	U	N	Y	U	U					CQTK0W	09:03
FV2002	SW6010	SW3005	N	0	1	ALUMINUM	.0898	mg/L	B	Y	Y	F	B	06B	15			CQTK2W	18:51
						ANTIMONY	.06	mg/L	U	N	Y		U					CQTK2W	18:51
						BARIUM	.0279	mg/L	B	Y	Y		J	15				CQTK2W	18:51
						BERYLLIUM	.005	mg/L	U	N	Y		U					CQTK2W	18:51
						CADMIUM	.005	mg/L	U	N	Y		U					CQTK2W	18:51
						CALCIUM	.659	mg/L	B	Y	Y		J	15				CQTK2W	18:51
						CHROMIUM	.01	mg/L	U	N	Y		U					CQTK2W	18:51
						COBALT	.05	mg/L	U	N	Y		U					CQTK2W	18:51
						COPPER	.025	mg/L	U	N	Y		U					CQTK2W	18:51
						IRON	.1	mg/L	U	N	Y		U					CQTK2W	18:51
						MAGNESIUM	.534	mg/L	B	Y	Y		J	15				CQTK2W	18:51
						MANGANESE	.0147	mg/L	B	Y	Y		J	15				CQTK2W	18:51

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2002	SW6010	SW3005	N 0 1	NICKEL	.04	mg/L	U	N Y	U					CQTK2W	18:51
				POTASSIUM	5	mg/L	U	N Y	U					CQTK2W	18:51
				SILVER	.01	mg/L	U	N Y	U					CQTK2W	18:51
				SODIUM	1.02	mg/L	B	Y Y F	B	06A	06B	15	17	CQTK2W	18:51
				VANADIUM	.05	mg/L	U	N Y	U					CQTK2W	18:51
				ZINC	.02	mg/L	U	N Y	U					CQTK2W	18:51
	SW6010	TOTREC	N 0 1	ARSENIC	.01	mg/L	U	N Y	U					CQTK2W	18:51
				LEAD	.003	mg/L	U	N Y	U					CQTK2W	18:51
				SELENIUM	.005	mg/L	U	N Y	U					CQTK2W	18:51
				THALLIUM	.01	mg/L	U	N Y	U					CQTK2W	18:51
	SW7470	TOTAL	N 0 1	MERCURY	.0002	mg/L	U	N Y	U					CQTK2W	18:52
	SW8260	SW5030	N 0 1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,1,1-TRICHLOROETHANE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,1,2-TRICHLOROETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,1-DICHLOROETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,1-DICHLOROETHENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,1-DICHLOROPROPENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N Y	R	04A	05A	05B		CQTK2W	03:02
				1,2-DIBROMOETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,2-DICHLOROBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,2-DICHLOROETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,2-DICHLOROPROPANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				1,3-DICHLOROBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,3-DICHLOROPROPANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				1,4-DICHLOROBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				2,2-DICHLOROPROPANE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				2-BUTANONE	.005	mg/L	U	N Y	R	04A	05A			CQTK2W	03:02
				2-CHLOROTOLUENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				2-HEXANONE	.005	mg/L	U	N Y	U					CQTK2W	03:02
				4-CHLOROTOLUENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				4-METHYL-2-PENTANONE	.005	mg/L	U	N Y	U					CQTK2W	03:02
				ACETONE	.01	mg/L	U	N Y	R	04A	05A	05B		CQTK2W	03:02
				BENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				BROMOBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				BROMOCHLOROMETHANE	.001	mg/L	U	N Y	R	04A	05A			CQTK2W	03:02
				BROMODICHLOROMETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				BROMOFORM	.001	mg/L	U	N Y	U					CQTK2W	03:02

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2002	SW8260	SW5030	N 0 1	BROMOMETHANE	.002	mg/L	U	N Y	U					CQTK2W	03:02
				CARBON DISULFIDE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				CARBON TETRACHLORIDE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				CHLOROBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				CHLORODIBROMOMETHANE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				CHLOROETHANE	.002	mg/L	U	N Y	U					CQTK2W	03:02
				CHLOROFORM	.001	mg/L	U	N Y	U					CQTK2W	03:02
				CHLOROMETHANE	.002	mg/L	U	N Y	U					CQTK2W	03:02
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				DIBROMOMETHANE	.001	mg/L	U	N Y	R	04A	05A			CQTK2W	03:02
				DICHLORODIFLUOROMETHANE	.002	mg/L	U	N Y	U					CQTK2W	03:02
				ETHYLBENZENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				HEXACHLOROBUTADIENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				ISOPROPYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				M-XYLENE & P-XYLENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				METHYLENE CHLORIDE	.001	mg/L	U	N Y	UJ	04B				CQTK2W	03:02
				N-BUTYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				N-PROPYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				NAPHTHALENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				O-XYLENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				SEC-BUTYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				STYRENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				TERT-BUTYLBENZENE	.001	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				TETRACHLOROETHENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				TOLUENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				TRICHLOROETHENE	.001	mg/L	U	N Y	U					CQTK2W	03:02
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y	UJ	05B				CQTK2W	03:02
				VINYL CHLORIDE	.002	mg/L	U	N Y	U					CQTK2W	03:02
	SW8270	SW3520	N 0 1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				1,2-DICHLOROBENZENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				1,3-DICHLOROBENZENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				1,4-DICHLOROBENZENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2,4-DICHLOROPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2,4-DINITROPHENOL	.05	mg/L	U	N Y	U					CQTK2W	09:38
				2,4-DINITROTOLUENE	.01	mg/L	U	N Y	U					CQTK2W	09:38

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2002	SW8270	SW3520	N 0 1	2,6-DINITROTOLUENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2-CHLORONAPHTHALENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2-CHLOROPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2-METHYLNAPHTHALENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2-METHYLPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				2-NITROANILINE	.05	mg/L	U	N Y	U					CQTK2W	09:38
				2-NITROPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y	U					CQTK2W	09:38
				3-NITROANILINE	.05	mg/L	U	N Y	U					CQTK2W	09:38
				4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y	U					CQTK2W	09:38
				4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y	U					CQTK2W	09:38
				4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				4-CHLOROANILINE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y	U					CQTK2W	09:38
				4-METHYLPHENOL	.01	mg/L	U	N Y	U					CQTK2W	09:38
				4-NITROANILINE	.05	mg/L	U	N Y	U					CQTK2W	09:38
				4-NITROPHENOL	.05	mg/L	U	N Y	U					CQTK2W	09:38
				ACENAPHTHENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				ACENAPHTHYLENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				ANTHRACENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BENZO(A)ANTHRACENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BENZO(A)PYRENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BENZO(GHI)PERYLENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BENZO(K)FLUORANTHENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				BUTYL BENZYL PHTHALATE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				CARBAZOLE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				CHRYSENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				DI-N-BUTYL PHTHALATE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				DI-N-OCTYL PHTHALATE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				DIBENZOFURAN	.01	mg/L	U	N Y	U					CQTK2W	09:38
				DIETHYL PHTHALATE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				DIMETHYL PHTHALATE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				FLUORANTHENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				FLUORENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				HEXACHLOROBENZENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				HEXACHLOROBUTADIENE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N Y	UJ	04B	05B			CQTK2W	09:38
				HEXACHLOROETHANE	.01	mg/L	U	N Y	U					CQTK2W	09:38
				INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N Y	U					CQTK2W	09:38

Validation Qualifier Data Entry Verification

Run Date: November 17, 2000

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2002	SW8270	SW3520	N	0	1	ISOPHORONE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						N-NITROSODIPHENYLAMINE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						NAPHTHALENE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						NITROBENZENE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						PENTACHLOROPHENOL	.05	mg/L	U	N	Y		U					CQTK2W	09:38
						PHENANTHRENE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						PHENOL	.01	mg/L	U	N	Y		U					CQTK2W	09:38
						PYRENE	.01	mg/L	U	N	Y		U					CQTK2W	09:38
FV2004	SW6010	SW3005	N	0	1	ALUMINUM	.0944	mg/L	B	Y	Y	F	B	06B	15			CQTK3W	18:55
						ANTIMONY	.06	mg/L	U	N	Y	U	U					CQTK3W	18:55
						BARIUM	.0345	mg/L	B	Y	Y	P	J	15				CQTK3W	18:55
						BERYLLIUM	.005	mg/L	U	N	Y	U	U					CQTK3W	18:55
						CADMIUM	.005	mg/L	U	N	Y	U	U					CQTK3W	18:55
						CALCIUM	.769	mg/L	B	Y	Y	P	J	15				CQTK3W	18:55
						CHROMIUM	.01	mg/L	U	N	Y	U	U					CQTK3W	18:55
						COBALT	.05	mg/L	U	N	Y	U	U					CQTK3W	18:55
						COPPER	.025	mg/L	U	N	Y	U	U					CQTK3W	18:55
						IRON	.1	mg/L	U	N	Y	U	U					CQTK3W	18:55
						MAGNESIUM	.629	mg/L	B	Y	Y	P	J	15				CQTK3W	18:55
						MANGANESE	.025	mg/L		Y	Y	P						CQTK3W	18:55
						NICKEL	.04	mg/L	U	N	Y	U	U					CQTK3W	18:55
						POTASSIUM	5	mg/L	U	N	Y	U	U					CQTK3W	18:55
						SILVER	.01	mg/L	U	N	Y	U	U					CQTK3W	18:55
						SODIUM	.866	mg/L	B	Y	Y	F	B	06A	06B	15		CQTK3W	18:55
						VANADIUM	.05	mg/L	U	N	Y	U	U					CQTK3W	18:55
						ZINC	.02	mg/L	U	N	Y	U	U					CQTK3W	18:55
	SW6010	TOTREC	N	0	1	ARSENIC	.01	mg/L	U	N	Y	U	U					CQTK3W	18:55
						LEAD	.003	mg/L	U	N	Y	U	U					CQTK3W	18:55
						SELENIUM	.005	mg/L	U	N	Y	U	U					CQTK3W	18:55
						THALLIUM	.01	mg/L	U	N	Y	U	U					CQTK3W	18:55
	SW7470	TOTAL	N	0	1	MERCURY	.0002	mg/L	U	N	Y	U	U					CQTK3W	18:55
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
						1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,1-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,1-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
						1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
						1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
						1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2004	SW8260	SW5030	N 0 1	1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y	U	R	04A	05A	05B		CQTK3W	03:28
				1,2-DIBROMOETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				1,2-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				1,2-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				1,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				1,3-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				1,3-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				1,4-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				2,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				2-BUTANONE	.005	mg/L	U	N	Y	U	R	04A	05A			CQTK3W	03:28
				2-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				2-HEXANONE	.005	mg/L	U	N	Y	U	U					CQTK3W	03:28
				4-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				4-METHYL-2-PENTANONE	.005	mg/L	U	N	Y	U	U					CQTK3W	03:28
				ACETONE	.01	mg/L	U	N	Y	U	R	04A	05A	05B		CQTK3W	03:28
				BENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				BROMOBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				BROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U	R	04A	05A			CQTK3W	03:28
				BROMODICHLOROMETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				BROMOFORM	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				BROMOMETHANE	.002	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CARBON DISULFIDE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CARBON TETRACHLORIDE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				CHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CHLORODIBROMOMETHANE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CHLOROETHANE	.002	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CHLOROFORM	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CHLOROMETHANE	.002	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				DIBROMOMETHANE	.001	mg/L	U	N	Y	U	R	04A	05A			CQTK3W	03:28
				DICHLORODIFLUOROMETHANE	.002	mg/L	U	N	Y	U	U					CQTK3W	03:28
				ETHYLBENZENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				HEXACHLOROBUTADIENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				ISOPROPYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				M-XYLENE & P-XYLENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				METHYLENE CHLORIDE	.001	mg/L	U	N	Y	U	UJ	04B				CQTK3W	03:28
				N-BUTYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				N-PROPYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK3W	03:28
				NAPHTHALENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				O-XYLENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK3W	03:28
				SEC-BUTYLBENZENE	.01	mg/L	U	N	Y	U	UJ	05B				CQTK3	03:28

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2004	SW8260	SW5030	N 0 1	STYRENE	.001	mg/L	U	N Y U	U					CQTK3W	03:28
				TERT-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK3W	03:28
				TETRACHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK3W	03:28
				TOLUENE	.001	mg/L	U	N Y U	U					CQTK3W	03:28
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK3W	03:28
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U					CQTK3W	03:28
				TRICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK3W	03:28
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y U	UJ	05B				CQTK3W	03:28
				VINYL CHLORIDE	.002	mg/L	U	N Y U	U					CQTK3W	03:28
	SW8270	SW3520	N 0 1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				1,2-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				1,3-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				1,4-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,4-DICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,4-DINITROPHENOL	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				2,4-DINITROTOLUENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2,6-DINITROTOLUENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2-CHLORONAPHTHALENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2-CHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2-METHYLNAPHTHALENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				2-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				2-NITROPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				3-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				4-CHLOROANILINE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				4-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				4-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				4-NITROPHENOL	.05	mg/L	U	N Y U	U					CQTK3W	10:13
				ACENAPHTHENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				ACENAPHTHYLENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				BENZO(A)ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				BENZO(A)PYRENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13
				BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y U	U					CQTK3W	10:13

Validation Qualifier Data Entry Verification
Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2004	SW8270	SW3520	N 0 1	BENZO(GHI)PERYLENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				BENZO(K)FLUORANTHENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				BUTYL BENZYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				CARBAZOLE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				CHRYSENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				DI-N-BUTYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				DI-N-OCTYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				DIBENZOFURAN	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				DIETHYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				DIMETHYL PHTHALATE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				FLUORANTHENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				FLUORENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				HEXACHLOROBENZENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				HEXACHLOROBUTADIENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N	Y	U	UJ	04B	05B			CQTK3W	10:13
				HEXACHLOROETHANE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				ISOPHORONE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				N-NITROSODIPHENYLAMINE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				NAPHTHALENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				NITROBENZENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				PENTACHLOROPHENOL	.05	mg/L	U	N	Y	U	U					CQTK3W	10:13
				PHENANTHRENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				PHENOL	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
				PYRENE	.01	mg/L	U	N	Y	U	U					CQTK3W	10:13
FV2005	SW6010	SW3005	N 0 1	ALUMINUM	.114	mg/L	B	Y	Y	F	B	06B	15			CQTK4W	19:00
				ANTIMONY	.06	mg/L	U	N	Y	U	U					CQTK4W	19:00
				BARIUM	.0336	mg/L	B	Y	Y	P	J	15				CQTK4W	19:00
				BERYLLIUM	.005	mg/L	U	N	Y	U	U					CQTK4W	19:00
				CADMIUM	.005	mg/L	U	N	Y	U	U					CQTK4W	19:00
				CALCIUM	.71	mg/L	B	Y	Y	P	J	15				CQTK4W	19:00
				CHROMIUM	.01	mg/L	U	N	Y	U	U					CQTK4W	19:00
				COBALT	.05	mg/L	U	N	Y	U	U					CQTK4W	19:00
				COPPER	.025	mg/L	U	N	Y	U	U					CQTK4W	19:00
				IRON	.1	mg/L	U	N	Y	U	U					CQTK4W	19:00
				MAGNESIUM	.566	mg/L	B	Y	Y	P	J	15				CQTK4W	19:00
				MANGANESE	.0171	mg/L		Y	Y	P						CQTK4W	19:00
				NICKEL	.04	mg/L	U	N	Y	U	U					CQTK4W	19:00

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2005	SW6010	SW3005	N	0	1	POTASSIUM	5	mg/L	U	N	Y	U	U					CQTK4W	19:00
						SILVER	.01	mg/L	U	N	Y	U	U					CQTK4W	19:00
						SODIUM	.671	mg/L	B	Y	Y	F	B	06A	06B	15		CQTK4W	19:00
						VANADIUM	.05	mg/L	U	N	Y	U	U					CQTK4W	19:00
						ZINC	.02	mg/L	U	N	Y	U	U					CQTK4W	19:00
	SW6010	TOTREC	N	0	1	ARSENIC	.01	mg/L	U	N	Y	U	U					CQTK4W	19:00
						LEAD	.003	mg/L	U	N	Y	U	U					CQTK4W	19:00
						SELENIUM	.005	mg/L	U	N	Y	U	U					CQTK4W	19:00
						THALLIUM	.01	mg/L	U	N	Y	U	U					CQTK4W	19:00
	SW7470	TOTAL	N	0	1	MERCURY	.0002	mg/L	U	N	Y	U	U					CQTK4W	18:57
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK4W	01:42
						1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,1-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,1-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK4W	01:42
						1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK4W	01:42
						1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK4W	01:42
						1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y	U	R	04A	05A	05B		CQTK4W	01:42
						1,2-DIBROMOETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,2-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,2-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK4W	01:42
						1,3-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,3-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						1,4-DICHLOROBENZENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						2,2-DICHLOROPROPANE	.001	mg/L	U	N	Y	U	UJ	05B				CQTK4W	01:42
						2-BUTANONE	.005	mg/L	U	N	Y	U	R	04A	05A			CQTK4W	01:42
						2-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						2-HEXANONE	.005	mg/L	U	N	Y	U	U					CQTK4W	01:42
						4-CHLOROTOLUENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						4-METHYL-2-PENTANONE	.005	mg/L	U	N	Y	U	U					CQTK4W	01:42
						ACETONE	.01	mg/L	U	N	Y	U	R	04A	05A	05B		CQTK4W	01:42
						BENZENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						BROMOBENZENE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						BROMOCHLOROMETHANE	.001	mg/L	U	N	Y	U	R	04A	05A			CQTK4W	01:42
						BROMODICHLOROMETHANE	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						BROMOFORM	.001	mg/L	U	N	Y	U	U					CQTK4W	01:42
						BROMOMETHANE	.002	mg/L	U	N	Y	U	U					CQTK4W	01:42

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2005	SW8260	SW5030	N 0 1	CARBON DISULFIDE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				CARBON TETRACHLORIDE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				CHLOROBENZENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				CHLORODIBROMOMETHANE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				CHLOROETHANE	.002	mg/L	U	N Y U	U					CQTK4W	01:42
				CHLOROFORM	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				CHLOROMETHANE	.002	mg/L	U	N Y U	U					CQTK4W	01:42
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				DIBROMOMETHANE	.001	mg/L	U	N Y U	R	04A	05A			CQTK4W	01:42
				DICHLORODIFLUOROMETHANE	.002	mg/L	U	N Y U	U					CQTK4W	01:42
				ETHYLBENZENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				HEXACHLOROBUTADIENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				ISOPROPYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				M-XYLENE & P-XYLENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				METHYLENE CHLORIDE	.001	mg/L	U	N Y U	UJ	04B				CQTK4W	01:42
				N-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				N-PROPYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				NAPHTHALENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				O-XYLENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				SEC-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				STYRENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				TERT-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				TETRACHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				TOLUENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				TRICHLOROETHENE	.001	mg/L	U	N Y U	U					CQTK4W	01:42
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y U	UJ	05B				CQTK4W	01:42
				VINYL CHLORIDE	.002	mg/L	U	N Y U	U					CQTK4W	01:42
	SW8270	SW3520	N 0 1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				1,2-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				1,3-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				1,4-DICHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,4-DICHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,4-DINITROPHENOL	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				2,4-DINITROTOLUENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2,6-DINITROTOLUENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2005	SW8270	SW3520	N 0 1	2-CHLORONAPHTHALENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2-CHLOROPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2-METHYLNAPHTHALENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				2-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				2-NITROPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				3-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				4-CHLOROANILINE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				4-METHYLPHENOL	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				4-NITROANILINE	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				4-NITROPHENOL	.05	mg/L	U	N Y U	U					CQTK4W	10:47
				ACENAPHTHENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				ACENAPHTHYLENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BENZO(A)ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BENZO(A)PYRENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BENZO(GHI)PERYLENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BENZO(K)FLUORANTHENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				BUTYL BENZYL PHTHALATE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				CARBAZOLE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				CHRYSENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				DI-N-BUTYL PHTHALATE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				DI-N-OCTYL PHTHALATE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				DIBENZOFURAN	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				DIETHYL PHTHALATE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				DIMETHYL PHTHALATE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				FLUORANTHENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				FLUORENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				HEXACHLOROBENZENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				HEXACHLOROBUTADIENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N Y U	UJ	04B	05B			CQTK4W	10:47
				HEXACHLOROETHANE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N Y U	U					CQTK4W	10:47
				ISOPHORONE	.01	mg/L	U	N Y U	U					CQTK4W	10:47

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt	REX	Dil:	Parameter:	Result:	Units:	Qlfr:	Hit	Use	BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2005	SW8270	SW3520	N	0	1	N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
						N-NITROSODIPHENYLAMINE	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
						NAPHTHALENE	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
						NITROBENZENE	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
						PENTACHLOROPHENOL	.05	mg/L	U	N	Y	U	U					CQTK4W	10:47
						PHENANTHRENE	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
						PHENOL	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
						PYRENE	.01	mg/L	U	N	Y	U	U					CQTK4W	10:47
FV2006	SW6010	SW3005	N	0	1	ALUMINUM	.116	mg/L	B	Y	Y	F	B	06B	15			CQQWQW	17:42
						ANTIMONY	.06	mg/L	U	N	Y	U	U					CQQWQW	17:42
						BARIUM	.0326	mg/L	B	Y	Y	P	J	15				CQQWQW	17:42
						BERYLLIUM	.005	mg/L	U	N	Y	U	U					CQQWQW	17:42
						CADMIUM	.005	mg/L	U	N	Y	U	U					CQQWQW	17:42
						CALCIUM	.701	mg/L	B	Y	Y	P	J	15				CQQWQW	17:42
						CHROMIUM	.01	mg/L	U	N	Y	U	U					CQQWQW	17:42
						COBALT	.05	mg/L	U	N	Y	U	U					CQQWQW	17:42
						COPPER	.025	mg/L	U	N	Y	U	U					CQQWQW	17:42
						IRON	.1	mg/L	U	N	Y	U	U					CQQWQW	17:42
						MAGNESIUM	.593	mg/L	B	Y	Y	P	J	15				CQQWQW	17:42
						MANGANESE	.0139	mg/L	B	Y	Y	P	J	15				CQQWQW	17:42
						NICKEL	.04	mg/L	U	N	Y	U	U					CQQWQW	17:42
						POTASSIUM	.897	mg/L	B	Y	Y	F	B	06B	15			CQQWQW	17:42
						SILVER	.01	mg/L	U	N	Y	U	U					CQQWQW	17:42
						SODIUM	1.39	mg/L	B	Y	Y	F	B	06A	06B	15		CQQWQW	17:42
						VANADIUM	.05	mg/L	U	N	Y	U	U					CQQWQW	17:42
						ZINC	.02	mg/L	U	N	Y	U	U					CQQWQW	17:42
	SW6010	TOTREC	N	0	1	ARSENIC	.01	mg/L	U	N	Y	U	U					CQQWQW	17:42
						LEAD	.003	mg/L	U	N	Y	U	U					CQQWQW	17:42
						SELENIUM	.005	mg/L	U	N	Y	U	U					CQQWQW	17:42
						THALLIUM	.0047	mg/L	B	Y	Y	P	J	15				CQQWQW	17:42
	SW7470	TOTAL	N	0	1	MERCURY	.0002	mg/L	U	N	Y	U	U					CQQWQW	18:24
	SW8260	SW5030	N	0	1	1,1,1,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,1,1-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,1,2,2-TETRACHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,1,2-TRICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,1-DICHLOROETHANE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,1-DICHLOROETHENE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,1-DICHLOROPROPENE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,2,3-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQQWQW	21:42
						1,2,3-TRICHLOROPROPANE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,2,4-TRICHLOROBENZENE	.001	mg/L	U	N	Y	U	UJ	05B				CQQWQW	21:42
						1,2,4-TRIMETHYLBENZENE	.001	mg/L	U	N	Y	U	U					CQQWQW	21:42
						1,2-DIBROMO-3-CHLOROPROPANE	.002	mg/L	U	N	Y	U	R	04A	05A	05B		CQQWOW	21:42

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2006	SW8260	SW5030	N 0 1	1,2-DIBROMOETHANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				1,2-DICHLOROBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				1,2-DICHLOROETHANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				1,2-DICHLOROPROPANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				1,3,5-TRIMETHYLBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				1,3-DICHLOROBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				1,3-DICHLOROPROPANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				1,4-DICHLOROBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				2,2-DICHLOROPROPANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				2-BUTANONE	.005	mg/L	U	N Y U	R	04A	05A	05B		CQQWQW	21:42
				2-CHLOROTOLUENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				2-HEXANONE	.005	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				4-CHLOROTOLUENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				4-METHYL-2-PENTANONE	.005	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				ACETONE	.01	mg/L	U	N Y U	R	04A	04B	05A		CQQWQW	21:42
				BENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				BROMOBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				BROMOCHLOROMETHANE	.001	mg/L	U	N Y U	R	04A	05A			CQQWQW	21:42
				BROMODICHLOROMETHANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				BROMOFORM	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				BROMOMETHANE	.002	mg/L	U	N Y U	U					CQQWQW	21:42
				CARBON DISULFIDE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				CARBON TETRACHLORIDE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				CHLOROBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				CHLORODIBROMOMETHANE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				CHLOROETHANE	.002	mg/L	U	N Y U	U					CQQWQW	21:42
				CHLOROFORM	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				CHLOROMETHANE	.002	mg/L	U	N Y U	U					CQQWQW	21:42
				CIS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				CIS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				DIBROMOMETHANE	.001	mg/L	U	N Y U	R	04A	05A			CQQWQW	21:42
				DICHLORODIFLUOROMETHANE	.002	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				ETHYLBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				HEXACHLOROBUTADIENE	.001	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				ISOPROPYLBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				M-XYLENE & P-XYLENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				METHYLENE CHLORIDE	.001	mg/L	U	N Y U	UJ	04B				CQQWQW	21:42
				N-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				N-PROPYLBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				NAPHTHALENE	.001	mg/L	U	N Y U	UJ	04B	05B			CQQWQW	21:42
				O-XYLENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				P-ISOPROPYLTOLUENE	.001	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				SEC-BUTYLBENZENE	.001	mg/L	U	N Y U	UJ	05B				CQQWQW	21:42
				STYRENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42

Validation Qualifier Data Entry Verification

Fort McClellan

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2006	SW8260	SW5030	N 0 1	TERT-BUTYLBENZENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				TETRACHLOROETHENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				TOLUENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				TRANS-1,2-DICHLOROETHENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				TRANS-1,3-DICHLOROPROPENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				TRICHLOROETHENE	.001	mg/L	U	N Y U	U					CQQWQW	21:42
				TRICHLOROFLUOROMETHANE	.002	mg/L	U	N Y U	U					CQQWQW	21:42
				VINYL CHLORIDE	.002	mg/L	U	N Y U	U					CQQWQW	21:42
	SW8270	SW3520	N 0 1	1,2,4-TRICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				1,2-DICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				1,3-DICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				1,4-DICHLOROBENZENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				2,2'-OXYBIS(1-CHLOROPROPANE)	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				2,4,5-TRICHLOROPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				2,4,6-TRICHLOROPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				2,4-DICHLOROPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				2,4-DIMETHYLPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				2,4-DINITROPHENOL	.05	mg/L	U	N Y U	UJ	05B	07B	10A		CQQWQW	17:18
				2,4-DINITROTOLUENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				2,6-DINITROTOLUENE	.01	mg/L	U	N Y U	UJ	04B	10A			CQQWQW	17:18
				2-CHLORONAPHTHALENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				2-CHLOROPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A	11B		CQQWQW	17:18
				2-METHYLNAPHTHALENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				2-METHYLPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				2-NITROANILINE	.05	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				2-NITROPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				3,3'-DICHLOROBENZIDINE	.05	mg/L	U	N Y U	U					CQQWQW	17:18
				3-NITROANILINE	.05	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				4,6-DINITRO-2-METHYLPHENOL	.05	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				4-BROMOPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				4-CHLORO-3-METHYLPHENOL	.01	mg/L	U	N Y U	R	07B	10A	11A	11B	CQQWQW	17:18
				4-CHLOROANILINE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				4-CHLOROPHENYL PHENYL ETHER	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				4-METHYLPHENOL	.01	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				4-NITROANILINE	.05	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				4-NITROPHENOL	.05	mg/L	U	N Y U	UJ	05B	07B	10A		CQQWQW	17:18
				ACENAPHTHENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				ACENAPHTHYLENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				ANTHRACENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				BENZO(A)ANTHRACENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				BENZO(A)PYRENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				BENZO(B)FLUORANTHENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				BENZO(GHI)PERYLENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18

Sample Number:	Analytical/Extraction Method:		Flt REX Dil:	Parameter:	Result:	Units:	Qlfr:	Hit Use BCF	VQlfr:	Reason Codes 1	2	3	4	Lab Sample:	Analysis Time:
FV2006	SW8270	SW3520	N 0 1	BENZO(K)FLUORANTHENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				BIS(2-CHLOROETHOXY)METHANE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				BIS(2-CHLOROETHYL) ETHER	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				BIS(2-ETHYLHEXYL) PHTHALATE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				BUTYL BENZYL PHTHALATE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				CARBAZOLE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				CHRYSENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				DI-N-BUTYL PHTHALATE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				DI-N-OCTYL PHTHALATE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				DIBENZ(A,H)ANTHRACENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				DIBENZOFURAN	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				DIETHYL PHTHALATE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				DIMETHYL PHTHALATE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				FLUORANTHENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				FLUORENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				HEXACHLOROBENZENE	.01	mg/L	U	N Y U	UJ	05B	10A			CQQWQW	17:18
				HEXACHLOROBUTADIENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				HEXACHLOROCYCLOPENTADIENE	.05	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				HEXACHLOROETHANE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				INDENO(1,2,3-CD)PYRENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18
				ISOPHORONE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				N-NITROSODI-N-PROPYLAMINE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				N-NITROSODIPHENYLAMINE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				NAPHTHALENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				NITROBENZENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				PENTACHLOROPHENOL	.05	mg/L	U	N Y U	UJ	07B	10A			CQQWQW	17:18
				PHENANTHRENE	.01	mg/L	U	N Y U	UJ	10A				CQQWQW	17:18
				PHENOL	.01	mg/L	U	N Y U	UJ	07B	10A	11A	11B	CQQWQW	17:18
				PYRENE	.01	mg/L	U	N Y U	U					CQQWQW	17:18

APPENDIX F

SUMMARY STATISTICS FOR BACKGROUND MEDIA, FORT McCLELLAN, ALABAMA

Table 4-10. Summary Statistics for Background Surface Water
Fort McClellan, Alabama

Run Time: 5:11:42 PM
Run Date: 7/9/98
Exposure Unit: WS

Parameter	Units	Total Number of Samples	Total Number of Detects	Frequency of Detection	NonDetects Min CRL	NonDetects Max CRL	Detects Minimum	Detects Maximum	Arithmetic Mean[a]	Standard Deviation[a]	Distribution[b]	95% UCL of Arith. Mean[a]	Exposure Point Concentration[c]		2x Arithmetic Mean[a]
Aluminum	µg/L	67	57	85%	50	141	65	47,800	2,629.59	7,921	Lognormal	17,831	17,831		5,259
Arsenic	µg/L	65	9	14%	1.1	2.4	1.4	11	1.08	1.5	Lognormal	1.5	1.5		2.17
Barium	µg/L	67	67	100%	- -	- -	11	200	37.68	35	Lognormal	55	55		75.36
Beryllium	µg/L	56	9	16%	0.20	0.20	0.20	3.2	0.19	0.43	Lognormal	0.22	0.22		0.39
Bicarbonate	µg/L	56	40	71%	5,000	5,000	6,000	172,000	53,178.57	57,480	Lognormal	449,171	172,000	#	106,357
Cadmium	µg/L	67	10	15%	0.20	6.8	0.20	1.5	0.57	0.91	Lognormal	1.4	1.4		1.13
Calcium	µg/L	67	67	100%	- -	- -	179	64,100	12,583.19	13,701	Lognormal	218,721	64,100	#	25,166
Chloride	µg/L	56	56	100%	- -	- -	467	10,100	1,943.05	1,815	Lognormal	2,656	2,656		3,886
Chromium	µg/L	64	1	2%	6.0	17	14	14	5.56	1.7	Undetermined	6.3	6.3		11.13
Copper	µg/L	56	8	14%	5.0	8.1	7.1	72	6.35	13	Lognormal	8.1	8.1		12.70
Fluoride	µg/L	56	6	11%	100	200	128	579	107.86	85	Lognormal	139	139		215.71
Iron	µg/L	67	64	96%	45	78	74	232,000	9,814.08	37,961	Lognormal	46,205	46,205		19,628
Lead	µg/L	66	34	52%	0.60	4.5	0.60	47	4.33	8.3	Lognormal	19	19		8.67
Magnesium	µg/L	67	67	100%	- -	- -	171	24,400	5,486.16	5,916	Lognormal	34,551	24,400	#	10,972
Manganese	µg/L	67	64	96%	5.0	9.7	5.5	6,060	282.42	840	Lognormal	1,153	1,153		564.85
Nickel	µg/L	67	3	4%	15	34	40	70	11.23	11	Lognormal	14	14		22.46
Nitrate,Nitrite	µg/L	56	44	79%	10.0	10.0	11	838	106.09	181	Lognormal	507	507		212.18
Potassium	µg/L	67	61	91%	1,240	1,240	330	7,120	1,281.85	1,157	Lognormal	1,940	1,940		2,564
Sodium	µg/L	66	66	100%	- -	- -	296	15,200	1,718.44	2,043	Lognormal	2,401	2,401		3,437
Sulfate	µg/L	56	56	100%	- -	- -	1,060	62,400	4,313.57	8,203	Lognormal	5,784	5,784		8,627
Thallium	µg/L	59	1	2%	0.100	125	4.2	4.2	1.24	8.1	Undetermined	0.56	0.56		2.49
Total Alkalinity	µg/L	56	40	71%	5,000	5,000	6,000	172,000	53,178.57	57,480	Lognormal	449,171	172,000	#	106,357
Total Phosphorous	µg/L	56	24	43%	10.0	14	11	655	38.82	99	Lognormal	87	87		77.64
Vanadium	µg/L	63	5	8%	10.0	28	13	36	7.60	5.7	Lognormal	9.8	9.8		15.21
Zinc	µg/L	66	6	9%	18	30	27	182	20.17	26	Lognormal	24	24		40.35

[a]Results of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation of the arithmetic mean, standard deviation, and 95% UCL.

[b]For the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

[c]The exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value. If the latter is true, the maximum detected value is substituted as the EPC(denoted by a "#" next to the EPC).

- - Parameter detected in all samples.

Table 4-11. Summary Statistics for Background Sediment
Fort McClellan, Alabama

Run Time: 5:01:01 PM
Run Date: 7/9/98
Exposure Unit: DS

Parameter	Units	Total Number of Samples	Total Number of Detects	Frequency of Detection	NonDetects Min CRL	NonDetects Max CRL	Detects Minimum	Detects Maximum	Arithmetic Mean[a]	Standard Deviation[a]	Distribution[b]	95% UCL of Arith. Mean[a]	Exposure Point Concentration[c]		2x Arithmetic Mean[a]
Aluminum	ug/g	65	65	100%	- -	- -	657	17,400	4,296.32	3,138	Lognormal	6,591	6,590.77		8,593
Antimony	ug/g	59	40	68%	0.11	1.00	0.12	1.2	0.36	0.25	Lognormal	0.77	0.77		0.73
Arsenic	ug/g	58	58	100%	- -	- -	0.21	20	5.67	5.0	Lognormal	13	13.34		11.33
Barium	ug/g	65	65	100%	- -	- -	5.4	272	49.46	44	Lognormal	86	85.64		98.91
Beryllium	ug/g	55	55	100%	- -	- -	0.069	1.2	0.49	0.30	Lognormal	0.83	0.83		0.97
Cadmium	ug/g	65	47	72%	0.020	1.2	0.020	2.4	0.22	0.39	Lognormal	0.67	0.67		0.43
Calcium	ug/g	65	61	94%	60	99	88	2,810	555.76	557	Lognormal	1,370	1,369.94		1,111.51
Chromium	ug/g	65	65	100%	- -	- -	1.1	63	15.57	14	Lognormal	30	29.80		31.15
Cobalt	ug/g	64	59	92%	0.24	2.5	0.40	22	5.51	4.5	Lognormal	15	14.80		11.01
Copper	ug/g	61	60	98%	2.8	2.8	0.73	59	8.56	8.8	Lognormal	16	15.75		17.12
Iron	ug/g	65	65	100%	- -	- -	683	57,500	17,633.26	12,838	Lognormal	36,392	36,391.61		35,267
Lead	ug/g	62	61	98%	7.4	7.4	1.7	110	18.91	20	Lognormal	35	35.40		37.82
Magnesium	ug/g	65	65	100%	- -	- -	30	3,270	452.97	686	Lognormal	952	952.13		905.94
Manganese	ug/g	64	62	97%	4.2	5.0	8.7	2,050	356.15	385	Lognormal	1,735	1,735.37		712.31
Mercury	ug/g	65	37	57%	0.024	0.061	0.047	0.28	0.06	0.042	Lognormal	0.087	0.09		0.11
Nickel	ug/g	65	43	66%	2.1	5.3	2.4	33	6.51	6.9	Lognormal	14	14.02		13.02
Potassium	ug/g	65	46	71%	100	151	118	4,810	506.74	842	Lognormal	1,273	1,272.69		1,013.48
Selenium	ug/g	65	4	6%	0.25	1.2	0.72	1.9	0.36	0.29	Lognormal	0.44	0.44		0.72
Silver	ug/g	65	37	57%	0.018	0.80	0.021	1.1	0.16	0.21	Lognormal	0.73	0.73		0.32
Sodium	ug/g	65	57	88%	39	60	173	738	346.14	152	Lognormal	942	738.00	#	692.29
Thallium	ug/g	56	56	100%	- -	- -	0.012	0.22	0.06	0.047	Lognormal	0.098	0.10		0.13
Vanadium	ug/g	65	65	100%	- -	- -	2.6	67	20.44	13	Lognormal	34	33.66		40.87
Zinc	ug/g	65	58	89%	5.3	6.9	6.0	111	26.37	24	Lognormal	56	55.67		52.74

[a]Results of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation of the arithmetic mean, standard deviation, and 95% UCL.

[b]For the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

[c]The exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value.

If the latter is true, the maximum detected value is substituted as the EPC(denoted by a "#" next to the EPC).

- - Parameter detected in all samples.

Table 4-12. Summary Statistics for Surface Soil (0 -1 BLS)
Fort McClellan, Alabama

Run Time: 8:18:07 AM

Run Date: 7/10/98

Exposure Unit: SS

Parameter	Units	Total Number of Samples	Total Number of Detects	Frequency of Detection	NonDetects Min CRL	NonDetects Max CRL	Detects Minimum	Detects Maximum	Arithmetic Mean[a]	Standard Deviation[a]	Distribution[b]	95% UCL of Arith. Mean[a]	Exposure Point Concentration[c]		2x Arithmetic Mean[a]
Aluminum	ug/g	70	70	100%	- -	- -	2,400	39,900	8,153.00	6,095	Lognormal	11,187	11,187		16,306
Antimony	ug/g	69	47	68%	0.082	7.1	0.11	2.6	0.99	1.3	Lognormal	3.4	2.6	#	1.99
Arsenic	ug/g	66	66	100%	- -	- -	0.82	49	6.86	8.0	Lognormal	13	13		13.73
Barium	ug/g	70	70	100%	- -	- -	11	288	61.97	54	Lognormal	99	99		123.94
Beryllium	ug/g	54	54	100%	- -	- -	0.062	0.87	0.40	0.22	Lognormal	0.61	0.61		0.80
Cadmium	ug/g	70	45	64%	0.016	1.2	0.024	0.21	0.14	0.16	Lognormal	0.36	0.21	#	0.29
Calcium	ug/g	70	66	94%	75	100	63	17,900	861.37	2,265	Lognormal	1,942	1,942		1,723
Chromium	ug/g	70	70	100%	- -	- -	2.0	134	18.52	20	Lognormal	31	31		37.04
Cobalt	ug/g	70	68	97%	1.4	1.4	0.39	71	7.57	12	Lognormal	18	18		15.15
Copper	ug/g	70	69	99%	0.50	0.50	1.3	24	6.36	4.4	Lognormal	11	11		12.71
Iron	ug/g	70	70	100%	- -	- -	2,510	56,300	17,076.86	11,577	Lognormal	27,000	27,000		34,154
Lead	ug/g	70	70	100%	- -	- -	2.9	83	20.02	15	Lognormal	33	33		40.05
Magnesium	ug/g	70	70	100%	- -	- -	60	9,600	516.49	1,266	Lognormal	768	768		1,033
Manganese	ug/g	70	70	100%	- -	- -	8.0	6,850	789.46	1,192	Lognormal	3,183	3,183		1,579
Mercury	ug/g	70	23	33%	0.023	0.050	0.031	0.32	0.04	0.046	Lognormal	0.058	0.058		0.08
Nickel	ug/g	70	56	80%	1.6	2.3	1.8	22	5.17	4.2	Lognormal	9.7	9.7		10.33
Potassium	ug/g	70	60	86%	82	116	104	6,010	399.88	946	Lognormal	607	607		799.76
Selenium	ug/g	70	1	1%	0.25	0.58	1.3	1.3	0.24	0.14	Lognormal	0.29	0.29		0.48
Silver	ug/g	70	42	60%	0.016	0.80	0.019	1.9	0.18	0.34	Lognormal	0.70	0.70		0.36
Sodium	ug/g	70	66	94%	39	39	76	563	317.14	98	Lognormal	562	562		634.28
Thallium	ug/g	68	55	81%	6.6	6.6	0.015	34	1.71	5.9	Lognormal	12	12		3.43
Vanadium	ug/g	70	70	100%	- -	- -	4.7	158	29.42	26	Lognormal	48	48		58.84
Zinc	ug/g	70	64	91%	4.9	11	4.6	209	20.32	26	Lognormal	35	35		40.64

[a]Results of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation of the arithmetic mean, standard deviation, and 95% UCL.

[b]For the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

[c]The exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value. If the latter is true, the maximum detected value is substituted as the EPC(denoted by a "#" next to the EPC).

- - Parameter detected in all samples.

Table 4-13. Summary Statistics for Subsurface Soil (>1-10 feet BLS)
Fort McClellan, Alabama

Run Time: 8:18:07 AM
Run Date: 7/10/98
Exposure Unit: SD

Parameter	Units	Total Number of Samples	Total Number of Detects	Frequency of Detection	NonDetects Min CRL	NonDetects Max CRL	Detects Minimum	Detects Maximum	Arithmetic Mean[a]	Standard Deviation[a]	Distribution[b]	95% UCL of Arith. Mean[a]	Exposure Point Concentration[c]		2x Arithmetic Mean[a]
Aluminum	ug/g	64	64	100%	- -	- -	1,690	24,600	6,795.47	3,552	Lognormal	9,068	9,068		13,591
Antimony	ug/g	63	46	73%	0.079	7.1	0.082	0.99	0.65	0.98	Lognormal	1.8	0.99	#	1.31
Arsenic	ug/g	64	61	95%	0.25	0.45	0.77	38	9.15	9.7	Lognormal	36	36		18.30
Barium	ug/g	64	64	100%	- -	- -	4.1	4,500	116.81	562	Lognormal	161	161		233.62
Beryllium	ug/g	59	57	97%	0.051	0.053	0.041	2.0	0.43	0.43	Lognormal	0.94	0.94		0.86
Cadmium	ug/g	64	35	55%	0.015	1.2	0.020	1.3	0.11	0.21	Lognormal	0.30	0.30		0.22
Calcium	ug/g	64	44	69%	57	200	67	3,650	318.58	606	Lognormal	772	772		637.17
Chromium	ug/g	64	64	100%	- -	- -	5.5	55	19.13	11	Lognormal	27	27		38.25
Cobalt	ug/g	64	60	94%	0.23	1.4	0.26	96	8.77	16	Lognormal	34	34		17.54
Copper	ug/g	64	64	100%	- -	- -	1.3	61	9.72	9.1	Lognormal	16	16		19.43
Iron	ug/g	64	64	100%	- -	- -	4,840	48,000	22,408.44	10,436	Normal	24,586	24,586		44,817
Lead	ug/g	64	64	100%	- -	- -	0.96	500	19.27	61	Lognormal	27	27		38.53
Magnesium	ug/g	64	60	94%	100	200	35	5,940	383.12	885	Lognormal	638	638		766.24
Manganese	ug/g	64	63	98%	4.1	4.1	7.3	19,000	677.67	2,417	Lognormal	3,864	3,864		1,355
Mercury	ug/g	64	31	48%	0.022	0.050	0.022	0.12	0.03	0.025	Lognormal	0.053	0.053		0.07
Nickel	ug/g	64	51	80%	1.6	2.2	2.2	38	6.45	7.8	Lognormal	13	13		12.89
Potassium	ug/g	64	52	81%	75	110	98	6,150	355.37	774	Lognormal	660	660		710.74
Selenium	ug/g	64	1	2%	0.25	0.58	0.55	0.55	0.24	0.060	Lognormal	0.27	0.27		0.47
Silver	ug/g	64	40	63%	0.016	1.2	0.021	0.66	0.12	0.15	Lognormal	0.47	0.47		0.24
Sodium	ug/g	64	63	98%	39	39	203	643	351.05	118	Lognormal	471	471		702.10
Thallium	ug/g	63	55	87%	0.0090	6.6	0.0090	24	0.70	3.0	Lognormal	2.0	2.0		1.40
Vanadium	ug/g	64	64	100%	- -	- -	8.7	99	32.45	20	Lognormal	47	47		64.89
Zinc	ug/g	64	50	78%	4.0	8.0	5.6	89	17.43	17	Lognormal	39	39		34.86

[a]Results of duplicate analyses were averaged and nondetects were treated as one-half the detection limit in the calculation of the arithmetic mean, standard deviation, and 95% UCL.

[b]For the calculation of exposure point concentrations (EPCs):

If fewer than four samples are available, or the standard deviation of the data set is zero, the distribution is undetermined.

If the probability plot correlation coefficient of the untransformed data is > or = to the critical value, the distribution is normal.

In all other cases, the distribution assumed for the EPC calculation was lognormal.

[c]The exposure point concentration (EPC) is the 95% upper confidence (UCL) of the arithmetic mean, unless the 95% UCL exceeds the maximum detected value. If the latter is true, the maximum detected value is substituted as the EPC(denoted by a "#" next to the EPC).

- - Parameter detected in all samples.