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ATTACHMENT 1

LIST OF ABBREVIATIONS AND ACRONYMS

List of Abbreviations and Acronyms

2-ADNT	2-amino-4,6-dinitrotoluene
4-ADNT	4-amino-2,6-dinitrotoluene
2,4-D	2,4-dichlorophenoxyacetic acid
2,4,5-T	2,4,5-trichlorophenoxyacetic acid
2,4,5-TP	2,4,5-trichlorophenoxypropionic acid
3D	3D International Environmental Group
AB	ambient blank
AbB3	Anniston gravelly clay loam, 2 to 6 percent slopes, severely eroded
AbC3	Anniston gravelly clay loam, 6 to 10 percent slopes, severely eroded
AbD3	Anniston and Allen gravelly clay loams, 10 to 15 percent slopes, eroded
ABLM	adult blood lead model
Abs	skin absorption
ABS	dermal absorption factor
AC	hydrogen cyanide
ACAD	AutoCadd
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
AdE	Anniston and Allen stony loam, 10 to 25 percent slope
ADEM	Alabama Department of Environmental Management
ADPH	Alabama Department of Public Health
AEC	U.S. Army Environmental Center
AEDA	ammunition, explosives, and other dangerous articles
AEL	airborne exposure limit
AET	adverse effect threshold
AF	soil-to-skin adherence factor
AHA	ammunition holding area
AL	Alabama
ALARNG	Alabama Army National Guard
ALAD	δ-aminolevulinic acid dehydratase
ALDOT	Alabama Department of Transportation
amb.	amber
amsl	above mean sea level
ANAD	Anniston Army Depot
AOC	area of concern
AP	armor piercing
APEC	areas of potential ecological concern
APT	armor-piercing tracer
AR	analysis request
ARAR	applicable or relevant and appropriate requirement
AREE	area requiring environmental evaluation
AS/SVE	air sparging/soil vapor extraction
ASP	Ammunition Supply Point
ASR	Archives Search Report
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
AT	averaging time
atm-m^3/mol	atmospheres per cubic meter per mole
ATSDR	Agency for Toxic Substances and Disease Registry
ATV	all-terrain vehicle
AUF	area use factor
AWARE	Associated Water and Air Resources Engineers, Inc.
AWQC	ambient water quality criteria
AWWSB	Anniston Water Works and Sewer Board
'B'	Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero)
BAF	bioaccumulation factor
BBGR	Baby Bains Gap Road
BCF	blank correction factor; bioconcentration factor
BCT	BRAC Cleanup Team
BERA	baseline ecological risk assessment
BEHP	bis(2-ethylhexyl)phthalate
BFB	bromofluorobenzene
BFE	base flood elevation
BG	Bacillus globigii
BGR	Bains Gap Road
bgs	below ground surface
BHC	hexachlorocyclohexane
BHHRA	baseline human health risk assessment
BIRTC	Branch Immaterial Replacement Training Center
bkg	background
bls	below land surface
BOD	biological oxygen demand
Bp	soil-to-plant biotransfer factors
BRAC	Base Realignment and Closure
Braun	Braun Intertec Corporation
BSAF	biota-to-sediment accumulation factors
BSC	background screening criterion
BTAG	Biological Technical Assistance Group
BTEX	benzene, toluene, ethyl benzene, and xylenes
BTOC	below top of casing
BTV	background threshold value
BW	biological warfare; body weight
BZ	breathing zone; 3-quinuclidinyl benzilate
C	ceiling limit value
Ca	carcinogen
$CaCO_3$	calcium carbonate
CAA	Clean Air Act
CAB	chemical warfare agent breakdown products
CACM	Chemical Agent Contaminated Media
CAMU	corrective action management unit
CBR	chemical, biological, and radiological
CCAL	continuing calibration
CCB	continuing calibration blank
CCV	continuing calibration verification
CD	compact disc
CDTF	Chemical Defense Training Facility
CEHNC	U.S. Army Engineering and Support Center, Huntsville
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
CESAS	Corps of Engineers South Atlantic Savannah
CF	conversion factor
CFC	chlorofluorocarbon
CFDP	Center for Domestic Preparedness
CFR	Code of Federal Regulations
CG	phosgene (carbonyl chloride)
CGI	combustible gas indicator
ch	inorganic clays of high plasticity
CHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
CIH	Certified Industrial Hygienist
CK	cyanogen chloride
cl	inorganic clays of low to medium plasticity
Cl	chlorinated
CLP	Contract Laboratory Program
cm	centimeter
CN	chloroacetophenone
CNB	chloroacetophenone, benzene, and carbon tetrachloride
CNS	chloroacetophenone, chloropicrin, and chloroform
CO	carbon monoxide
CO_2	carbon dioxide
Co-60	cobalt-60
CoA	Code of Alabama
COC	chain of custody; chemical of concern
COE	Corps of Engineers
Con	skin or eye contact
COPC	chemical of potential concern
COPEC	constituent of potential ecological concern
CPOM	coarse particulate organic matter
CPSS	chemicals present in site samples
CQCSM	Contract Quality Control System Manager
CRDL	contract-required detection limit
CRL	certified reporting limit
CRQL	contract-required quantitation limit
CRZ	contamination reduction zone
Cs-137	cesium-137
CS	ortho-chlorobenzylidene-malononitrile
CSEM	conceptual site exposure model
CSM	conceptual site model
CT	central tendency
ctr.	container
CWA	chemical warfare agent; Clean Water Act
CWM	chemical warfare material; clear, wide mouth

CX	dichloroformoxime
'D'	duplicate; dilution
D&I	detection and identification
DAAMS	depot area agent monitoring station
DAF	dilution-attenuation factor
DANC	decontamination agent, non-corrosive
ºC	degrees Celsius
ºF	degrees Fahrenheit
DCA	dichloroethane
DCE	dichloroethene
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
DEH	Directorate of Engineering and Housing
DEHP	di(2-ethylhexyl)phthalate
DEP	depositional soil
DFTPP	decafluorotriphenylphosphine
DI	deionized
DID	data item description
DIMP	di-isopropylmethylphosphonate
DM	dry matter; adamsite
DMBA	dimethylbenz(a)anthracene
DMMP	dimethylmethylphosphonate
DNAPL	dense nonaqueous-phase liquid
DNT	dinitrotoluene
DO	dissolved oxygen
DOD	U.S. Department of Defense
DOJ	U.S. Department of Justice
DOT	U.S. Department of Transportation
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
DSERTS	Defense Site Environmental Restoration Tracking System
DWEL	drinking water equivalent level
E&E	Ecology and Environment, Inc.
EB	equipment blank
EBS	environmental baseline survey
EC_{20}	effects concentration for 20 percent of a test population
EC_{50}	effects concentration for 50 percent of a test population
ECBC	Edgewood Chemical Biological Center
ED	exposure duration
EDD	electronic data deliverable
EF	exposure frequency
EDQL	ecological data quality level
EE/CA	engineering evaluation and cost analysis
Eh	oxidation-reduction potential
Elev.	elevation
EM	electromagnetic
EMI	Environmental Management Inc.
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
EPRI	Electrical Power Research Institute
EPT	Ephemeroptera, Plecoptera, Trichoptera
ER	equipment rinsate
ERA	ecological risk assessment
ER-L	effects range-low
ER-M	effects range-medium
ESE	Environmental Science and Engineering, Inc.
ESL	ecological screening level
ESMP	Endangered Species Management Plan
ESN	Environmental Services Network, Inc.
ESV	ecological screening value
ET	exposure time
EU	exposure unit
Exp.	Explosives
EXTOXNET	Extension Toxicology Network
E-W	east to west
EZ	exclusion zone
FAR	Federal Acquisition Regulations
FB	field blank
FBI	Family Biotic Index
FD	field duplicate
FDC	Former Decontamination Complex
FDA	U.S. Food and Drug Administration
Fe^{+3}	ferric iron
Fe^{+2}	ferrous iron
FedEx	Federal Express, Inc.
FEMA	Federal Emergency Management Agency
FFCA	Federal Facilities Compliance Act
FFE	field flame expedient
FFS	focused feasibility study
FI	fraction of exposure
Fil	filtered
Flt	filtered
FMDC	Fort McClellan Development Commission
FML	flexible membrane liner
f_{oc}	fraction organic carbon
FOMRA	Former Ordnance Motor Repair Area
FOST	Finding of Suitability to Transfer
Foster Wheeler	Foster Wheeler Environmental Corporation
FR	Federal Register
Frtn	fraction
FS	field split; feasibility study
FSP	field sampling plan
ft	feet
ft/day	feet per day
ft/ft	feet per foot
ft/yr	feet per year
FTA	Fire Training Area
FTMC	Fort McClellan
FTRRA	FTMC Reuse & Redevelopment Authority
g	gram
g/m^3	gram per cubic meter
G-856	Geometrics, Inc. G-856 magnetometer
G-858G	Geometrics, Inc. G-858G magnetic gradiometer
GAF	gastrointestinal absorption factor
gal	gallon
gal/min	gallons per minute
GB	sarin (isopropyl methylphosphonofluoridate)
gc	clay gravels; gravel-sand-clay mixtures
GC	gas chromatograph
GCL	geosynthetic clay liner
GC/MS	gas chromatograph/mass spectrometer
GCR	geosynthetic clay liner
GFAA	graphite furnace atomic absorption
GIS	Geographic Information System
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
GRA	general response action
GS	ground scar
GSA	General Services Administration; Geologic Survey of Alabama
GSBP	Ground Scar Boiler Plant
GSSI	Geophysical Survey Systems, Inc.
GST	ground stain
GW	groundwater
gw	well-graded gravels; gravel-sand mixtures
H&S	health and safety
HA	hand auger
HC	mixture of hexachloroethane, aluminum powder, and zinc oxide (smoke producer)
HCl	hydrochloric acid
HD	distilled mustard (bis-[dichloroethyl]sulfide)

HDPE	high-density polyethylene
HE	high explosive
HEAST	Health Effects Assessment Summary Tables
Herb.	herbicides
HHRA	human health risk assessment
HI	hazard index
H_2O_2	hydrogen peroxide
HPLC	high-performance liquid chromatography
HNO_3	nitric acid
HQ	hazard quotient
HQ_{screen}	screening-level hazard quotient
hr	hour
HRC	hydrogen releasing compound
HSA	hollow-stem auger
HSDB	Hazardous Substance Data Bank
HTRW	hazardous, toxic, and radioactive waste
'I'	out of control, data rejected due to low recovery
IASPOW	Impact Area South of POW Training Facility
IATA	International Air Transport Authority
ICAL	initial calibration
ICB	initial calibration blank
ICP	inductively-coupled plasma
ICRP	International Commission on Radiological Protection
ICS	interference check sample
ID	inside diameter
IDL	instrument detection limit
IDLH	immediately dangerous to life or health
IDM	investigative-derived media
IDW	investigation-derived waste
IEUBK	Integrated Exposure Uptake Biokinetic
IF	ingestion factor; inhalation factor
ILCR	incremental lifetime cancer risk
IMPA	isopropylmethyl phosphonic acid
IMR	Iron Mountain Road
in.	inch
Ing	ingestion
Inh	inhalation
IP	ionization potential
IPS	International Pipe Standard
IR	ingestion rate
IRDMIS	Installation Restoration Data Management Information System
IRIS	Integrated Risk Information Service
IRP	Installation Restoration Program
IS	internal standard
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
JPA	Joint Powers Authority
K	conductivity
K_d	soil-water distribution coefficient
kg	kilogram
KeV	kilo electron volt
K_{oc}	organic carbon partioning coefficient
K_{ow}	octonal-water partition coefficient
$KMnO_4$	potassium permanganate
L	liter; Lewisite (dichloro-[2-chloroethyl]sulfide)
L/kg/day	liters per kilogram per day
l	liter
LAW	light anti-tank weapon
lb	pound
LBP	lead-based paint
LC	liquid chromatography
LCS	laboratory control sample
LC_{50}	lethal concentration for 50 percent population tested
LD_{50}	lethal dose for 50 percent population tested
LEL	lower explosive limit
LOAEL	lowest-observed-advserse-effects-level
LOEC	lowest-observable-effect-concentration
LRA	land redevelopment authority
LT	less than the certified reporting limit
LUC	land-use control
LUCAP	land-use control assurance plan
LUCIP	land-use control implementation plan
max	maximum
MB	method blank
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MCPA	4-chloro-2-methylphenoxyacetic acid
MCPP	2-(2-methyl-4-chlorophenoxy)propionic acid
MCS	media cleanup standard
MD	matrix duplicate
MDC	maximum detected concentration
MDCC	maximum detected constituent concentration
MDL	method detection limit
mg	milligrams
mg/kg	milligrams per kilogram
mg/kg/day	milligram per kilogram per day
mg/kgbw/day	milligrams per kilogram of body weight per day
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
MeV	mega electron volt
min	minimum
MINICAMS	miniature continuous air monitoring system
ml	inorganic silts and very fine sands
mL	milliliter
mm	millimeter
MM	mounded material
MMBtu/hr	million Btu per hour
MNA	monitored natural attenuation
MnO_4-	permanganate ion
MOA	Memorandum of Agreement
MOGAS	motor vehicle gasoline
MOUT	Military Operations in Urban Terrain
MP	Military Police
MPA	methyl phosphonic acid
MPC	maximum permissible concentration
MPM	most probable munition
MQL	method quantitation limit
MR	molasses residue
MRL	method reporting limit
MS	matrix spike
mS/cm	millisiemens per centimeter
mS/m	millisiemens per meter
MSD	matrix spike duplicate
MTBE	methyl tertiary butyl ether
msl	mean sea level
MtD3	Montevallo shaly, silty clay loam, 10 to 40 percent slopes , severely eroded
mV	millivolts
MW	monitoring well
MWI&MP	Monitoring Well Installation and Management Plan
Na	sodium
NA	not applicable; not available
NAD	North American Datum
NAD83	North American Datum of 1983
$NaMnO_4$	sodium permanganate
NAVD88	North American Vertical Datum of 1988
NAS	National Academy of Sciences
NCEA	National Center for Environmental Assessment
NCP	National Contingency Plan
NCRP	National Council on Radiation Protection and Measurements
ND	not detected
NE	no evidence; northeast
ne	not evaluated
NEW	net explosive weight

NFA	No Further Action
NG	National Guard
NGP	National Guardsperson
ng/L	nanograms per liter
NGVD	National Geodetic Vertical Datum
Ni	nickel
NIC	notice of intended change
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NLM	National Library of Medicine
NO_3^-	nitrate
NOEC	no-observable-effect-concentration
NPDES	National Pollutant Discharge Elimination System
NPW	net present worth
No.	number
NOAA	National Oceanic and Atmospheric Administration
NOAEL	no-observed-adverse-effects-level
NR	not requested; not recorded; no risk
NRC	National Research Council
NRCC	National Research Council of Canada
NRHP	National Register of Historic Places
NRT	near real time
ns	nanosecond
N-S	north to south
NS	not surveyed
NSA	New South Associates, Inc.
nT	nanotesla
nT/m	nanoteslas per meter
NTU	nephelometric turbidity unit
nv	not validated
O_2	oxygen
O_3	ozone
O&G	oil and grease
O&M	operation and maintenance
OB/OD	open burning/open detonation
OD	outside diameter
OE	ordnance and explosives
oh	organic clays of medium to high plasticity
OH•	hydroxyl radical
ol	organic silts and organic silty clays of low plasticity
OP	organophosphorus
ORC	Oxygen Releasing Compound
ORP	oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OSWER	Office of Solid Waste and Emergency Response
OVM-PID/FID	organic vapor meter-photoionization detector/flame ionization detector
OWS	oil/water separator
oz	ounce
PA	preliminary assessment
PAH	polynuclear aromatic hydrocarbon
PARCCS	precision, accuracy, representativeness, comparability, completeness, and sensitivity
Parsons	Parsons Engineering Science, Inc.
Pb	lead
PBMS	performance-based measurement system
PC	permeability coefficient
PCB	polychlorinated biphenyl
PCDD	polychlorinated dibenzo-p-dioxins
PCDF	polychlorinated dibenzofurans
PCE	perchloroethene
PCP	pentachlorophenol
PDS	Personnel Decontamination Station
PEF	particulate emission factor
PEL	permissible exposure limit
PERA	preliminary ecological risk assessment
PERC	perchloroethene
PES	potential explosive site
Pest.	pesticides
PETN	pentaerythritoltetranitrate
PFT	portable flamethrower
PG	professional geologist
PID	photoionization detector
PkA	Philo and Stendal soils local alluvium, 0 to 2 percent slopes
PM	project manager
POC	point of contact
POL	petroleum, oils, and lubricants
POTW	publicly owned treatment works
POW	prisoner of war
PP	peristaltic pump; Proposed Plan
ppb	parts per billion
ppbv	parts per billion by volume
PPE	personal protective equipment
ppm	parts per million
PPMP	Print Plant Motor Pool
ppt	parts per thousand
PR	potential risk
PRA	preliminary risk assessment
PRG	preliminary remediation goal
PS	chloropicrin
PSSC	potential site-specific chemical
pt	peat or other highly organic silts
PVC	polyvinyl chloride
QA	quality assurance
QA/QC	quality assurance/quality control
QAM	quality assurance manual
QAO	quality assurance officer
QAP	installation-wide quality assurance plan
QC	quality control
QST	QST Environmental, Inc.
qty	quantity
Qual	qualifier
R	rejected data; resample; retardation factor
R&A	relevant and appropriate
RA	remedial action
RAO	remedial action objective
RBC	risk-based concentration; red blood cell
RBRG	risk-based remedial goal
RCRA	Resource Conservation and Recovery Act
RCWM	Recovered Chemical Warfare Material
RD	remedial design
RDX	cyclotrimethylenetrinitramine
ReB3	Rarden silty clay loams
REG	regular field sample
REL	recommended exposure limit
RFA	request for analysis
RfC	reference concentration
RfD	reference dose
RGO	remedial goal option
RI	remedial investigation
RL	reporting limit
RME	reasonable maximum exposure
ROD	Record of Decision
RPD	relative percent difference
RR	range residue
RRF	relative response factor
RRSE	Relative Risk Site Evaluation
RSD	relative standard deviation
RTC	Recruiting Training Center
RTECS	Registry of Toxic Effects of Chemical Substances
RTK	real-time kinematic
RWIMR	Ranges West of Iron Mountain Road
SA	exposed skin surface area
SAD	South Atlantic Division
SAE	Society of Automotive Engineers
SAIC	Science Applications International Corporation
SAP	installation-wide sampling and analysis plan
SARA	Superfund Amendments and Reauthorization Act
sc	clayey sands; sand-clay mixtures
Sch.	schedule
SCM	site conceptual model
SD	sediment
SDG	sample delivery group
SDWA	Safe Drinking Water Act
SDZ	safe distance zone; surface danger zone

SEMS	Southern Environmental Management & Specialties, Inc.
SF	cancer slope factor
SFSP	site-specific field sampling plan
SGF	standard grade fuels
Shaw	Shaw Environmental, Inc.
SHP	installation-wide safety and health plan
SI	site investigation
SINA	Special Interest Natural Area
SL	standing liquid
SLERA	screening-level ecological risk assessment
sm	silty sands; sand-silt mixtures
SM	Serratia marcescens
SMDP	Scientific Management Decision Point
s/n	signal-to-noise ratio
SO_4^{-2}	sulfate
SOD	soil oxidant demand
SOP	standard operating procedure
SOPQAM	U.S. EPA's *Standard Operating Procedure/Quality Assurance Manual*
sp	poorly graded sands; gravelly sands
SP	submersible pump
SPCC	system performance calibration compound
SPCS	State Plane Coordinate System
SPM	sample planning module
SQRT	screening quick reference tables
Sr-90	strontium-90
SRA	streamlined human health risk assessment
SRI	supplemental remedial investigation
SRM	standard reference material
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
SSL	soil screening level
SSSL	site-specific screening level
SSSSL	site-specific soil screening level
STB	supertropical bleach
STC	source-term concentration
STD	standard deviation
STEL	short-term exposure limit
STL	Severn-Trent Laboratories
STOLS	Surface Towed Ordnance Locator System®
Std. units	standard units
SU	standard unit
SUXOS	senior UXO supervisor
SVOC	semivolatile organic compound
SW	surface water
SW-846	U.S. EPA's *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods*
SWMU	solid waste management unit
SWPP	storm water pollution prevention plan
SZ	support zone
TAL	target analyte list
TAT	turn around time
TB	trip blank
TBC	to be considered
TCA	trichloroethane
TCDD	2,3,7,8-tetrachlorodibenzo-p-dioxin
TCDF	tetrachlorodibenzofurans
TCE	trichloroethene
TCL	target compound list
TCLP	toxicity characteristic leaching procedure
TDEC	Tennessee Department of Environment and Conservation
TDGCL	thiodiglycol
TDGCLA	thiodiglycol chloroacetic acid
TEA	triethylaluminum
Tetryl	trinitrophenylmethylnitramine
TERC	Total Environmental Restoration Contract
THI	target hazard index
TIC	tentatively identified compound
TLV	threshold limit value
TN	Tennessee
TNB	trinitrobenzene
TNT	trinitrotoluene
TOC	top of casing; total organic carbon
TPH	total petroleum hydrocarbons
TR	target cancer risk
TRADOC	U.S. Army Training and Doctrine Command
TRPH	total recoverable petroleum hydrocarbons
TRV	toxicity reference value
TSCA	Toxic Substances Control Act
TSDF	treatment, storage, and disposal facility
TSS	total suspended solids
TWA	time-weighted average
UCL	upper confidence limit
UCR	upper certified range
'U'	not detected above reporting limit
UIC	underground injection control
UF	uncertainty factor
URF	unit risk factor
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
USATCES	U.S. Army Technical Center for Explosive Safety
USATEU	U.S. Army Technical Escort Unit
USATHAMA	U.S. Army Toxic and Hazardous Material Agency
USC	United States Code
USCS	Unified Soil Classification System
USDA	U.S. Department of Agriculture
USEPA	U.S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
UTL	upper tolerance level; upper tolerance limit
UXO	unexploded ordnance
UXOQCS	UXO Quality Control Supervisor
UXOSO	UXO safety officer
V	vanadium
VC	vinyl chloride
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)
WAC	Women's Army Corps
Weston	Roy F. Weston, Inc.
WP	installation-wide work plan
WRS	Wilcoxon rank sum
WS	watershed
WSA	Watershed Screening Assessment
WWI	World War I
WWII	World War II
XRF	x-ray fluorescence
yd^3	cubic yards

TABLES

Table 2-1

Summary of Samples Collected
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Type	Analysis Program				
Surf Soil	Pb	TAL	NA	ORG	**Total**
R18	39	16	18	11	62
R20	11	4	3	3	15
R23	72	22	22	13	103
R26	48	19	11	11	67
R25		62	62	12	62
R25E/28	9	5	4	4	14
RSR25		16	16		16
Total:	179	144	136	54	**339**

Type	Analysis Program				
Deep	Pb	TAL	NA	ORG	**Total**
R18	9	7	12	5	23
R20	2	1	1	1	3
R23	17	9	13	4	36
R26	7	7	3	3	14
R25		53	53	10	53
R25E/28	1	4	3	3	5
RSR25		10	10		10
Total:	36	91	95	26	**144**

GW	Pb	TAL	NA	ORG	**Total**
R18		3	3	1	3
R20					0
R23[1]		3	3	1	3
R26		4	4	1	4
R25		6	6	2	6
R25E/28					0
RSR25		3	3		3
Total:	0	19	19	5	**19**

SW/SD	Pb	TAL	NA	ORG	**Total**
R18		1	1	1	1
R20		3	3	3	3
R23	2	4	4	4	6
R26					0
R25		1	1	1	1
R25E/28		1	1	1	1
RSR25					0
Total:	2	10	10	10	**12**

[1] One R23 groundwater sample was analyzed for both total and dissolved metals.

XRF	Pb	Pb/Cu	**Total**
R18	34	22	56
R20		23	23
R25	14	5	19
R25SF		25	25
Total:	48	75	**123**

Gtotal[2]	**Pb**	**TAL**	**NA**	**ORG**	**Total**
Total:	**217**	**264**	**260**	**95**	**514**

[2] Does not include XRF.

R18 - Range 18, R20 - Range 20, R23 - Range 23, R26 - Range 26, R25 - Range 25/Impact Area 118Q-X, R25E/28 - Former Range 25 East and Range 28, RSR25 - Ranges South of Range 25, R25SF - Range 25 Safety Fan

Surf Soil - surface soil/depositional soil, Deep - subsurface soil, GW - groundwater, SW/SD - surface water/sediment, XRF - x-ray fluorescence, Gtotal - grand total

Pb - Lead only, TAL - target analyte list metals, NA - nitroaromatic explosive compounds, ORG - full suite organic compounds (target compound list volatile compounds and semivolatile compounds, chlorinated pesticides, organophosphorus pesticides, chlorinated herbicides, polychlorinated biphenyls), Pb/Cu - lead/copper by XRF

Table 2-2

Monitoring Well Construction Summary
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Well Location	Well Type	Northing	Easting	Ground Elevation (ft amsl)	TOC Elevation (ft amsl)	Well Depth (ft bgs)	Screen Length (ft)	Screen Interval (ft bgs)	Well Material
HR-74Q-MW01	Residuum	1165796.41	671216.22	801.22	803.32	25	15	10 - 25	2" ID Sch. 40 PVC
HR-74Q-MW02	Residuum	1165408.74	671405.73	810.07	812.18	17	10	7 - 17	2" ID Sch. 40 PVC
HR-74Q-MW03	Residuum	1164888.86	671598.52	819.38	821.60	32	15	17 - 32	2" ID Sch. 40 PVC
HR-74Q-MW04	Bedrock	1164892.11	671540.57	816.56	818.72	75	20	55 - 75	4" ID Sch. 80 PVC
HR-79Q-MW01	Residuum	1164619.88	675792.26	856.35	858.58	10	5	5 - 10	2" ID Sch. 40 PVC
HR-79Q-MW02	Residuum	1164856.03	676329.9	868.20	870.27	10	5	5 - 10	2" ID Sch. 40 PVC
HR-79Q-MW03	Bedrock	1164830.89	676319.91	868.11	870.32	75	30	45 - 75	4" ID Sch. 80 PVC
HR-79Q-MW04	Residuum	1165144.64	676797.15	883.98	886.03	13.5	5	8.5 - 13.5	2" ID Sch. 40 PVC
HR-83Q-MW01	Residuum	1167030.75	675249.27	831.30	833.40	17	5	12 - 17	2" ID Sch. 40 PVC
HR-83Q-MW02	Residuum	1167707.92	675596.95	836.46	839.40	24	15	9 - 24	2" ID Sch. 40 PVC
HR-83Q-MW03	Residuum	1168111.19	675588.95	837.39	839.56	17	10	7 - 17	2" ID Sch. 40 PVC
HR-83Q-MW04	Residuum	1167672.02	676266.31	866.40	868.49	25	10	15 - 25	2" ID Sch. 40 PVC
HR-84Q-MW01	Residuum	1166068.18	677311.17	884.50	886.60	23	10	13 - 23	2" ID Sch. 40 PVC
HR-84Q-MW02	Residuum	1165741.42	677690.04	906.89	909.01	22	15	7 - 22	2" ID Sch. 40 PVC
HR-84Q-MW03	Bedrock	1165835.76	677829.96	910.46	912.54	75	20	55 - 75	4" ID Sch. 80 PVC
HR-84Q-MW04	Residuum	1165733.97	678089.94	919.78	921.95	31	15	16 - 31	2" ID Sch. 40 PVC
HR-118Q-MW01	Residuum	1168373.39	675694.38	851.71	853.79	48	15	33 - 48	2" ID Sch. 40 PVC
HR-118Q-MW02	Bedrock	1168345.67	675699.76	850.93	852.94	60.9	20	40.9 - 60.9	4" ID Sch. 80 PVC
HR-224Q-MW03	Residuum	1166045.13	675553.85	837.41	839.74	20.5	15	5.5 - 20.5	2" ID Sch. 40 PVC
HR-224Q-MW04	Residuum	1166274.45	675674.31	839.61	841.48	29.5	10	19.5 - 29	2" ID Sch. 40 PVC
HR-226Q-MW02	Residuum	1166049.71	675702.13	841.02	843.06	30	15	15 30	2" ID Sch. 40 PVC

Monitoring wells installed using hollow-stem auger and/or air-rotary drilling techniques.
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).

2" ID Sch. 40 PVC - 2-inch inside diameter, Schedule 40, polyvinyl chloride.
4" ID Sch. 80 PVC - 4-inch inside diameter, Schedule 80, polyvinyl chloride.
amsl - Above mean sea level.
bgs - Below ground surface.
ft - Feet.

Table 2-3

Groundwater Field Parameters
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Date	Specific Conductivity (mS/cm)[a]	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
HR-74Q-MW01	12-Jun-02	0.333	4.77	45	23.6	4.8	7.11
HR-74Q-MW03	13-Jun-02	0.404	4.44	70	21.5	6.6	7.21
HR-74Q-MW04	26-Jun-02	0.419	6.01	135	19.0	4.1	7.43
HR-79Q-MW01	11-Jun-02	0.370	0.99	-11	17.8	2.2	7.19
HR-79Q-MW02	13-Jun-02	0.320	6.21	141	24.3	>1000	7.09
HR-79Q-MW03	19-Jun-02	0.363	8.03	50	22.8	9.6	7.62
HR-83Q-MW01	20-May-02	0.479	3.08	55	20.2	3.1	7.41
HR-83Q-MW02	13-Feb-02	0.642	1.29	146	15.4	0.0	7.23
HR-83Q-MW03	13-Feb-02	0.376	3.99	19	15.3	4.0	7.20
HR-83Q-MW04	17-May-02	0.544	2.78	100	17.8	9.4	6.92
HR-84Q-MW01	11-Jun-02	0.227	5.76	80	26.6	9.4	7.55
HR-84Q-MW02	12-Jun-02	0.178	0.51	-143	18.6	6.1	7.26
HR-84Q-MW03	12-Jun-02	0.115	2.40	15	20.4	5.2	6.64
HR-84Q-MW04	11-Jun-02	0.079	2.41	60	18.6	9.8	6.40
HR-118Q-MW01	12-Feb-02	0.609	0.41	-70	15.8	1.8	11.43
HR-118Q-MW02	11-Feb-02	0.363	2.55	378	15.5	3.4	7.80
HR-224Q-MW03	9-Aug-01	0.342	7.14	81	19.4	1.3	7.22
HR-224Q-MW04	9-Aug-01	0.340	5.16	131	19.5	10.0	7.57
HR-226Q-MW02	20-Aug-01	0.356	5.69	106	22.7	1.2	7.89

[a] Specific conductivity values standardized to millisiemens per centimeter.

°C - Degrees Celsius.
mg/L - Milligrams per liter.
mS/cm - Millisiemen per centimeter.
mV - Millivolt.
NTU - Nephelometric turbidity unit.
ORP - Oxidation-reduction potential.
SU - Standard unit.

Table 2-4

Groundwater Elevations
Baby Bains Gap Road Ranges and Vicinity
Fort McClellan, Calhoun County, Alabama

Well Location	Date	Depth to Water (ft BTOC)	Top of Casing Elevation (ft amsl)	Ground Elevation (ft amsl)	Groundwater Elevation (ft amsl)
HR-74Q-MW01	17-Dec-02	6.69	803.32	801.22	796.63
HR-74Q-MW02	17-Dec-02	12.38	812.18	810.07	799.80
HR-74Q-MW03	17-Dec-02	11.77	821.60	819.38	809.83
HR-74Q-MW04	17-Dec-02	7.87	818.72	816.56	810.85
HR-79Q-MW01	17-Dec-02	3.92	858.58	856.35	854.66
HR-79Q-MW02	17-Dec-02	2.58	870.27	868.20	867.69
HR-79Q-MW03	17-Dec-02	2.25	870.32	868.11	868.07
HR-79Q-MW04	17-Dec-02	13.05	886.03	883.98	872.98
HR-83Q-MW01	17-Dec-02	8.07	833.40	831.30	825.33
HR-83Q-MW02	17-Dec-02	1.98	839.40	836.46	837.42
HR-83Q-MW03	17-Dec-02	5.79	839.56	837.39	833.77
HR-83Q-MW04	17-Dec-02	9.84	868.49	866.40	858.65
HR-84Q-MW01	17-Dec-02	10.51	886.60	884.50	876.09
HR-84Q-MW02	17-Dec-02	3.80	909.01	906.89	905.21
HR-84Q-MW03	17-Dec-02	6.42	912.54	910.46	906.12
HR-84Q-MW04	17-Dec-02	9.45	921.95	919.78	912.50
HR-118Q-MW01	17-Dec-02	24.23	853.79	851.71	829.56
HR-118Q-MW02	17-Dec-02	22.70	852.94	850.93	830.24
HR-224Q-MW01	17-Dec-02	7.11	834.60	832.77	827.49
HR-224Q-MW03	17-Dec-02	6.83	839.74	837.41	832.91
HR-224Q-MW04	17-Dec-02	5.22	841.48	839.61	836.26
HR-224Q-MW05	17-Dec-02	3.19	828.75	826.62	825.56
HR-226Q-MW02	17-Dec-02	6.64	843.06	841.02	836.42
HR-226Q-MW04	17-Dec-02	8.09	841.49	839.57	833.40

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

amsl - Above mean sea level
BTOC - Below top of casing
ft - Feet

Table 2-5

Surface Water Field Parameters
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Date	Specific Conductivity (mS/cm)[a]	Dissolved Oxygen (mg/L)	ORP (mV)	Temperature (°C)	Turbidity (NTU)	pH (SU)
HR-223Q-SW/SD01	14-Mar-02	0.050	11.58	295	14.1	12.4	6.09
HR-74Q-SW/SD01	1-Mar-02	0.381	8.39	320	13.3	1.9	6.79
HR-76Q-SW/SD01	15-May-02	0.065	8.25	NR	14.8	10.0	6.18
HR-76Q-SW/SD02	15-May-02	0.114	4.20	NR	15.0	8.0	6.56
HR-76Q-SW/SD03	14-May-02	0.048	3.79	NR	16.2	7.0	5.21
HR-79Q-SW/SD01	18-Mar-02	0.362	10.76	255	17.6	5.4	5.61
HR-79Q-SW/SD02	19-Mar-02	0.420	7.76	360	18.1	3.4	6.19
HR-79Q-SW/SD03	20-Mar-02	0.258	8.05	270	16.6	0.60	6.61
HR-79Q-SW/SD04	20-Mar-02	0.197	8.40	280	18.2	5.7	7.05
HR-79Q-SW/SD05	21-Mar-02	0.182	8.68	260	15.0	37	5.81
HR-79Q-SW/SD06	21-Mar-02	0.357	9.05	280	16.1	27	7.14
HR-83Q-SW/SD01	8-Nov-01	4.540	7.02	118	13.2	18.1	6.93

[a] Specific conductivity values standardized to millisiemens per centimeter.

°C - Degrees Celsius.
mg/L - Milligrams per liter.
mS/cm - Millisiemen per centimeter.
mV - Millivolt.
NR - Not recorded.
NTU - Nephelometric turbidity unit.
ORP - Oxidation-reduction potential.
SU - Standard unit.

Table 3-1

Horizontal Hydraulic Gradient
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Upgradient Well	GW Elevation 17-Dec-02 (ft amsl)	Downgradient Well	GW Elevation 17-Dec-02 (ft amsl)	Horizontal Distance Between Wells (ft)	Horizontal Hydraulic Gradient (ft/ft)
HR-74Q-MW03	809.83	HR-74Q-MW02	799.80	550	0.018
HR-79Q-MW04	872.98	HR-226-MW04	833.40	1,400	0.028
HR-83Q-MW04	858.65	HR-83Q-MW02	837.42	670	0.032
HR-84Q-MW02	905.21	HR-224Q-MW04	836.26	2,075	0.033
HR-84Q-MW04	912.50	HR-84Q-MW01	876.09	850	0.043
				Arithmetic Mean	0.031

Notes:
Horizontal Hydraulic Gradient (ft/ft) = [GW Elevation $_{Upgradient}$ (ft) - GW Elevation $_{Downgradient}$ (ft)] / Distance Between Wells (ft)
amsl - Above mean sea level.
ft - feet.
GW- Groundwater

Table 3-2

Vertical Hydraulic Gradient
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County , Alabama

Well Cluster	Midpoint Screen Elevation (ft amsl)	GW Elevation 17-Dec-02 (ft amsl)	dH (ft)	dL (ft)	Vertical Gradient (ft/ft)
Residuum to Bedrock					
HR-74Q-MW03	794.88	809.83	-1.02	43.32	-0.024
HR-74Q-MW04	751.56	810.85			
HR-79Q-MW02	860.70	867.69	-0.38	52.59	-0.007
HR-79Q-MW03	808.11	868.07			
HR-118Q-MW01	811.21	829.56	-0.68	11.18	-0.061
HR-118Q-MW02	800.03	830.24			

Vertical hydraulic gradient = dH / dL , + if downward gradient, - if upward gradient .
dH = head shallower well - head deeper well.
dL = vertical distance between midpoint of well screens.
ft amsl - feet above mean sea level.
GW - Groundwater.

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-DEP01					HR-74Q-DEP02					HR-74Q-DEP03				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0073					PJ0074					PJ0076				
				Sample Date:	11-Mar-02					13-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- .5					0- 1					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND										ND				
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND										ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND										ND				
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02	ND										ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND										ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND										ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND										ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	6.38E+03				YES						5.58E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND										ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.13E+00	J		YES							2.55E+00	J		YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.81E+01										7.72E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND										5.24E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	3.80E+02										6.46E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.88E+01				YES						1.80E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.92E+00	J									6.24E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.50E+04		YES	YES	YES						1.91E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.80E+04			YES	YES						1.04E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.36E+02		YES	YES	YES	5.10E+01		YES		YES	6.88E+01		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	3.33E+02										3.01E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.17E+02	J			YES						6.47E+02	J		YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND										ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.17E+01		YES								3.44E+00				
Potassium	mg/kg	8.00E+02	NA	NA	5.60E+02	J									4.21E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	9.41E-01	J	YES		YES						ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	1.33E+00	J	YES								ND				
Sodium	mg/kg	6.34E+02	NA	NA	1.50E+02										1.37E+02				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.04E+01				YES						1.26E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.25E+03		YES		YES						1.46E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-DEP01					HR-74Q-DEP02					HR-74Q-DEP03				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0073					PJ0074					PJ0076				
				Sample Date:	11-Mar-02					13-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- .5					0- 1					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND										ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND										ND				
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND										ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND										ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND										ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND										ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND										ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND										ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND										ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND										ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND										ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND										ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND										ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND										ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	ND										ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND										ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.20E-02	J									2.70E-02				
Acetone	mg/kg	NA	7.76E+02	2.50E+00	2.40E-01	J									3.40E-01	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND										ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-DEP04					HR-74Q-DEP05					HR-74Q-GP01				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0077					PJ0078					PJ0001				
				Sample Date:	11-Mar-02					13-Mar-02					26-Feb-02				
				Sample Depth (Feet):	0- .5					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND														
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND														
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND														
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02	ND														
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND														
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.05E+04			YES	YES										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	5.98E+00	J	YES	YES	YES										
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.17E+01	J		YES	YES										
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	7.66E+01														
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	2.49E+00		YES		YES										
Calcium	mg/kg	1.72E+03	NA	NA	2.27E+03		YES												
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.34E+01				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.80E+01	J	YES												
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.66E+02		YES		YES										
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	3.00E+04			YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.71E+03		YES	YES	YES	8.90E+00					2.06E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.08E+03		YES												
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.00E+02	J		YES	YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	6.66E-02	J													
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.93E+01		YES												
Potassium	mg/kg	8.00E+02	NA	NA	7.11E+02														
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	7.47E-01	J	YES												
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND														
Sodium	mg/kg	6.34E+02	NA	NA	4.84E+01	J													
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.42E+01				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.12E+02		YES		YES										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-DEP04					HR-74Q-DEP05					HR-74Q-GP01				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0077					PJ0078					PJ0001				
				Sample Date:	11-Mar-02					13-Mar-02					26-Feb-02				
				Sample Depth (Feet):	0- .5					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND														
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND														
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND														
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND														
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND														
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND														
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND														
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND														
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND														
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND														
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND														
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND														
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND														
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND														
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	ND														
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND														
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	2.90E-02														
Acetone	mg/kg	NA	7.76E+02	2.50E+00	6.80E-01	J													
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP02					HR-74Q-GP03					HR-74Q-GP04				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0003					PJ0006					PJ0008				
				Sample Date:	26-Feb-02					26-Feb-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND														
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	4.40E-03	J			YES										
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	1.90E-02	J													
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02	2.00E-02	J			YES										
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND														
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.11E+04			YES	YES										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND														
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.03E+00	J		YES											
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	4.34E+01														
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.03E-01	J													
Calcium	mg/kg	1.72E+03	NA	NA	4.47E+03	J	YES												
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.48E+01				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.66E+00														
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.76E+01		YES												
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.14E+04	J		YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.89E+01					3.36E+01					2.49E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.79E+03	J	YES												
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.83E+02	J			YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND														
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.89E+00														
Potassium	mg/kg	8.00E+02	NA	NA	5.25E+02	J													
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND														
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND														
Sodium	mg/kg	6.34E+02	NA	NA	5.07E+01	J													
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.80E+01				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.34E+01	J													

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP02					HR-74Q-GP03					HR-74Q-GP04				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0003					PJ0006					PJ0008				
				Sample Date:	26-Feb-02					26-Feb-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	1.60E+00			YES	YES										
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	1.80E-01	J													
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	1.30E-01	J													
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	2.10E-01	J			YES										
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	3.50E-01	J													
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	4.40E-01			YES	YES										
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	1.10E+00			YES											
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	4.60E-01														
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	3.70E-01	J													
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	5.20E-01														
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	2.00E-01	J													
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	1.50E-01	J		YES											
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	4.30E-01				YES										
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	5.10E-01														
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	8.50E-01														
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	4.00E-01				YES										
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	6.50E-03	J													
Acetone	mg/kg	NA	7.76E+02	2.50E+00	5.70E-02	J													
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP05					HR-74Q-GP06					HR-74Q-GP07				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0010					PJ0011					PJ0012				
				Sample Date:	1-Mar-02					1-Mar-02					1-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.93E+01					2.21E+01					9.61E+02		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP05					HR-74Q-GP06					HR-74Q-GP07				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0010					PJ0011					PJ0012				
				Sample Date:	1-Mar-02					1-Mar-02					1-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP08					HR-74Q-GP09					HR-74Q-GP10				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0013					PJ0014					PJ0015				
				Sample Date:	1-Mar-02					6-Mar-02					1-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											2.88E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											1.91E+01	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											1.86E+01		YES	YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											5.06E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											1.10E+00	J	YES		YES
Calcium	mg/kg	1.72E+03	NA	NA											2.51E+02	B			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											2.51E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											8.05E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											3.21E+02	J	YES	YES	YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											4.24E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	9.08E+02		YES	YES	YES	1.73E+02		YES		YES	8.37E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											1.02E+03				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											8.97E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											5.36E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											1.75E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA											1.09E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01											1.24E+00	B	YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00											1.37E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA											6.40E+01	B			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											4.82E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											8.12E+01		YES		YES

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP08					HR-74Q-GP09					HR-74Q-GP10				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0013					PJ0014					PJ0015				
				Sample Date:	1-Mar-02					6-Mar-02					1-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP11					HR-74Q-GP12					HR-74Q-GP13				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0017					PJ0018					PJ0019				
				Sample Date:	6-Mar-02					6-Mar-02					6-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.09E+03		YES	YES	YES	5.87E+01		YES		YES	1.61E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP11					HR-74Q-GP12					HR-74Q-GP13				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0017					PJ0018					PJ0019				
				Sample Date:	6-Mar-02					6-Mar-02					6-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP14					HR-74Q-GP15					HR-74Q-GP16				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0020					PJ0021					PJ0023				
				Sample Date:	6-Mar-02					26-Feb-02					6-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.60E+02		YES	YES	YES	2.81E+02		YES		YES	1.77E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP14					HR-74Q-GP15					HR-74Q-GP16				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0020					PJ0021					PJ0023				
				Sample Date:	6-Mar-02					26-Feb-02					6-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP17					HR-74Q-GP18					HR-74Q-GP19				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0024					PJ0025					PJ0027				
				Sample Date:	6-Mar-02					7-Mar-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											1.48E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											6.84E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											5.53E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											4.06E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA											5.16E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											1.57E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											9.02E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											4.36E+01	J	YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											2.04E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.84E+02		YES		YES	1.52E+01	J				4.59E+01		YES		
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											7.27E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											2.02E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											5.09E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											9.80E+00				
Potassium	mg/kg	8.00E+02	NA	NA											7.09E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01											ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00											ND				
Sodium	mg/kg	6.34E+02	NA	NA											4.85E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											2.97E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											2.84E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP17					HR-74Q-GP18					HR-74Q-GP19				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0024					PJ0025					PJ0027				
				Sample Date:	6-Mar-02					7-Mar-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP20					HR-74Q-GP21					HR-74Q-GP22				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0029					PJ0031					PJ0032				
				Sample Date:	6-Mar-02					7-Mar-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01											ND				
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											ND				
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						1.08E+04			YES	YES	1.36E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						8.64E+01		YES	YES	YES	5.83E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						2.43E+01		YES	YES	YES	3.95E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						3.63E+01					9.04E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						ND					7.24E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA						3.21E+02					7.83E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.11E+01				YES	1.83E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						4.01E+00					6.14E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.23E+02		YES		YES	2.70E+02	J	YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.38E+04			YES	YES	2.03E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.75E+02		YES		YES	1.59E+04	J	YES	YES	YES	2.29E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						3.21E+02					5.26E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						3.79E+02			YES	YES	5.38E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						3.39E-02	J				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						5.42E+00					7.97E+00				
Potassium	mg/kg	8.00E+02	NA	NA						3.59E+02	J				7.64E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						5.02E-01	J	YES			5.49E-01	J	YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00						ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA						3.78E+01	B				4.64E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.08E+01				YES	2.69E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						3.41E+01					4.68E+01	J	YES		

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP20					HR-74Q-GP21					HR-74Q-GP22				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0029					PJ0031					PJ0032				
				Sample Date:	6-Mar-02					7-Mar-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02											ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01											ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00											ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01											ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02											ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02											ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02											ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01											ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02											ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01											ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											1.20E-02	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00											1.10E-01	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP23					HR-74Q-GP24					HR-74Q-GP25				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0034					PJ0035					PJ0036				
				Sample Date:	6-Mar-02					6-Mar-02					7-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.66E+01					5.62E+01		YES		YES	2.26E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP23					HR-74Q-GP24					HR-74Q-GP25				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0034					PJ0035					PJ0036				
				Sample Date:	6-Mar-02					6-Mar-02					7-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP26					HR-74Q-GP27					HR-74Q-GP28				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0037					PJ0038					PJ0039				
				Sample Date:	7-Mar-02					7-Mar-02					7-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						1.05E+04			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						7.42E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						7.01E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						5.95E+00		YES		YES					
Calcium	mg/kg	1.72E+03	NA	NA						1.07E+04		YES							
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.06E+01				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						8.60E+01		YES		YES					
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						3.97E+01		YES							
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						3.27E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.33E+02	J	YES	YES	YES	2.13E+02	J	YES		YES	4.93E+01	J	YES		
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						7.14E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						8.97E+02			YES	YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						1.38E-01		YES		YES					
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						6.59E+01		YES		YES					
Potassium	mg/kg	8.00E+02	NA	NA						4.98E+02	J								
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						6.43E-01	J	YES							
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00						ND									
Sodium	mg/kg	6.34E+02	NA	NA						5.99E+01	J								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.26E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.08E+02		YES		YES					

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP26					HR-74Q-GP27					HR-74Q-GP28				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0037					PJ0038					PJ0039				
				Sample Date:	7-Mar-02					7-Mar-02					7-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP29					HR-74Q-GP30				
				Parcel:	HR-74Q					HR-74Q				
				Sample Number:	PJ0040					PJ0042				
				Sample Date:	7-Mar-02					8-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND				
PESTICIDES														
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03						ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND				
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02						ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01						ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND				
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						8.56E+03			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						1.47E+01		YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						1.82E+01		YES	YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						4.24E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						2.07E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA						2.50E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.22E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						8.37E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.48E+03		YES	YES	YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						3.78E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.49E+02		YES		YES	8.45E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						8.82E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.04E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						9.70E-02	J	YES		
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						3.38E+01		YES		YES
Potassium	mg/kg	8.00E+02	NA	NA						5.34E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						1.54E+00		YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00						1.61E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA						6.15E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.48E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						3.99E+02		YES		YES

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP29					HR-74Q-GP30				
				Parcel:	HR-74Q					HR-74Q				
				Sample Number:	PJ0040					PJ0042				
				Sample Date:	7-Mar-02					8-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS														
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND				
SEMIVOLATILE ORGANIC COMPOUNDS														
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND				
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02						ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01						ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						ND				
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						5.00E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00						1.60E-01				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01						ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP31					HR-74Q-GP32					HR-74Q-GP33				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0044					PJ0046					PJ0047				
				Sample Date:	27-Feb-02					06-Mar-02					06-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.51E+03		YES	YES	YES	1.71E+01					3.20E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP31					HR-74Q-GP32					HR-74Q-GP33				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0044					PJ0046					PJ0047				
				Sample Date:	27-Feb-02					06-Mar-02					06-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP34					HR-74Q-GP35					HR-74Q-GP36				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0048					PJ0049					PJ0051				
				Sample Date:	07-Mar-02					27-Feb-02					06-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.71E+02	J	YES		YES	9.42E+01		YES		YES	1.51E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP34					HR-74Q-GP35					HR-74Q-GP36				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0048					PJ0049					PJ0051				
				Sample Date:	07-Mar-02					27-Feb-02					06-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP37					HR-74Q-GP38					HR-74Q-GP39				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0052					PJ0053					PJ0055				
				Sample Date:	07-Mar-02					07-Mar-02					07-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	9.98E+01	J	YES		YES	2.81E+01					3.44E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP37					HR-74Q-GP38					HR-74Q-GP39				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0052					PJ0053					PJ0055				
				Sample Date:	07-Mar-02					07-Mar-02					07-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP40					HR-74Q-GP41					HR-74Q-GP42				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0056					PJ0057					PJ0058				
				Sample Date:	07-Mar-02					06-Mar-02					07-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01											1.70E+00	J			YES
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											ND				
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											1.10E-03	J			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											8.10E-04	J			
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											1.50E-03	J			YES
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											7.13E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											5.39E+01		YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											1.09E+01			YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											6.79E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											3.03E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA											6.73E+04		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											7.89E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											1.31E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											1.29E+03		YES	YES	YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											2.30E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.74E+03		YES	YES	YES	3.39E+01					2.33E+04		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											1.11E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											3.17E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											4.78E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											2.48E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA											6.04E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01											ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00											ND				
Sodium	mg/kg	6.34E+02	NA	NA											5.69E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											1.64E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											3.48E+02		YES		YES

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP40					HR-74Q-GP41					HR-74Q-GP42				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0056					PJ0057					PJ0058				
				Sample Date:	07-Mar-02					06-Mar-02					07-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02											ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01											ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00											ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01											ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02											ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02											ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02											ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01											ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02											ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01											ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											7.40E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00											2.20E-01	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP43					HR-74Q-GP44					HR-74Q-GP45				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0059					PJ0060					PJ0061				
				Sample Date:	06-Mar-02					07-Mar-02					07-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01						1.10E+00	J			YES	ND				
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03						ND					ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND					ND				
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02						ND					ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01						ND					ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND					ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND					ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						1.04E+04			YES	YES	9.96E+03			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						5.48E+00			YES		4.16E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						3.48E+01					3.41E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						ND					ND				
Calcium	mg/kg	1.72E+03	NA	NA						2.62E+02					2.97E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.48E+01				YES	1.36E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						9.70E+00					9.45E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.04E+01					2.15E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						2.03E+04			YES	YES	1.76E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.28E+01					2.42E+01					7.20E+02		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						4.36E+02					4.18E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.75E+02				YES	2.35E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						4.28E-02	J				3.43E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						5.00E+00					4.52E+00				
Potassium	mg/kg	8.00E+02	NA	NA						5.90E+02					4.47E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						5.39E-01	J	YES			9.19E-01	J	YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00						ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA						3.81E+01	J				4.35E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.74E+01				YES	2.49E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.85E+01					1.77E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP43					HR-74Q-GP44					HR-74Q-GP45				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0059					PJ0060					PJ0061				
				Sample Date:	06-Mar-02					07-Mar-02					07-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND					ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND					ND				
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND					ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND					ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						1.10E-01	J				ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						7.30E-02	J				ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						1.50E-01	J				ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						ND					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						ND					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						1.20E-01	J				ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02						ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						2.40E-01	J			YES	ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						ND					ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01						ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						1.90E-01	J			YES	ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						3.70E-03	J				3.40E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00						7.20E-02	J				4.50E-02	J			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01						ND					ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP46					HR-74Q-GP69					HR-74Q-GP70				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0062					PJ0101					PJ0103				
				Sample Date:	26-Feb-02					29-Aug-02					28-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND														
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND														
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND														
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02	ND														
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND														
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.78E+04		YES	YES	YES										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND														
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.24E+00	J		YES											
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.74E+02		YES		YES										
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.24E+00		YES		YES										
Calcium	mg/kg	1.72E+03	NA	NA	1.57E+03	J													
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.25E+01				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.31E+00														
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.29E+01		YES												
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.17E+04	J		YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.73E+01														
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.09E+03	J	YES												
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	9.08E+02	J		YES	YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.16E-02	J													
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.41E+00														
Potassium	mg/kg	8.00E+02	NA	NA	7.56E+02														
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND														
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND														
Sodium	mg/kg	6.34E+02	NA	NA	6.16E+01	J													
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.07E+01				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	7.25E+01	J	YES		YES										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP46					HR-74Q-GP69					HR-74Q-GP70				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0062					PJ0101					PJ0103				
				Sample Date:	26-Feb-02					29-Aug-02					28-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND					ND					ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND														
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND														
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND														
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND														
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND														
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND														
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND														
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND														
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND														
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	2.40E+00														
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND														
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND														
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND														
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	1.90E-01	J													
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND														
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	2.20E-02														
Acetone	mg/kg	NA	7.76E+02	2.50E+00	1.80E-01	J													
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	1.20E-03	J													

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP71					HR-74Q-GP72					HR-74Q-GP73				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0105					PJ0107					PJ0109				
				Sample Date:	29-Aug-02					28-Aug-02					29-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01															
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP71					HR-74Q-GP72					HR-74Q-GP73				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0105					PJ0107					PJ0109				
				Sample Date:	29-Aug-02					28-Aug-02					29-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND					ND					ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP74					HR-74Q-GP75					HR-74Q-MW01				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0111					PJ0113					PJ0064				
				Sample Date:	28-Aug-02					28-Aug-02					26-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01											1.31E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-GP74					HR-74Q-GP75					HR-74Q-MW01				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0111					PJ0113					PJ0064				
				Sample Date:	28-Aug-02					28-Aug-02					26-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND					ND									
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-MW02					HR-74Q-MW03					HR-74Q-MW04				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0066					PJ0068					PJ0071				
				Sample Date:	26-Feb-02					28-Feb-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND									
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03						ND									
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND									
Endrin ketone	mg/kg	NA	2.32E-01	1.05E-02						ND									
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01						ND									
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.50E+04			YES	YES	1.80E+04		YES	YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					5.14E+01	J	YES	YES	YES					
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.83E+00	J		YES		8.84E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.07E+02					1.67E+02		YES		YES					
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.92E-01	J				7.32E-01	J								
Calcium	mg/kg	1.72E+03	NA	NA	3.57E+02	J				4.59E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.31E+01				YES	1.68E+01				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.74E+00					7.90E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.28E+01		YES			5.76E+02	J	YES	YES	YES					
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.96E+04	J		YES	YES	1.69E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.52E+01					1.50E+04		YES	YES	YES	1.58E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	7.13E+02	J				9.01E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.25E+02	J		YES	YES	6.80E+02			YES	YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.30E-02	J				3.75E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.41E+00					1.06E+01		YES							
Potassium	mg/kg	8.00E+02	NA	NA	8.07E+02		YES			1.48E+03		YES							
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	5.91E-01	J	YES			6.84E-01	B	YES							
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND									
Sodium	mg/kg	6.34E+02	NA	NA	4.55E+01	J				6.33E+01	B								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.04E+01				YES	2.62E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.28E+01	J				1.31E+02		YES		YES					

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-MW02					HR-74Q-MW03					HR-74Q-MW04				
				Parcel:	HR-74Q					HR-74Q					HR-74Q				
				Sample Number:	PJ0066					PJ0068					PJ0071				
				Sample Date:	26-Feb-02					28-Feb-02					27-Feb-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND									
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND									
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND									
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND									
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						ND									
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						ND									
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND									
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						ND									
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						ND									
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						ND									
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02						ND									
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND									
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						ND									
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						ND									
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01						ND									
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						ND									
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						7.40E-03	J								
Acetone	mg/kg	NA	7.76E+02	2.50E+00						9.40E-02	J								
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01						ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-DEP03					HR-76Q-DEP05					HR-76Q-GP01				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample Number:	PK0020					PK0023					PK0001				
				Sample Date:	14-May-02					15-May-02					09-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01						2.40E-02	J								
PESTICIDES																			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						3.30E-04	J								
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						1.27E+04			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						2.98E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						9.11E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						1.06E+00	J	YES							
Calcium	mg/kg	1.72E+03	NA	NA						2.43E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						9.74E+00				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						8.11E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.53E+01		YES							
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.48E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.34E+01					5.07E+01		YES		YES	3.67E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						6.57E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						7.72E+02			YES	YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						6.27E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						5.45E+00									
Potassium	mg/kg	8.00E+02	NA	NA						2.98E+03		YES							
Sodium	mg/kg	6.34E+02	NA	NA						4.58E+01	J								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						1.76E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						2.05E+01									
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00						6.70E-02	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						1.80E-03	B								

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-GP02					HR-76Q-GP03					HR-76Q-GP04				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample Number:	PK0002					PK0004					PK0005				
				Sample Date:	09-May-02					09-May-02					09-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01															
PESTICIDES																			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											1.34E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											1.01E+01	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											3.56E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											1.73E+02		YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											7.83E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA											8.79E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											1.10E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											6.64E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											2.48E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											1.44E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.60E+03		YES	YES	YES	1.05E+03		YES	YES	YES	1.38E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											6.19E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											8.00E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											4.41E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											4.08E+00				
Potassium	mg/kg	8.00E+02	NA	NA											7.29E+02				
Sodium	mg/kg	6.34E+02	NA	NA											ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											1.47E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											5.56E+01	J	YES		YES
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-GP05					HR-76Q-GP06					HR-76Q-GP07				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample Number:	PK0006					PK0007					PK0010				
				Sample Date:	09-May-02					09-May-02					09-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01	ND					ND									
PESTICIDES																			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND					ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.42E+04			YES	YES	1.41E+04			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					9.97E+00	J	YES	YES	YES					
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.67E+00			YES		4.44E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	4.64E+01					5.49E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.43E-01	J				4.51E-01	J								
Calcium	mg/kg	1.72E+03	NA	NA	6.95E+01	J				1.53E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.38E+01				YES	1.79E+01	J			YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.46E+00	J				4.17E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.29E+01		YES			1.05E+02		YES		YES					
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.11E+04			YES	YES	2.41E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	9.12E+01		YES		YES	1.23E+03		YES	YES	YES	3.26E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	5.91E+02					4.80E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.40E+01					1.07E+02				YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					3.19E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.63E+00					5.06E+00									
Potassium	mg/kg	8.00E+02	NA	NA	1.93E+03		YES			7.15E+02									
Sodium	mg/kg	6.34E+02	NA	NA	ND					5.33E+01	J								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.37E+01				YES	1.92E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.25E+01	J				3.10E+01	J								
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00	ND					6.00E-02	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-GP08					HR-76Q-GP09					HR-76Q-GP10				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample Number:	PK0011					PK0013					PK0014				
				Sample Date:	09-May-02					09-May-02					09-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01															
PESTICIDES																			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.66E+03		YES	YES	YES	1.14E+02		YES		YES	3.64E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-GP11					HR-76Q-GP12					HR-76Q-DEP03				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample Number:	PK0015					PK0016					PK0020				
				Sample Date:	09-May-02					09-May-02					14-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01															
PESTICIDES																			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.47E+03		YES	YES	YES	6.12E+01		YES		YES	2.46E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-DEP04					HR-79Q-DEP07					HR-79Q-DEP08				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0123					PL0126					PL0127				
				Sample Date:	18-Mar-02					19-Mar-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND					2.90E+00	J			YES					
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	ND					ND									
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND					3.30E-03	J			YES					
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND					3.00E-03	J			YES					
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	ND					ND									
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04	ND					ND									
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01	ND					ND									
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01	ND					ND									
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND					ND									
Endrin	mg/kg	NA	2.32E+00	1.00E-03	ND					ND									
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND					ND									
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	5.70E-04	J				ND									
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	1.90E-03	J			YES	ND									
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05	ND					ND									
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					2.40E-03	J								
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	9.65E+03			YES	YES	1.25E+04			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.21E+00	J		YES		6.25E+00	J		YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.17E+02	J				2.49E+02	J	YES		YES					
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.22E+00	J	YES		YES	1.60E+00		YES		YES					
Calcium	mg/kg	1.72E+03	NA	NA	2.29E+03		YES			1.75E+03		YES							
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.04E+01				YES	2.48E+01			YES	YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	9.52E+00	J				3.17E+01	J	YES		YES					
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.09E+02		YES		YES	2.64E+01		YES							
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.65E+04			YES	YES	2.30E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.85E+02	J	YES		YES	5.98E+01	J	YES		YES	1.82E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	5.84E+02					5.41E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	5.22E+02			YES	YES	4.58E+03		YES	YES	YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	4.85E-02	J				5.02E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.01E+01	J				9.91E+00	J								
Potassium	mg/kg	8.00E+02	NA	NA	2.25E+03		YES			7.07E+02									
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND									
Sodium	mg/kg	6.34E+02	NA	NA	ND					ND									
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.34E+01				YES	2.73E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	6.00E+01		YES		YES	4.16E+01		YES							

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-DEP04					HR-79Q-DEP07					HR-79Q-DEP08				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0123					PL0126					PL0127				
				Sample Date:	18-Mar-02					19-Mar-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND					ND									
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND					ND									
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02	ND					ND									
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND					ND									
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND					ND									
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					ND									
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND					ND									
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND					ND									
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					ND									
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	ND					ND									
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					ND									
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	2.90E-02					6.00E-02									
Acetone	mg/kg	NA	7.76E+02	2.50E+00	3.70E-01					5.50E-01	J								
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01	ND					ND									
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	3.30E-03	J				ND									
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	5.00E-03	B				ND									
Toluene	mg/kg	NA	1.55E+03	5.00E-02	2.00E-03	J				1.50E-03	J								
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03	ND					ND									
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	3.30E-03	J				ND									
p-Cymene	mg/kg	NA	1.55E+03	NA	1.90E-03	J				ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:		HR-79Q-GP01					HR-79Q-GP02					HR-79Q-GP03				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0067					PL0068					PL0069				
			Sample Date:		18-Mar-02					18-Mar-02					18-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.08E+01	J				1.70E+01	J				2.27E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP01					HR-79Q-GP02					HR-79Q-GP03				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0067					PL0068					PL0069				
				Sample Date:	18-Mar-02					18-Mar-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP04					HR-79Q-GP05					HR-79Q-GP06				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0071					PL0073					PL0074				
				Sample Date:	9-Apr-02					7-May-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND					ND									
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	ND					ND									
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND					ND									
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND					ND									
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	1.30E-02				YES	3.80E-03				YES					
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04	3.90E-03	J			YES	ND									
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01	7.00E-03					ND									
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01	ND					ND									
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	1.10E-02					ND									
Endrin	mg/kg	NA	2.32E+00	1.00E-03	3.60E-03	J			YES	ND									
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	2.10E-02	J			YES	ND									
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND					ND									
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	1.50E-02					1.20E-03	J								
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND					ND									
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05	ND					ND									
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	8.46E+03			YES	YES	8.47E+03			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.13E+00			YES		1.74E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.15E+02	J	YES		YES	7.40E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.12E-01	J				ND									
Calcium	mg/kg	1.72E+03	NA	NA	5.76E+02					1.98E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	9.06E+00	J			YES	1.05E+01				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.01E+00	J				2.23E+00	J								
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	5.60E+01	J	YES		YES	1.20E+01									
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.08E+04			YES	YES	1.25E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.40E+01					8.79E+00					7.19E+01	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	5.01E+02					2.86E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	9.43E+02			YES	YES	2.16E+02				YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND									
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	3.50E+00					2.76E+00									
Potassium	mg/kg	8.00E+02	NA	NA	9.85E+02		YES			4.81E+02	J								
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND									
Sodium	mg/kg	6.34E+02	NA	NA	5.09E+01	J				7.43E+01	J								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.46E+01				YES	1.70E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.05E+01					7.99E+00	J								

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP04					HR-79Q-GP05					HR-79Q-GP06				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0071					PL0073					PL0074				
				Sample Date:	9-Apr-02					7-May-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	1.00E+01			YES	YES	1.10E+00	J		YES						
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	4.10E-01				YES	ND									
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02	ND					ND									
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	1.90E+00			YES	YES	4.20E-01									
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	8.60E-02	J			YES	ND									
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	8.40E-02	J				ND									
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	6.20E-02	J				ND									
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	1.30E+00					1.60E-01	J								
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	8.70E-02	J				ND									
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	4.10E+00					6.60E-01									
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	7.00E-02	J				ND									
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	ND					ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00	4.10E-01	J				3.30E-02	J								
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01	ND					ND									
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND									
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND					ND									
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND					ND									
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03	ND					ND									
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND					ND									
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP07					HR-79Q-GP08				
				Parcel:	HR-79Q					HR-79Q				
				Sample Number:	PL0075					PL0076				
				Sample Date:	8-May-02					7-May-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
MCPP	mg/kg	NA	7.77E+00	1.00E-01										
PESTICIDES														
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03										
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03										
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03										
Aldrin	mg/kg	NA	3.65E-02	2.50E-03										
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04										
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01										
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01										
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02										
Endrin	mg/kg	NA	2.32E+00	1.00E-03										
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02										
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03										
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01										
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03										
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05										
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00										
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01										
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02										
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00										
Calcium	mg/kg	1.72E+03	NA	NA										
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01										
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01										
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.73E+01					1.00E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05										
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01										
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01										
Potassium	mg/kg	8.00E+02	NA	NA										
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01										
Sodium	mg/kg	6.34E+02	NA	NA										
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP07					HR-79Q-GP08				
				Parcel:	HR-79Q					HR-79Q				
				Sample Number:	PL0075					PL0076				
				Sample Date:	8-May-02					7-May-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS														
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00										
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02										
PESTICIDES/PCBs														
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02										
SEMIVOLATILE ORGANIC COMPOUNDS														
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00										
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02										
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01										
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00										
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02										
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01										
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01										
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01										
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01										
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01										
Toluene	mg/kg	NA	1.55E+03	5.00E-02										
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03										
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01										
p-Cymene	mg/kg	NA	1.55E+03	NA										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP09					HR-79Q-GP10					HR-79Q-GP11				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0077					PL0078					PL0079				
				Sample Date:	7-May-02					8-May-02					7-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	8.40E-01	J			YES										
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	ND														
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND														
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND														
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	ND														
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04	ND														
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01	ND														
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01	ND														
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND														
Endrin	mg/kg	NA	2.32E+00	1.00E-03	ND														
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND														
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	7.70E-04	J													
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND														
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05	ND														
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	4.20E+03				YES										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND														
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.37E+00			YES											
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	8.92E+01														
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND														
Calcium	mg/kg	1.72E+03	NA	NA	6.79E+02														
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	5.54E+00				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.65E+00														
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.73E+01		YES												
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	6.19E+03			YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.51E+02		YES		YES	2.57E+01					3.74E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.80E+02														
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.81E+02			YES	YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND														
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.20E+00	J													
Potassium	mg/kg	8.00E+02	NA	NA	4.89E+02	J													
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND														
Sodium	mg/kg	6.34E+02	NA	NA	7.63E+01	J													
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	8.78E+00				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.35E+01	J													

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP09					HR-79Q-GP10					HR-79Q-GP11				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0077					PL0078					PL0079				
				Sample Date:	7-May-02					8-May-02					7-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND														
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND														
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02	ND														
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND														
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND														
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND														
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND														
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND														
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND														
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	ND														
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND														
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	ND														
Acetone	mg/kg	NA	7.76E+02	2.50E+00	6.10E-02	J													
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01	ND														
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND														
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND														
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND														
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03	ND														
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND														
p-Cymene	mg/kg	NA	1.55E+03	NA	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP12					HR-79Q-GP13					HR-79Q-GP14				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0080					PL0082					PL0083				
				Sample Date:	10-Apr-02					7-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.58E+01	J				8.47E+02		YES	YES	YES	2.83E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP12					HR-79Q-GP13					HR-79Q-GP14				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0080					PL0082					PL0083				
				Sample Date:	10-Apr-02					7-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP15					HR-79Q-GP16					HR-79Q-GP17				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0084					PL0085					PL0086				
				Sample Date:	7-May-02					8-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01											7.40E-01	J			YES
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03											ND				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03											ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04											ND				
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01											ND				
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01											ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											ND				
Endrin	mg/kg	NA	2.32E+00	1.00E-03											ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02											ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											ND				
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											6.60E-03				YES
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05											ND				
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						1.25E+04			YES	YES	6.43E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						5.32E+00			YES		2.73E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						1.45E+02		YES			4.72E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						1.15E+00	J	YES		YES	4.21E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA						1.30E+03					5.10E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.44E+01				YES	1.53E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						1.55E+01		YES			3.69E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.03E+01					9.21E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.41E+04			YES	YES	1.11E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.15E+01		YES		YES	4.96E+01		YES			4.17E+01		YES		
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						5.82E+02					2.91E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.13E+03		YES	YES	YES	3.01E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						3.77E-02	J				3.13E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						7.26E+00					4.27E+00				
Potassium	mg/kg	8.00E+02	NA	NA						6.33E+02					3.45E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA						1.12E+02	J				1.09E+02	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.13E+01				YES	1.19E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						2.92E+01	J				1.58E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP15					HR-79Q-GP16					HR-79Q-GP17				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0084					PL0085					PL0086				
				Sample Date:	7-May-02					8-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND				
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02											ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02											ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01											ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00											2.00E-01	J			
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01											4.50E-03	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01											ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02											ND				
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03											1.80E-03	J			YES
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				
p-Cymene	mg/kg	NA	1.55E+03	NA											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP18					HR-79Q-GP19					HR-79Q-GP20				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0088					PL0090					PL0091				
				Sample Date:	10-Apr-02					7-May-02					9-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01											ND				
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03											ND				
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03											ND				
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04											ND				
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01											ND				
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01											ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											2.70E-03	J			
Endrin	mg/kg	NA	2.32E+00	1.00E-03											ND				
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02											ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											ND				
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05											2.10E-02	J			YES
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.35E+04			YES	YES						1.01E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND										ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.99E+00			YES							3.58E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	9.22E+01										1.15E+02	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	8.04E-01	J	YES								8.90E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	3.78E+02										6.37E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.48E+01				YES						1.26E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.33E+01										7.60E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.27E+01										1.22E+01	J			
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.64E+04			YES	YES						1.06E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.00E+01					5.54E+01		YES		YES	2.55E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.84E+02										4.38E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.87E+02			YES	YES						8.23E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	4.99E-02	J									3.98E-02	B			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.30E+00										5.47E+00				
Potassium	mg/kg	8.00E+02	NA	NA	4.84E+02	J									3.90E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND										ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.86E+01	J									7.60E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.34E+01				YES						1.61E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.80E+01										2.14E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP18					HR-79Q-GP19					HR-79Q-GP20				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0088					PL0090					PL0091				
				Sample Date:	10-Apr-02					7-May-02					9-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND				
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02											ND				
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND				
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											ND				
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02											ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											ND				
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01											ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00											4.70E-01	J			
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01											ND				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND				
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01											ND				
Toluene	mg/kg	NA	1.55E+03	5.00E-02											1.20E-03	J			
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03											ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				
p-Cymene	mg/kg	NA	1.55E+03	NA											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP21					HR-79Q-GP22					HR-79Q-GP23				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0093					PL0094					PL0095				
				Sample Date:	8-May-02					7-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.25E+01					3.30E+01					2.96E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP21					HR-79Q-GP22					HR-79Q-GP23				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0093					PL0094					PL0095				
				Sample Date:	8-May-02					7-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP24					HR-79Q-GP25					HR-79Q-GP26				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0096					PL0097					PL0098				
				Sample Date:	7-May-02					8-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.15E+01					3.14E+01					2.61E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP24					HR-79Q-GP25					HR-79Q-GP26				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0096					PL0097					PL0098				
				Sample Date:	7-May-02					8-May-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP27					HR-79Q-GP28					HR-79Q-GP29				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0099					PL0100					PL0103				
				Sample Date:	7-May-02					10-Apr-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						9.94E+03			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						4.70E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						7.13E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						5.09E-01	J								
Calcium	mg/kg	1.72E+03	NA	NA						4.50E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.92E+01				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						4.26E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						8.37E+00									
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.82E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.53E+01					1.33E+01	J				1.64E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						4.23E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						3.25E+02				YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						4.91E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						5.09E+00	J								
Potassium	mg/kg	8.00E+02	NA	NA						4.04E+02	J								
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						5.79E-01	J	YES							
Sodium	mg/kg	6.34E+02	NA	NA						4.92E+01	J								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.40E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						2.15E+01									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP27					HR-79Q-GP28					HR-79Q-GP29				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0099					PL0100					PL0103				
				Sample Date:	7-May-02					10-Apr-02					8-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP30					HR-79Q-GP31					HR-79Q-GP32				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0104					PL0105					PL0106				
				Sample Date:	7-May-02					10-Apr-02					10-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	6.49E+01		YES		YES	5.39E+02		YES	YES	YES	1.05E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP30					HR-79Q-GP31					HR-79Q-GP32				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0104					PL0105					PL0106				
				Sample Date:	7-May-02					10-Apr-02					10-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP33					HR-79Q-GP34					HR-79Q-GP35				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0107					PL0108					PL0131				
				Sample Date:	7-May-02					8-May-02					10-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.19E+01					3.99E+01					9.50E+01	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP33					HR-79Q-GP34					HR-79Q-GP35				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0107					PL0108					PL0131				
				Sample Date:	7-May-02					8-May-02					10-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP36					HR-79Q-GP37					HR-79Q-GP38				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0137					PL0138					PL0139				
				Sample Date:	8-May-02					8-May-02					28-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.82E+01					1.81E+01									
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP36					HR-79Q-GP37					HR-79Q-GP38				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0137					PL0138					PL0139				
				Sample Date:	8-May-02					8-May-02					28-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND	ND			
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP40					HR-79Q-GP41					HR-79Q-GP42				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0143					PL0145					PL0147				
				Sample Date:	28-Aug-02					28-Aug-02					27-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01															
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP40					HR-79Q-GP41					HR-79Q-GP42				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0143					PL0145					PL0147				
				Sample Date:	28-Aug-02					28-Aug-02					27-Aug-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND	ND				ND	ND				ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND	ND				ND	ND				ND	ND			
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP43					HR-79Q-GP44					HR-79Q-GP45				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0149					PL0151					PL0153				
				Sample Date:	27-Aug-02					27-Aug-02					18-Sep-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01															
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP43					HR-79Q-GP44					HR-79Q-GP45				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0149					PL0151					PL0153				
				Sample Date:	27-Aug-02					27-Aug-02					18-Sep-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND	ND				ND	ND				ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND	ND				ND	ND				ND	ND			
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP46					HR-79Q-GP47					HR-79Q-MW01				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0155					PL0157					PL0109				
				Sample Date:	27-Aug-02					27-Aug-02					9-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01											ND	ND			
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03											ND	ND			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03											ND	ND			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND	ND			
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND	ND			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04											ND	ND			
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01											ND	ND			
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01											ND	ND			
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											ND	ND			
Endrin	mg/kg	NA	2.32E+00	1.00E-03											ND	ND			
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02											ND	ND			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											ND	ND			
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											3.50E-04	J			
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND	ND			
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05											ND	ND			
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND	ND			
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											1.30E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											7.17E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											1.75E+01		YES	YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											3.66E+02	J	YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											1.08E+00	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA											1.03E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											2.22E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											2.47E+01	J	YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											1.45E+02	J	YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											2.96E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01											2.16E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											8.54E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											2.24E+03		YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											4.44E-02	B			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											1.40E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA											9.01E+02		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01											ND	ND			
Sodium	mg/kg	6.34E+02	NA	NA											5.92E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											3.46E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											5.35E+01		YES		YES

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-GP46					HR-79Q-GP47					HR-79Q-MW01				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0155					PL0157					PL0109				
				Sample Date:	27-Aug-02					27-Aug-02					9-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND	ND				ND	ND				ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND	ND				ND	ND				ND	ND			
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02											ND	ND			
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND	ND			
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											ND	ND			
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											ND	ND			
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02											ND	ND			
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											ND	ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01											ND	ND			
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											ND	ND			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											ND	ND			
Acetone	mg/kg	NA	7.76E+02	2.50E+00											2.80E-01	J			
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01											ND	ND			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND	ND			
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01											ND	ND			
Toluene	mg/kg	NA	1.55E+03	5.00E-02											ND	ND			
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03											ND	ND			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND	ND			
p-Cymene	mg/kg	NA	1.55E+03	NA											ND	ND			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-MW02					HR-79Q-MW03					HR-79Q-MW04				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0112					PL0114					PL0116				
				Sample Date:	9-Apr-02					9-Apr-02					10-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											6.57E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											ND	ND			
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											1.84E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											1.09E+02				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											1.06E+00	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA											8.88E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											5.04E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											4.71E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											7.15E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											5.80E+03			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.64E+01					3.08E+01	J				1.64E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											2.67E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											1.05E+03			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											4.24E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											3.82E+00	J			
Potassium	mg/kg	8.00E+02	NA	NA											1.64E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01											ND	ND			
Sodium	mg/kg	6.34E+02	NA	NA											4.70E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											8.91E+00				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											2.01E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-MW02					HR-79Q-MW03					HR-79Q-MW04				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0112					PL0114					PL0116				
				Sample Date:	9-Apr-02					9-Apr-02					10-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB01					HR-79Q-SB02					HR-79Q-SB03				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0001					PL0007					PL0014				
				Sample Date:	11-Mar-02					13-Mar-02					13-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND	ND				ND	ND			
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03						ND	ND				ND	ND			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03						ND	ND				ND	ND			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03						ND	ND				ND	ND			
Aldrin	mg/kg	NA	3.65E-02	2.50E-03						ND	ND				ND	ND			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						ND	ND				1.50E-03	J			YES
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01						ND	ND				ND	ND			
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01						ND	ND				ND	ND			
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND	ND				ND	ND			
Endrin	mg/kg	NA	2.32E+00	1.00E-03						ND	ND				ND	ND			
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02						ND	ND				ND	ND			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND	ND				ND	ND			
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND	ND				ND	ND			
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND	ND				ND	ND			
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05						ND	ND				ND	ND			
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND	ND				ND	ND			
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	2.34E+04		YES	YES	YES	1.52E+04			YES	YES	8.38E+03			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND	ND				ND	ND				ND	ND			
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	9.91E+00	J		YES		6.52E+00			YES		4.36E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	5.61E+01					7.46E+01					1.58E+02		YES		
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	7.50E-01	J				7.23E-01	J				7.57E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	2.70E+02					5.06E+02					5.41E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.06E+01				YES	1.66E+01				YES	1.24E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.15E+01					7.94E+00					1.49E+01	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	6.36E+01		YES		YES	9.78E+01		YES		YES	5.11E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	4.27E+04		YES	YES	YES	2.20E+04			YES	YES	2.02E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	6.70E+02	J	YES	YES	YES	8.68E+02		YES	YES	YES	4.52E+02		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.57E+02					5.32E+02					3.30E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.62E+03		YES	YES	YES	1.20E+03			YES	YES	1.84E+03	J	YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	7.45E-02	J				4.59E-02	J				ND	ND			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.41E+01		YES			8.95E+00					5.26E+00				
Potassium	mg/kg	8.00E+02	NA	NA	6.27E+02					6.55E+02					5.07E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	1.08E+00	J	YES		YES	ND	ND				ND	ND			
Sodium	mg/kg	6.34E+02	NA	NA	1.25E+02	B				1.48E+02					1.57E+02				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.94E+01				YES	2.53E+01				YES	1.71E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.65E+01	J				3.58E+01					2.67E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB01					HR-79Q-SB02					HR-79Q-SB03				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0001					PL0007					PL0014				
				Sample Date:	11-Mar-02					13-Mar-02					13-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND	ND				ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02						ND	ND				ND	ND			
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02						ND	ND				ND	ND			
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND	ND				ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02						ND	ND				ND	ND			
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND	ND				ND	ND			
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						ND	ND				ND	ND			
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02						ND	ND				ND	ND			
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						ND	ND				ND	ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01						ND	ND				ND	ND			
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						ND	ND				ND	ND			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						1.30E-02	J				1.70E-02	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00						2.00E-01	J				3.10E-01	J			
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01						ND	ND				ND	ND			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						1.40E-03	B				1.50E-03	B			
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01						ND	ND				ND	ND			
Toluene	mg/kg	NA	1.55E+03	5.00E-02						ND	ND				1.60E-03	J			
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03						ND	ND				ND	ND			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01						ND	ND				ND	ND			
p-Cymene	mg/kg	NA	1.55E+03	NA						ND	ND				ND	ND			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB04					HR-79Q-SB05					HR-79Q-SB06				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0021					PL0027					PL0034				
				Sample Date:	13-Mar-02					13-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01											ND	ND			
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03											1.30E-03	J			
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03											ND	ND			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND	ND			
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND	ND			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04											ND	ND			
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01											ND	ND			
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01											2.50E-02	J			
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											ND	ND			
Endrin	mg/kg	NA	2.32E+00	1.00E-03											ND	ND			
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02											ND	ND			
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											ND	ND			
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND	ND			
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND	ND			
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05											ND	ND			
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND	ND			
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						9.08E+03			YES	YES	1.23E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						8.34E+00	J	YES	YES	YES	5.86E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						6.75E+00			YES		1.05E+01			YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						1.62E+02		YES			9.00E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						8.48E-01	J	YES			8.12E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA						7.19E+02					4.71E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.57E+01				YES	1.19E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						1.13E+01					7.24E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.83E+02		YES		YES	1.94E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.99E+04			YES	YES	1.52E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.22E+02		YES	YES	YES	2.36E+03		YES	YES	YES	2.03E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						4.18E+02					4.91E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						1.30E+03			YES	YES	9.60E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						ND	ND				5.53E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						6.22E+00					7.91E+00				
Potassium	mg/kg	8.00E+02	NA	NA						8.13E+02		YES			4.37E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND	ND				ND	ND			
Sodium	mg/kg	6.34E+02	NA	NA						4.03E+01	J				4.36E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						1.86E+01				YES	1.88E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						4.62E+01	J	YES			4.59E+01	J	YES		

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB04					HR-79Q-SB05					HR-79Q-SB06				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0021					PL0027					PL0034				
				Sample Date:	13-Mar-02					13-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND	ND			
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02											ND	ND			
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00											ND	ND			
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02											ND	ND			
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											ND	ND			
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											ND	ND			
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02											ND	ND			
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											ND	ND			
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01											ND	ND			
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											ND	ND			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											2.20E-02	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00											3.60E-01	J			
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01											ND	ND			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND	ND			
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01											ND	ND			
Toluene	mg/kg	NA	1.55E+03	5.00E-02											9.80E-04	J			
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03											ND	ND			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND	ND			
p-Cymene	mg/kg	NA	1.55E+03	NA											ND	ND			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB07					HR-79Q-SB08					HR-79Q-SB09				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0040					PL0047					PL0053				
				Sample Date:	14-Mar-02					15-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND	ND								
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03						ND	ND								
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03						ND	ND								
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03						ND	ND								
Aldrin	mg/kg	NA	3.65E-02	2.50E-03						ND	ND								
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						ND	ND								
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01						ND	ND								
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01						ND	ND								
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND	ND								
Endrin	mg/kg	NA	2.32E+00	1.00E-03						ND	ND								
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02						ND	ND								
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND	ND								
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND	ND								
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						1.10E-03	J			YES					
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05						ND	ND								
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND	ND								
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.88E+03				YES	5.24E+03				YES	5.37E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND	ND				ND	ND				ND	ND			
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	2.28E+00			YES		2.71E+00			YES		3.84E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.67E+02		YES		YES	5.70E+02		YES	YES	YES	1.70E+02		YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND	ND				7.65E-01	J				6.14E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	2.04E+02					2.20E+02					2.41E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.44E+01				YES	7.27E+00				YES	9.50E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	ND	ND				8.28E+00					6.36E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.34E+01		YES			4.24E+01		YES		YES	1.07E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.27E+04			YES	YES	1.41E+04			YES	YES	1.21E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.54E+01		YES		YES	2.79E+02	J	YES		YES	1.25E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.62E+02					2.42E+02					1.26E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.12E+01					2.36E+03		YES	YES	YES	8.36E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND	ND				3.57E-02	J				ND	ND			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	3.57E+00					4.19E+00					4.51E+00				
Potassium	mg/kg	8.00E+02	NA	NA	9.85E+02		YES			2.48E+03		YES			4.22E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND	ND				ND	ND				ND	ND			
Sodium	mg/kg	6.34E+02	NA	NA	4.17E+01	J				ND	ND				3.66E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.02E+01				YES	1.23E+01				YES	1.16E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	9.48E+00	J				1.85E+01					3.97E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB07					HR-79Q-SB08					HR-79Q-SB09				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0040					PL0047					PL0053				
				Sample Date:	14-Mar-02					15-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND	ND								
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02						ND	ND								
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02						ND	ND								
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00						ND	ND								
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02						ND	ND								
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND	ND								
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						ND	ND								
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02						ND	ND								
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						ND	ND								
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01						ND	ND								
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						ND	ND								
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						ND	ND								
Acetone	mg/kg	NA	7.76E+02	2.50E+00						7.40E-02	J								
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01						ND	ND								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND	ND								
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01						ND	ND								
Toluene	mg/kg	NA	1.55E+03	5.00E-02						ND	ND								
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03						ND	ND								
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01						ND	ND								
p-Cymene	mg/kg	NA	1.55E+03	NA						ND	ND								

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB10					HR-79Q-SS01					HR-79Q-SS02				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0060					PL0003					PL0004				
				Sample Date:	18-Mar-02					11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND	ND													
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03	ND	ND													
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03	ND	ND													
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND	ND													
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	ND	ND													
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04	8.80E-04	J			YES										
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01	ND	ND													
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01	ND	ND													
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND	ND													
Endrin	mg/kg	NA	2.32E+00	1.00E-03	ND	ND													
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02	ND	ND													
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND	ND													
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND	ND													
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND	ND													
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05	1.20E-03	J			YES										
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND	ND													
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	9.69E+03			YES	YES										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND	ND													
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.10E+00	J		YES											
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.02E+02	J													
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.53E-01	J													
Calcium	mg/kg	1.72E+03	NA	NA	4.99E+02														
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.37E+01				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.55E+00	J													
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.01E+01		YES												
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.31E+04			YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.47E+01	J	YES		YES	1.49E+02	J	YES		YES	1.00E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	4.12E+02														
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	7.76E+02			YES	YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.06E-02	J													
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.74E+00	J													
Potassium	mg/kg	8.00E+02	NA	NA	4.14E+02	J													
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND	ND													
Sodium	mg/kg	6.34E+02	NA	NA	ND	ND													
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.57E+01				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.00E+01														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SB10					HR-79Q-SS01					HR-79Q-SS02				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0060					PL0003					PL0004				
				Sample Date:	18-Mar-02					11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND	ND													
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND	ND													
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02	2.20E-02	J			YES										
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00	ND	ND													
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02	ND	ND													
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND	ND													
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND	ND													
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02	ND	ND													
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND	ND													
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01	ND	ND													
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND	ND													
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.50E-02	J													
Acetone	mg/kg	NA	7.76E+02	2.50E+00	2.20E-01														
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01	ND	ND													
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	3.00E-03	J													
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01	ND	ND													
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND	ND													
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03	ND	ND													
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND	ND													
p-Cymene	mg/kg	NA	1.55E+03	NA	ND	ND													

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SS03					HR-79Q-SS04					HR-79Q-SS05				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0005					PL0006					PL0010				
				Sample Date:	11-Mar-02					11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.32E+02	J	YES	YES	YES	2.62E+02	J	YES		YES	1.22E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SS03					HR-79Q-SS04					HR-79Q-SS05				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0005					PL0006					PL0010				
				Sample Date:	11-Mar-02					11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SS06					HR-79Q-SS07				
				Parcel:	HR-79Q					HR-79Q				
				Sample Number:	PL0011					PL0012				
				Sample Date:	11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
MCPP	mg/kg	NA	7.77E+00	1.00E-01										
PESTICIDES														
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03										
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03										
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03										
Aldrin	mg/kg	NA	3.65E-02	2.50E-03										
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04										
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01										
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01										
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02										
Endrin	mg/kg	NA	2.32E+00	1.00E-03										
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02										
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03										
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01										
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03										
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05										
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00										
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01										
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02										
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00										
Calcium	mg/kg	1.72E+03	NA	NA										
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01										
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01										
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.00E+03	J	YES	YES	YES	2.20E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05										
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01										
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01										
Potassium	mg/kg	8.00E+02	NA	NA										
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01										
Sodium	mg/kg	6.34E+02	NA	NA										
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SS06					HR-79Q-SS07				
				Parcel:	HR-79Q					HR-79Q				
				Sample Number:	PL0011					PL0012				
				Sample Date:	11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS														
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00										
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02										
PESTICIDES/PCBs														
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02										
SEMIVOLATILE ORGANIC COMPOUNDS														
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00										
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02										
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01										
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00										
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02										
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01										
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01										
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01										
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01										
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01										
Toluene	mg/kg	NA	1.55E+03	5.00E-02										
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03										
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01										
p-Cymene	mg/kg	NA	1.55E+03	NA										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS08					HR-79Q-SS09					HR-79Q-SS10				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0013					PL0017					PL0018				
				Sample Date:	11-Mar-02					11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.04E+03	J	YES	YES	YES	6.44E+02	J	YES	YES	YES	3.50E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS08					HR-79Q-SS09					HR-79Q-SS10				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0013					PL0017					PL0018				
				Sample Date:	11-Mar-02					11-Mar-02					11-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS11					HR-79Q-SS12					HR-79Q-SS13				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0019					PL0020					PL0023				
			Sample Date:		12-Mar-02					12-Mar-02					12-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01											1.10E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00											ND	ND			
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01											2.56E+00	J		YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02											4.45E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00											ND	ND			
Calcium	mg/kg	1.72E+03	NA	NA											1.79E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01											9.80E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01											1.50E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01											1.34E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02											1.12E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.43E+02	J	YES		YES	2.97E+02	J	YES		YES	1.07E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05											3.34E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02											2.03E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01											3.60E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01											2.76E+00				
Potassium	mg/kg	8.00E+02	NA	NA											4.49E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01											5.70E-01	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA											1.33E+02	B			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00											1.62E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01											2.26E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS11					HR-79Q-SS12					HR-79Q-SS13				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0019					PL0020					PL0023				
			Sample Date:		12-Mar-02					12-Mar-02					12-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS14					HR-79Q-SS15					HR-79Q-SS16				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0024					PL0025					PL0026				
				Sample Date:	12-Mar-02					12-Mar-02					12-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.75E+02	J	YES	YES	YES	3.85E+03	J	YES	YES	YES	1.83E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS14					HR-79Q-SS15					HR-79Q-SS16				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0024					PL0025					PL0026				
			Sample Date:		12-Mar-02					12-Mar-02					12-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS17					HR-79Q-SS18					HR-79Q-SS19				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0030					PL0031					PL0032				
				Sample Date:	13-Mar-02					13-Mar-02					13-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	9.23E+02		YES	YES	YES	2.48E+03		YES	YES	YES	1.49E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS17					HR-79Q-SS18					HR-79Q-SS19				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0030					PL0031					PL0032				
				Sample Date:	13-Mar-02					13-Mar-02					13-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS20					HR-79Q-SS21					HR-79Q-SS22				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0033					PL0036					PL0037				
				Sample Date:	13-Mar-02					14-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.01E+04		YES	YES	YES	4.53E+02		YES	YES	YES	4.50E+02		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS20					HR-79Q-SS21					HR-79Q-SS22				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0033					PL0036					PL0037				
			Sample Date:		13-Mar-02					14-Mar-02					14-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS23					HR-79Q-SS24					HR-79Q-SS25				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0038					PL0039					PL0042				
				Sample Date:	14-Mar-02					14-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.99E+02		YES	YES	YES	4.41E+02		YES	YES	YES	6.08E+02	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS23					HR-79Q-SS24					HR-79Q-SS25				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0038					PL0039					PL0042				
			Sample Date:		14-Mar-02					14-Mar-02					14-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS26					HR-79Q-SS27					HR-79Q-SS28				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0044					PL0045					PL0046				
				Sample Date:	14-Mar-02					14-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.79E+02	J	YES	YES	YES	6.19E+01	J	YES		YES	1.77E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS26					HR-79Q-SS27					HR-79Q-SS28				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0044					PL0045					PL0046				
			Sample Date:		14-Mar-02					14-Mar-02					14-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS29					HR-79Q-SS30					HR-79Q-SS31				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0049					PL0050					PL0051				
				Sample Date:	15-Mar-02					15-Mar-02					15-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.40E+02	J	YES	YES	YES	1.01E+02	J	YES		YES	8.51E+01	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS29					HR-79Q-SS30					HR-79Q-SS31				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0049					PL0050					PL0051				
			Sample Date:		15-Mar-02					15-Mar-02					15-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS32					HR-79Q-SS33					HR-79Q-SS34				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0052					PL0055					PL0056				
				Sample Date:	15-Mar-02					14-Mar-02					14-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.79E+02	J	YES		YES	1.14E+02	J	YES		YES	3.35E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS32					HR-79Q-SS33					HR-79Q-SS34				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0052					PL0055					PL0056				
			Sample Date:		15-Mar-02					14-Mar-02					14-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

			Sample Location:		HR-79Q-SS35					HR-79Q-SS36					HR-79Q-SS37				
			Parcel:		HR-79Q					HR-79Q					HR-79Q				
			Sample Number:		PL0058					PL0059					PL0062				
			Sample Date:		14-Mar-02					14-Mar-02					18-Mar-02				
			Sample Depth (Feet):		0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.04E+02	J	YES		YES	4.39E+01	J	YES			9.07E+01	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS35					HR-79Q-SS36					HR-79Q-SS37				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0058					PL0059					PL0062				
				Sample Date:	14-Mar-02					14-Mar-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS38					HR-79Q-SS39					HR-79Q-SS40				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0063					PL0064					PL0066				
				Sample Date:	18-Mar-02					18-Mar-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
4,4'-DDD	mg/kg	NA	2.54E+00	2.50E-03															
4,4'-DDE	mg/kg	NA	1.79E+00	2.50E-03															
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan I	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan II	mg/kg	NA	4.66E+01	1.19E-01															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
Endrin	mg/kg	NA	2.32E+00	1.00E-03															
Methoxychlor	mg/kg	NA	3.89E+01	1.99E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	5.00E-05															
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.48E+02	J	YES		YES	6.14E+01	J	YES		YES	1.11E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Madison County, Alabama

				Sample Location:	HR-79Q-SS38					HR-79Q-SS39					HR-79Q-SS40				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample Number:	PL0063					PL0064					PL0066				
				Sample Date:	18-Mar-02					18-Mar-02					18-Mar-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
PESTICIDES/PCBs																			
Aroclor 1260	mg/kg	NA	2.93E-01	2.00E-02															
SEMIVOLATILE ORGANIC COMPOUNDS																			
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	1.28E+00															
2,6-Dinitrotoluene	mg/kg	NA	9.27E-01	3.28E-02															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	2.00E+02															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	2.00E+01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Cis-1,2-Dichloroethene	mg/kg	NA	7.77E+01	1.00E-01															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Naphthalene	mg/kg	3.30E-02	1.55E+02	1.00E-01															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															
Trichloroethene	mg/kg	NA	5.72E+01	1.00E-03															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-DEP01					HR-84Q-DEP02					HR-84Q-DEP03				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0084					PM0085					PM0087				
				Sample Date:	14-May-02					14-May-02					13-May-02				
				Sample Depth (Feet):	0- .5					0- .5					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01	ND					ND					ND				
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND					1.30E+00	J			YES	ND				
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04	ND					ND					ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND					ND					ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	ND					ND					ND				
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND					ND					ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND					ND					ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.93E+03				YES	1.73E+04		YES	YES	YES	7.43E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.60E+00			YES		4.89E+00			YES		3.54E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	9.80E+02		YES	YES	YES	1.32E+02		YES			7.18E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.09E+00	J	YES			1.25E+00		YES		YES	6.73E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	3.50E+02					1.34E+03					1.75E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.14E+01				YES	1.65E+01				YES	1.21E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.63E+01	J	YES		YES	6.17E+00	J				5.02E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.24E+01		YES			9.96E+00					3.68E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.82E+04			YES	YES	2.27E+04			YES	YES	1.47E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.03E+02	J	YES		YES	2.82E+01	J				4.21E+02	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	4.20E+02					9.53E+02					1.01E+03				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.94E+03		YES	YES	YES	4.27E+02	J		YES	YES	5.83E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	2.86E-02	J				5.55E-02	J				3.78E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	8.60E+00					1.10E+01		YES			3.38E+00				
Potassium	mg/kg	8.00E+02	NA	NA	1.79E+03	J	YES			9.70E+02	J	YES			4.70E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.38E+01	J				5.38E+01	J				3.99E+01	J			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	1.35E+00	J		YES	YES	ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.36E+01				YES	2.69E+01				YES	1.58E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.93E+01					2.16E+01					2.00E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-DEP01					HR-84Q-DEP02					HR-84Q-DEP03				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0084					PM0085					PM0087				
				Sample Date:	14-May-02					14-May-02					13-May-02				
				Sample Depth (Feet):	0- .5					0- .5					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND					ND					ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND					ND					ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND					ND					ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND					ND					ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND					ND					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND					ND					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND					ND					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND					ND					ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND					ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND					ND					ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND					ND					ND				
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03	ND					ND					8.10E-02	J			YES
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND					ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND					ND					ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	ND					ND					ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00	4.80E-02	J				4.40E-02	J				1.30E-01	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					ND					ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-DEP04					HR-84Q-DEP05					HR-84Q-GP01				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0088					PM0089					PM0034				
				Sample Date:	13-May-02					13-May-02					10-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01	ND														
MCPP	mg/kg	NA	7.77E+00	1.00E-01	ND														
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04	ND														
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02	ND														
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03	4.20E-04	J													
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.32E+03				YES										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND														
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	2.24E+00			YES											
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.20E+02	J													
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	7.91E-01	J													
Calcium	mg/kg	1.72E+03	NA	NA	7.33E+01	J													
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.08E+01				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	9.41E+00	J													
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.36E+01		YES												
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.33E+04			YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.45E+01	J				1.66E+01					6.31E+01		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	3.08E+02														
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	6.27E+02			YES	YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND														
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	5.84E+00														
Potassium	mg/kg	8.00E+02	NA	NA	1.56E+03		YES												
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND														
Sodium	mg/kg	6.34E+02	NA	NA	ND														
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND														
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.30E+01				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.24E+01	J													

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-DEP04					HR-84Q-DEP05					HR-84Q-GP01				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0088					PM0089					PM0034				
				Sample Date:	13-May-02					13-May-02					10-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02	ND														
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01	ND														
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00	ND														
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01	ND														
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01	ND														
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02	ND														
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02	ND														
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00	ND														
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01	ND														
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01	ND														
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02	ND														
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03	ND														
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01	ND														
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01	ND														
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	ND														
Acetone	mg/kg	NA	7.76E+02	2.50E+00	4.60E-02	J													
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP02					HR-84Q-GP03					HR-84Q-GP04				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0035					PM0037					PM0038				
				Sample Date:	10-May-02					10-May-02					10-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	6.83E+01		YES		YES	5.13E+01		YES		YES	4.40E+01		YES		
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP02					HR-84Q-GP03					HR-84Q-GP04				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0035					PM0037					PM0038				
				Sample Date:	10-May-02					10-May-02					10-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP05					HR-84Q-GP06					HR-84Q-GP07				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0039					PM0040					PM0041				
				Sample Date:	22-May-02					22-May-02					8-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01						ND									
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND									
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						5.10E-04	J			YES					
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND									
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND									
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						8.07E+03			YES	YES	9.68E+03			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						5.10E+00	J	YES	YES	YES	5.62E+00	B	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						3.88E+00			YES		2.20E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						1.23E+02					8.55E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						ND					9.99E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA						3.35E+02					1.16E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						2.37E+01			YES	YES	8.81E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						2.26E+00	J				8.11E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.31E+02		YES		YES	4.15E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.06E+04			YES	YES	9.15E+03			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.91E+01		YES			1.61E+03		YES	YES	YES	8.15E+02		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						2.09E+02					6.22E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.85E+02				YES	3.94E+02	J		YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						4.01E-02	J				5.87E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						1.62E+01		YES			9.28E+00				
Potassium	mg/kg	8.00E+02	NA	NA						2.70E+02	J				4.17E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA						ND					4.40E+01	J			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						1.78E+01				YES	9.62E+00				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						3.18E+01	J				2.96E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP05					HR-84Q-GP06					HR-84Q-GP07				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0039					PM0040					PM0041				
				Sample Date:	22-May-02					22-May-02					8-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						8.30E-01									
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						5.20E-01	J			YES					
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						3.20E+00		YES	YES						
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						2.50E+00		YES	YES	YES					
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						5.30E+00		YES	YES						
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						1.20E+00		YES							
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						1.90E+00		YES							
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						3.40E+00		YES							
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						3.70E-01	J		YES						
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						5.80E+00		YES		YES					
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						1.30E+00		YES	YES						
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03						ND									
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01						7.60E-01				YES					
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						5.00E+00		YES		YES					
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00						7.00E-02	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP08					HR-84Q-GP09					HR-84Q-GP10				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0043					PM0045					PM0046				
				Sample Date:	8-Apr-02					22-May-02					10-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01						ND									
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND									
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						ND									
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						4.30E-02	J			YES					
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND									
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						1.20E-02	J								
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						5.30E-03	J			YES					
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						6.63E+03				YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						1.78E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						6.57E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						5.91E-01	J								
Calcium	mg/kg	1.72E+03	NA	NA						3.69E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						5.85E+00				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						3.43E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						2.29E+01		YES							
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						6.89E+03			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.52E+01		YES		YES	1.63E+02		YES		YES	2.85E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						2.82E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.13E+02				YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						ND									
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						2.37E+00									
Potassium	mg/kg	8.00E+02	NA	NA						3.92E+02	J								
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND									
Sodium	mg/kg	6.34E+02	NA	NA						ND									
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND									
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						8.56E+00				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.33E+01	J								

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP08					HR-84Q-GP09					HR-84Q-GP10				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0043					PM0045					PM0046				
				Sample Date:	8-Apr-02					22-May-02					10-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND									
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND									
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						1.20E-01	J								
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						1.00E-01	J		YES	YES					
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						1.70E-01	J								
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						6.10E-02	J								
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						5.80E-02	J								
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						1.30E-01	J								
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND									
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						2.20E-01	J			YES					
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						6.20E-02	J								
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03						ND									
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01						ND									
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						1.70E-01	J			YES					
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00						1.40E-01	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP11					HR-84Q-GP12					HR-84Q-GP13				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0047					PM0048					PM0049				
				Sample Date:	10-May-02					22-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.12E+01					2.97E+01	J				1.47E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP11					HR-84Q-GP12					HR-84Q-GP13				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0047					PM0048					PM0049				
				Sample Date:	10-May-02					22-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP14					HR-84Q-GP15					HR-84Q-GP16				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0050					PM0052					PM0055				
				Sample Date:	9-Apr-02					9-Apr-02					21-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01						ND									
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND									
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						ND									
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND									
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND									
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.39E+04			YES	YES	1.11E+04			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	5.48E+00	B	YES	YES	YES	5.60E+00	J	YES	YES	YES					
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	8.43E+00			YES		3.91E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	8.36E+01	J				7.63E+01	J								
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.86E-01	J				1.14E+00	J	YES		YES					
Calcium	mg/kg	1.72E+03	NA	NA	1.70E+02					2.46E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.52E+01			YES	YES	1.31E+01				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.11E+00					7.60E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.88E+01		YES			7.06E+01		YES		YES					
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	4.58E+04		YES	YES	YES	3.27E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	6.83E+01		YES		YES	5.57E+02		YES	YES	YES	1.01E+04		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	4.57E+02					3.93E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.58E+02	J			YES	4.69E+02	J		YES	YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.86E-02	J				6.64E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.79E+00					6.25E+00									
Potassium	mg/kg	8.00E+02	NA	NA	1.34E+03		YES			8.94E+02		YES							
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	1.56E+00		YES		YES	9.67E-01	J	YES		YES					
Sodium	mg/kg	6.34E+02	NA	NA	5.20E+01	J				5.39E+01	J								
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	1.11E+00	B		YES	YES	7.35E-01	B		YES						
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	4.56E+01				YES	2.31E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.59E+01					5.03E+01		YES		YES					

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP14					HR-84Q-GP15					HR-84Q-GP16				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0050					PM0052					PM0055				
				Sample Date:	9-Apr-02					9-Apr-02					21-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND									
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND									
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						ND									
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						ND									
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND									
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						ND									
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						ND									
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						ND									
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND									
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						ND									
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						ND									
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03						ND									
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01						ND									
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						ND									
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						1.90E-02	J								
Acetone	mg/kg	NA	7.76E+02	2.50E+00						3.10E-01	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						1.60E-03	B								

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP17					HR-84Q-GP18					HR-84Q-GP19				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0056					PM0057					PM0058				
				Sample Date:	21-May-02					21-May-02					21-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						7.29E+03				YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						2.05E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						7.36E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						4.69E-01	J								
Calcium	mg/kg	1.72E+03	NA	NA						1.85E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						7.80E+00				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						5.92E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						3.45E+01		YES							
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.08E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.64E+02		YES	YES	YES	2.39E+02		YES		YES	1.22E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						2.96E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.92E+02				YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						ND									
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						2.12E+00	J								
Potassium	mg/kg	8.00E+02	NA	NA						3.72E+02	J								
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND									
Sodium	mg/kg	6.34E+02	NA	NA						ND									
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND									
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						1.55E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.74E+01	J								

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP17					HR-84Q-GP18					HR-84Q-GP19				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0056					PM0057					PM0058				
				Sample Date:	21-May-02					21-May-02					21-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP20					HR-84Q-GP21					HR-84Q-GP22				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0059					PM0060					PM0061				
				Sample Date:	22-May-02					21-May-02					21-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.26E+01		YES			2.70E+01					1.30E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP20					HR-84Q-GP21					HR-84Q-GP22				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0059					PM0060					PM0061				
				Sample Date:	22-May-02					21-May-02					21-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP23					HR-84Q-GP24					HR-84Q-GP25				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0062					PM0063					PM0064				
				Sample Date:	21-May-02					22-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.66E+01					1.95E+01	J				2.48E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP23					HR-84Q-GP24					HR-84Q-GP25				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0062					PM0063					PM0064				
				Sample Date:	21-May-02					22-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP26					HR-84Q-GP27					HR-84Q-GP28				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0065					PM0066					PM0067				
				Sample Date:	22-May-02					22-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.54E+01	J				2.00E+01	J				1.32E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP26					HR-84Q-GP27					HR-84Q-GP28				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0065					PM0066					PM0067				
				Sample Date:	22-May-02					22-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP29					HR-84Q-GP30				
				Parcel:	HR-84Q					HR-84Q				
				Sample Number:	PM0069					PM0070				
				Sample Date:	10-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01										
MCPP	mg/kg	NA	7.77E+00	1.00E-01										
PESTICIDES														
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04										
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02										
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03										
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01										
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						5.98E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						1.53E+01		YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						2.12E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						5.66E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						5.43E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA						1.99E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						3.44E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						3.29E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.85E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						4.41E+03			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.27E+02		YES	YES	YES	3.34E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						2.54E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						1.23E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						3.53E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						3.35E+00				
Potassium	mg/kg	8.00E+02	NA	NA						2.58E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND				
Sodium	mg/kg	6.34E+02	NA	NA						ND				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						5.89E+00				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.51E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP29					HR-84Q-GP30				
				Parcel:	HR-84Q					HR-84Q				
				Sample Number:	PM0069					PM0070				
				Sample Date:	10-May-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS														
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02										
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01										
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00										
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01										
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01										
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02										
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02										
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00										
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01										
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01										
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02										
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03										
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01										
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01										
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01										
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP31					HR-84Q-GP32					HR-84Q-GP33				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0071					PM0072					PM0074				
				Sample Date:	22-May-02					8-Apr-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.05E+02		YES		YES	1.52E+01					2.09E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-GP31					HR-84Q-GP32					HR-84Q-GP33				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0071					PM0072					PM0074				
				Sample Date:	22-May-02					8-Apr-02					22-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-MW01					HR-84Q-MW02					HR-84Q-MW03				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0075					PM0077					PM0079				
				Sample Date:	8-Apr-02					9-Apr-02					8-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01						5.40E-03	J								
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND									
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						ND									
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND									
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						1.30E-03	J								
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						9.18E+03			YES	YES	7.70E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						2.49E+00			YES		2.26E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						7.08E+01	J				6.31E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						4.35E-01	J				4.96E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA						3.92E+02					2.12E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						8.72E+00				YES	6.55E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						3.14E+00					5.15E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						6.89E+00					5.45E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.03E+04			YES	YES	1.17E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.90E+01		YES		YES	2.50E+01					9.29E+00				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						4.10E+02					3.76E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.14E+02	J			YES	1.58E+02	J			YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						3.37E-02	J				5.88E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						2.80E+00					5.61E+00				
Potassium	mg/kg	8.00E+02	NA	NA						5.95E+02					1.13E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA						4.42E+01	J				4.07E+01	J			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						1.52E+01				YES	9.65E+00				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.58E+01					1.90E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-MW01					HR-84Q-MW02					HR-84Q-MW03				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0075					PM0077					PM0079				
				Sample Date:	8-Apr-02					9-Apr-02					8-Apr-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND									
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND									
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						ND									
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						ND									
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND									
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						ND									
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						ND									
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						ND									
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND									
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						ND									
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						ND									
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03						ND									
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01						ND									
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						ND									
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00						4.40E-02	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-MW04					HR-84Q-SB01					HR-84Q-SB02				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0082					PM0001					PM0007				
				Sample Date:	8-Apr-02					6-Jun-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01											ND				
MCPP	mg/kg	NA	7.77E+00	1.00E-01											ND				
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04											ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02											ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03											ND				
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						8.22E+03			YES	YES	1.07E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						5.48E+00	J	YES	YES	YES	ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						3.43E+00			YES		5.37E+00	J		YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						2.20E+01					5.30E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						ND					4.75E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA						1.83E+02					2.69E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						8.89E+00				YES	1.15E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						2.23E+00					6.48E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						1.06E+01					3.62E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.02E+04			YES	YES	1.83E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.53E+00					1.13E+02	J	YES		YES	8.11E+02		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						1.75E+02					2.79E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						3.00E+02				YES	7.68E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						5.86E-02	J				5.13E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						2.27E+00	B				3.96E+00				
Potassium	mg/kg	8.00E+02	NA	NA						2.42E+02	J				4.31E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA						ND					4.40E+01	J			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						1.91E+01				YES	2.60E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						9.48E+00	J				1.61E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-MW04					HR-84Q-SB01					HR-84Q-SB02				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0082					PM0001					PM0007				
				Sample Date:	8-Apr-02					6-Jun-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02											ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01											ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00											1.70E-01	J			
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01											1.50E-01	J		YES	YES
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01											4.90E-01				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02											1.30E-01	J			
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02											1.80E-01	J			
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00											3.00E-01	J			
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01											ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01											3.30E-01	J			YES
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02											1.40E-01	J			
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03											ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01											ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01											2.80E-01	J			YES
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00											1.60E-01	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SB03					HR-84Q-SB04					HR-84Q-SB05				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0014					PM0021					PM0027				
				Sample Date:	23-May-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01						ND					ND				
MCPP	mg/kg	NA	7.77E+00	1.00E-01						ND					ND				
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04						ND					ND				
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02						ND					ND				
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03						ND					ND				
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01						ND					ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND					ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	6.03E+03				YES	1.99E+03				YES	6.38E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.15E+00	J		YES		1.02E+00	B		YES		2.57E+00	J		YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.05E+01					1.05E+01					2.32E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND					ND					ND				
Calcium	mg/kg	1.72E+03	NA	NA	1.81E+02					2.34E+01	J				1.21E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	8.52E+00				YES	6.11E+00				YES	6.74E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.80E+00					ND					2.58E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.83E+01		YES			2.17E+01		YES			8.23E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.24E+04			YES	YES	4.00E+03			YES	YES	8.84E+03			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.58E+02		YES	YES	YES	8.16E+01		YES		YES	9.69E+01		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.54E+02					5.96E+01	J				1.34E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.06E+02			YES	YES	1.25E+01					3.11E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	4.25E-02	J				ND					4.29E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.13E+00	J				ND					2.00E+00	J			
Potassium	mg/kg	8.00E+02	NA	NA	2.93E+02	J				2.31E+02	J				1.83E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	ND					ND					ND				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.94E+01				YES	8.07E+00				YES	1.70E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.15E+01					4.42E+00					6.62E+00				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SB03					HR-84Q-SB04					HR-84Q-SB05				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0014					PM0021					PM0027				
				Sample Date:	23-May-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02						ND					ND				
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01						ND					ND				
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00						ND					ND				
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01						ND					ND				
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01						ND					ND				
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02						ND					ND				
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02						ND					ND				
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00						5.50E-02	J				ND				
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01						ND					ND				
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01						1.10E-01	J			YES	ND				
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02						ND					ND				
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03						ND					ND				
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01						ND					ND				
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01						9.10E-02	J				ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						ND					ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00						ND					1.90E-01	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND					ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS01					HR-84Q-SS02					HR-84Q-SS03				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0003					PM0004					PM0005				
				Sample Date:	6-Jun-02					7-Jun-02					7-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.78E+02	J	YES		YES	8.69E+02	J	YES	YES	YES	9.37E+02	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS01					HR-84Q-SS02					HR-84Q-SS03				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0003					PM0004					PM0005				
				Sample Date:	6-Jun-02					7-Jun-02					7-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS04					HR-84Q-SS05					HR-84Q-SS06				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0006					PM0010					PM0011				
				Sample Date:	6-Jun-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.14E+03	J	YES	YES	YES	2.35E+02	J	YES		YES	1.20E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS04					HR-84Q-SS05					HR-84Q-SS06				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0006					PM0010					PM0011				
				Sample Date:	6-Jun-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS07					HR-84Q-SS08					HR-84Q-SS09				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0012					PM0013					PM0017				
				Sample Date:	23-May-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.26E+02	J	YES		YES	2.57E+02	J	YES		YES	1.06E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS07					HR-84Q-SS08					HR-84Q-SS09				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0012					PM0013					PM0017				
				Sample Date:	23-May-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS10					HR-84Q-SS11					HR-84Q-SS12				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0018					PM0019					PM0020				
				Sample Date:	23-May-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.25E+02	J	YES		YES	2.17E+02	J	YES		YES	3.64E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS10					HR-84Q-SS11					HR-84Q-SS12				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0018					PM0019					PM0020				
				Sample Date:	23-May-02					23-May-02					23-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS13					HR-84Q-SS14					HR-84Q-SS15				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0023					PM0024					PM0025				
				Sample Date:	24-May-02					24-May-02					24-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.38E+01	J				5.48E+01	J	YES		YES	6.81E+01	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01															
Sodium	mg/kg	6.34E+02	NA	NA															
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS13					HR-84Q-SS14					HR-84Q-SS15				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0023					PM0024					PM0025				
				Sample Date:	24-May-02					24-May-02					24-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS16					HR-84Q-SS17					HR-84Q-SS18				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0026					PM0029					PM0030				
				Sample Date:	24-May-02					24-May-02					24-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01															
MCPP	mg/kg	NA	7.77E+00	1.00E-01															
PESTICIDES																			
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04															
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02															
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03															
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01						9.74E+03			YES	YES					
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00						ND									
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01						4.11E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02						2.88E+01									
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00						ND									
Calcium	mg/kg	1.72E+03	NA	NA						1.40E+02									
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01						1.32E+01				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01						1.65E+00	J								
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01						5.01E+01		YES		YES					
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02						1.29E+04			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.33E+03	J	YES	YES	YES	4.41E+02	J	YES	YES	YES	9.84E+02	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05						1.95E+02									
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02						2.90E+02				YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01						3.25E-02	J								
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01						4.40E+00									
Potassium	mg/kg	8.00E+02	NA	NA						2.20E+02	B								
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01						ND									
Sodium	mg/kg	6.34E+02	NA	NA						ND									
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00						ND									
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00						2.19E+01				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01						1.74E+01									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS16					HR-84Q-SS17					HR-84Q-SS18				
				Parcel:	HR-84Q					HR-84Q					HR-84Q				
				Sample Number:	PM0026					PM0029					PM0030				
				Sample Date:	24-May-02					24-May-02					24-May-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS																			
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02															
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01															
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00															
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01															
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01															
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02															
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02															
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00															
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01															
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01															
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02															
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03															
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01															
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS19					HR-84Q-SS20				
				Parcel:	HR-84Q					HR-84Q				
				Sample Number:	PM0032					PM0033				
				Sample Date:	24-May-02					24-May-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
2,2-Dichloropropanoic Acid	mg/kg	NA	2.33E+02	1.00E-01										
MCPP	mg/kg	NA	7.77E+00	1.00E-01										
PESTICIDES														
Dieldrin	mg/kg	NA	3.88E-02	5.00E-04										
Endosulfan sulfate	mg/kg	NA	4.66E+01	3.58E-02										
alpha-BHC	mg/kg	NA	1.00E-01	2.50E-03										
alpha-Chlordane	mg/kg	NA	1.69E+00	1.00E-01										
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01										
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00										
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01										
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02										
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00										
Calcium	mg/kg	1.72E+03	NA	NA										
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01										
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01										
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	6.80E+02	J	YES	YES	YES	4.89E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05										
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01										
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01										
Potassium	mg/kg	8.00E+02	NA	NA										
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01										
Sodium	mg/kg	6.34E+02	NA	NA										
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00										
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-84Q-SS19					HR-84Q-SS20				
				Parcel:	HR-84Q					HR-84Q				
				Sample Number:	PM0032					PM0033				
				Sample Date:	24-May-02					24-May-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
SEMIVOLATILE ORGANIC COMPOUNDS														
Acenaphthylene	mg/kg	8.91E-01	4.63E+02	6.82E+02										
Anthracene	mg/kg	9.35E-01	2.33E+03	1.00E-01										
Benzo(a)anthracene	mg/kg	1.19E+00	8.51E-01	5.21E+00										
Benzo(a)pyrene	mg/kg	1.42E+00	8.51E-02	1.00E-01										
Benzo(b)fluoranthene	mg/kg	1.66E+00	8.51E-01	5.98E+01										
Benzo(ghi)perylene	mg/kg	9.55E-01	2.32E+02	1.19E+02										
Benzo(k)fluoranthene	mg/kg	1.45E+00	8.51E+00	1.48E+02										
Chrysene	mg/kg	1.40E+00	8.61E+01	4.73E+00										
Dibenz(a,h)anthracene	mg/kg	7.20E-01	8.61E-02	1.84E+01										
Fluoranthene	mg/kg	2.03E+00	3.09E+02	1.00E-01										
Indeno(1,2,3-cd)pyrene	mg/kg	9.37E-01	8.51E-01	1.09E+02										
Pentachlorophenol	mg/kg	NA	5.25E+00	2.00E-03										
Phenanthrene	mg/kg	1.08E+00	2.32E+03	1.00E-01										
Pyrene	mg/kg	1.63E+00	2.33E+02	1.00E-01										
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01										
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-DEP01					HR-83Q-DEP02					HR-83Q-DEP03				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0091					NN0092					NN0093				
				Sample Date:	9-Nov-01					8-Nov-01					8-Nov-01				
				Sample Depth (Feet):	0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND														
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	ND														
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02	ND														
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	5.52E+03				YES	1.56E+04			YES	YES	1.25E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.15E+00			YES		1.11E+01			YES	YES	1.21E+01			YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	5.38E+01	J				6.29E+01	J				1.86E+02	J	YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.07E+00		YES			7.23E-01	J				1.47E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	2.46E+03	J	YES			7.08E+02	J				1.11E+03	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.34E+01	J		YES	YES	2.23E+01	J			YES	1.86E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.46E+00					9.35E+00					2.14E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.68E+01		YES			2.10E+01		YES			9.27E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.74E+04	J		YES	YES	3.20E+04	J		YES	YES	3.62E+04	J	YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.41E+01	J				7.19E+01		YES		YES	3.22E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.54E+03	J	YES			6.05E+02	J				7.10E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.65E+02				YES	1.10E+03			YES	YES	2.56E+03		YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	8.66E+00	J				1.14E+01		YES			1.50E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	9.34E+02		YES			6.10E+02					6.53E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	7.42E-01	J	YES			ND					ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					3.19E+00		YES		YES	2.97E+00		YES		YES
Sodium	mg/kg	6.34E+02	NA	NA	2.74E+01	J				2.45E+01	J				3.29E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.71E+01				YES	3.23E+01				YES	4.13E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	4.23E+01		YES			3.01E+01	J				2.76E+01	J			
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01	ND														
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01	ND														
Famphur	mg/kg	NA	1.94E-01	1.00E-01	ND														
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01	ND														
Parathion	mg/kg	NA	4.66E+01	1.00E-01	ND														
Thionazin	mg/kg	NA	6.99E-01	1.00E-01	ND														
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.20E-02	J													
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01	ND														
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND														
Acetone	mg/kg	NA	7.76E+02	2.50E+00	ND														
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND														
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	2.30E-03	J													

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-DEP04					HR-83Q-DEP05					HR-83Q-GP01				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0094					NN0095					NN0001				
				Sample Date:	8-Nov-01					8-Nov-01					9-Nov-01				
				Sample Depth (Feet):	0- .5					0- .5					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											5.70E-03				YES
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											2.50E-03				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	6.97E+03				YES	1.88E+04		YES	YES	YES	1.39E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					6.33E+00	J	YES	YES	YES	ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	8.77E+00			YES		2.30E+01		YES	YES	YES	5.28E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	8.88E+01	J				3.01E+02	J	YES		YES	8.23E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.15E+00		YES		YES	1.84E+00		YES		YES	7.54E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	1.77E+03	J	YES			2.01E+03	J	YES			3.63E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.51E+01	J			YES	2.65E+01	J		YES	YES	1.46E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.27E+01					2.70E+01		YES		YES	5.67E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.08E+01					1.96E+01		YES			1.56E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	4.32E+04	J	YES	YES	YES	5.63E+04	J	YES	YES	YES	1.99E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.62E+01					3.71E+01					1.73E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.02E+03	J				1.08E+03	J	YES			8.10E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.04E+03			YES	YES	1.91E+03		YES	YES	YES	7.05E+01				
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.29E+01		YES			2.18E+01		YES			7.52E+00	J			
Potassium	mg/kg	8.00E+02	NA	NA	1.29E+03		YES			1.35E+03		YES			1.52E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					9.11E-01	J	YES		YES	9.62E-01	J	YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	3.91E+00		YES		YES	4.72E+00		YES		YES	ND				
Sodium	mg/kg	6.34E+02	NA	NA	3.50E+01	J				3.62E+01	J				4.51E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.14E+01				YES	5.78E+01			YES	YES	2.23E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.48E+01	J				6.80E+01	J	YES		YES	2.45E+01				
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01											ND				
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01											ND				
Famphur	mg/kg	NA	1.94E-01	1.00E-01											ND				
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01											ND				
Parathion	mg/kg	NA	4.66E+01	1.00E-01											ND				
Thionazin	mg/kg	NA	6.99E-01	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											1.10E-02	J			
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01											ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02											ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00											2.30E-01	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											9.90E-04	B			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP02					HR-83Q-GP03					HR-83Q-GP04				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0003					NN0006					NN0008				
				Sample Date:	22-Oct-01					22-Oct-01					9-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.85E+04		YES	YES	YES	1.36E+04			YES	YES	9.91E+03			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	7.53E+00			YES		5.52E+00			YES		8.46E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.27E+02		YES			1.00E+02					2.16E+02	J	YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.05E+00	J	YES			6.49E-01	J				8.96E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	1.69E+03					7.26E+02					2.51E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.23E+01				YES	1.27E+01				YES	1.21E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	8.15E+00					4.35E+00					1.96E+01		YES		
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.44E+01		YES			9.62E+00					1.73E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.42E+04			YES	YES	1.59E+04			YES	YES	3.14E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.94E+01					2.15E+01					5.18E+01	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.08E+03		YES			7.49E+02					4.20E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	5.71E+02	J		YES	YES	4.45E+02	J		YES	YES	1.02E+03			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.19E+01		YES			6.46E+00					5.09E+00	J			
Potassium	mg/kg	8.00E+02	NA	NA	2.28E+03		YES			8.29E+02		YES			8.06E+02		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	8.74E-01	J	YES		YES	ND					1.22E+00	J	YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	5.33E+01	J				3.74E+01	J				ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.25E+01				YES	2.39E+01				YES	2.41E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	4.38E+01	J	YES			2.54E+01	J				3.05E+01				
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01											ND				
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01											ND				
Famphur	mg/kg	NA	1.94E-01	1.00E-01											ND				
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01											ND				
Parathion	mg/kg	NA	4.66E+01	1.00E-01											ND				
Thionazin	mg/kg	NA	6.99E-01	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											3.20E-02				
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01											3.60E-03	J			
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02											2.30E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00											2.50E-01				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP05					HR-83Q-GP06					HR-83Q-GP07				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0010					NN0012					NN0014				
				Sample Date:	9-Nov-01					23-Oct-01					23-Oct-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	2.80E-03	J			YES										
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	ND														
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02	1.00E-03	J													
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND														
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	4.60E-04	J													
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.46E+04			YES	YES	2.35E+04		YES	YES	YES	2.06E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.56E+01		YES	YES	YES	4.70E+00			YES		1.13E+01			YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	2.33E+02	J	YES		YES	1.71E+02		YES		YES	4.57E+02		YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	7.25E-01	J				7.56E-01	J				1.39E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	5.83E+02	J				4.22E+02					6.43E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.58E+01	J			YES	2.27E+01				YES	2.12E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.87E+01		YES		YES	5.16E+00					2.70E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.32E+01		YES			1.66E+01		YES			1.57E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	3.35E+04	J		YES	YES	3.09E+04			YES	YES	3.75E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.34E+01	J				1.46E+01					2.42E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.62E+02	J				1.09E+03		YES			9.63E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.77E+03		YES	YES	YES	5.78E+02	J		YES	YES	3.94E+03	J	YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					4.80E-02	J				3.32E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.10E+01	J	YES			1.40E+01		YES			1.77E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	8.98E+02		YES			2.37E+03		YES			1.16E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	9.51E-01	J	YES		YES	ND					ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					1.32E+00	J	YES			1.59E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA	ND					4.63E+01	J				4.30E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.81E+01				YES	3.20E+01				YES	3.72E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.76E+01					4.24E+01	J	YES			5.55E+01	J	YES		YES
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01	2.20E-03	J													
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01	4.30E-03	J													
Famphur	mg/kg	NA	1.94E-01	1.00E-01	3.60E-03	J													
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01	5.20E-03	J													
Parathion	mg/kg	NA	4.66E+01	1.00E-01	3.30E-03	J													
Thionazin	mg/kg	NA	6.99E-01	1.00E-01	4.60E-03	J													
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	6.20E-03	J													
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01	ND														
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND														
Acetone	mg/kg	NA	7.76E+02	2.50E+00	1.10E-01	J													
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND														
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP08					HR-83Q-GP09					HR-83Q-GP10				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0016					NN0019					NN0021				
				Sample Date:	9-Nov-01					9-Nov-01					24-Oct-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											8.70E-04	J			
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.08E+04			YES	YES	1.17E+04			YES	YES	1.59E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.02E+00			YES		4.34E+00			YES		1.57E+01		YES	YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	7.29E+01	J				1.48E+02	J	YES			2.67E+02		YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.74E-01	J				1.35E+00		YES		YES	1.82E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	3.34E+03	J	YES			5.63E+02	J				8.52E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	8.24E+00	J			YES	1.49E+01	J			YES	2.09E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	3.75E+00					1.33E+01					5.41E+01	J	YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	7.09E+00					1.62E+01		YES			1.63E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	8.22E+03	J		YES	YES	2.01E+04	J		YES	YES	4.16E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	7.13E+00	J				1.50E+01	J				1.42E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.56E+03	J	YES			7.05E+02	J				7.66E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.69E+02				YES	8.39E+02			YES	YES	4.80E+03		YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.41E+00	J				9.24E+00	J				1.64E+01	J	YES		
Potassium	mg/kg	8.00E+02	NA	NA	7.02E+02					1.42E+03		YES			8.14E+02		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					9.61E-01	J	YES		YES	ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					1.58E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA	ND					ND					4.36E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.37E+01				YES	1.89E+01				YES	4.25E+01	J			YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.67E+01					3.03E+01					3.20E+01				
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01											ND				
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01											ND				
Famphur	mg/kg	NA	1.94E-01	1.00E-01											ND				
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01											ND				
Parathion	mg/kg	NA	4.66E+01	1.00E-01											ND				
Thionazin	mg/kg	NA	6.99E-01	1.00E-01											ND				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											3.70E-02				
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01											ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02											ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00											2.00E-01	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											1.50E-03	B			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP11					HR-83Q-GP12					HR-83Q-GP13				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0023					NN0025					NN0027				
				Sample Date:	24-Oct-01					24-Oct-01					7-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.57E+04			YES	YES	2.74E+04		YES	YES	YES	2.76E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.40E+00			YES		1.43E+01		YES	YES	YES	1.04E+01	J		YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	7.99E+01					8.34E+01					1.91E+02	J	YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.14E-01	J				9.18E-01	J	YES			1.65E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	6.49E+02					6.46E+02					2.02E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.05E+01	J			YES	3.20E+01	J		YES	YES	3.13E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.10E+00	J				9.65E+00	J				1.24E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	9.40E+00					2.14E+01		YES			1.53E+01	J	YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.69E+04			YES	YES	4.70E+04		YES	YES	YES	3.49E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.62E+01	J				1.15E+01	J				1.74E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	8.57E+02					1.57E+03		YES			1.60E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.57E+02			YES	YES	2.82E+02				YES	6.66E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					3.40E-02	J				4.89E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	9.38E+00	J				2.35E+01	J	YES			2.09E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	6.99E+02					1.49E+03		YES			1.93E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					2.23E+00	J	YES		YES	ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.76E+01	J				5.70E+01	J				6.49E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.01E+01	J			YES	4.53E+01	J			YES	4.50E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.04E+01					6.30E+01		YES		YES	4.96E+01		YES		
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01															
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01															
Famphur	mg/kg	NA	1.94E-01	1.00E-01															
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01															
Parathion	mg/kg	NA	4.66E+01	1.00E-01															
Thionazin	mg/kg	NA	6.99E-01	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP14					HR-83Q-GP15					HR-83Q-GP16				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0029					NN0031					NN0033				
				Sample Date:	7-Nov-01					7-Nov-01					7-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.49E+04			YES	YES	1.69E+04		YES	YES	YES	2.70E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	4.89E+00	J	YES	YES	YES	2.07E+01	J	YES	YES	YES	ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.72E+01	J	YES	YES	YES	1.05E+01	J		YES	YES	1.83E+01	J	YES	YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	2.54E+02	J	YES		YES	1.55E+02	J	YES			2.08E+02	J	YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	2.24E+00		YES		YES	1.48E+00		YES		YES	1.32E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	8.46E+02					1.24E+03					1.04E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	3.32E+01			YES	YES	2.30E+01				YES	3.28E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	3.04E+01		YES		YES	9.51E+00					2.37E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.64E+01	J	YES			1.06E+01	J				4.16E+01	J	YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	6.30E+04		YES	YES	YES	3.51E+04		YES	YES	YES	4.57E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.23E+01	J				2.08E+01	J				1.48E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.61E+02					1.03E+03					1.55E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.70E+03		YES	YES	YES	9.27E+02			YES	YES	1.50E+03			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					2.90E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.81E+01		YES			1.33E+01		YES			1.93E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	8.90E+02		YES			1.34E+03		YES			1.46E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	8.44E-01	J	YES		YES	5.74E-01	J	YES			ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	5.56E+01	J				5.72E+01	J				5.40E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	6.90E+01		YES	YES	YES	4.18E+01				YES	6.92E+01		YES	YES	YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.55E+01					3.40E+01					6.42E+01		YES		YES
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01															
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01															
Famphur	mg/kg	NA	1.94E-01	1.00E-01															
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01															
Parathion	mg/kg	NA	4.66E+01	1.00E-01															
Thionazin	mg/kg	NA	6.99E-01	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP17					HR-83Q-GP18					HR-83Q-GP19				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0035					NN0037					NN0040				
				Sample Date:	7-Nov-01					9-Nov-01					7-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03						ND									
Aldrin	mg/kg	NA	3.65E-02	2.50E-03						7.40E-04	J								
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02						ND									
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01						ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03						ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	2.10E+04		YES	YES	YES	3.25E+04		YES	YES	YES	1.88E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	2.46E+01	J	YES	YES	YES	3.69E+01	J	YES	YES	YES	1.04E+01	J		YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.41E+02	J	YES		YES	2.44E+02	J	YES		YES	5.79E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.86E+00		YES		YES	2.01E+00	J	YES		YES	4.70E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	8.42E+02					1.38E+03	J				4.20E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	4.69E+01		YES	YES	YES	1.01E+02	J	YES	YES	YES	4.19E+01		YES	YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	3.32E+01		YES		YES	2.50E+01	J	YES		YES	4.77E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.01E+01	J				2.52E+01		YES			1.23E+01	J			
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	5.37E+04		YES	YES	YES	7.21E+04	J	YES	YES	YES	2.62E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.93E+01	J	YES			5.14E+01	J	YES		YES	1.42E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.19E+03		YES			1.28E+03	J	YES			9.93E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.74E+03		YES	YES	YES	2.54E+03	J	YES	YES	YES	1.60E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					3.08E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.90E+01		YES			2.17E+01	J	YES			1.07E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	5.25E+02	J				9.47E+02		YES			5.80E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	1.35E+00		YES		YES	2.27E+00	J	YES		YES	ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.91E+01	J				5.73E+01	J				4.24E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	7.74E+01		YES	YES	YES	1.31E+02	J	YES	YES	YES	4.84E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	4.03E+01					5.86E+01		YES		YES	3.80E+01				
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01						ND									
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01						ND									
Famphur	mg/kg	NA	1.94E-01	1.00E-01						ND									
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01						ND									
Parathion	mg/kg	NA	4.66E+01	1.00E-01						ND									
Thionazin	mg/kg	NA	6.99E-01	1.00E-01						ND									
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						2.00E-02									
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01						ND									
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02						ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00						1.80E-01	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND									
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01						ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP20					HR-83Q-GP21					HR-83Q-GP22				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0042					NN0044					NN0046				
				Sample Date:	7-Nov-01					7-Nov-01					7-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	2.20E+04		YES	YES	YES	2.81E+04		YES	YES	YES	2.08E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					4.53E+00	J	YES	YES	YES	ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.40E+01	J	YES	YES	YES	3.62E+00			YES		9.17E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.30E+02	J	YES			9.89E+01	J				1.11E+02	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.39E+00		YES		YES	8.12E-01	J	YES			1.05E+00	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	1.33E+03					1.49E+02	J				4.69E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	4.26E+01		YES	YES	YES	2.49E+01	J		YES	YES	3.51E+01	J		YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.16E+01					2.73E+01		YES		YES	2.49E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.42E+01	J	YES			1.27E+01					2.87E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	4.24E+04		YES	YES	YES	2.23E+04	J		YES	YES	3.21E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.75E+01	J				1.47E+01					2.68E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.15E+03		YES			2.17E+03	J	YES			1.12E+03	J	YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	5.38E+02			YES	YES	6.23E+02			YES	YES	9.60E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					3.10E-02	J				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.40E+01		YES			2.00E+01		YES			1.78E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	9.70E+02		YES			2.63E+03		YES			1.56E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	1.04E+00	J	YES		YES	ND					1.50E+00		YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					2.56E+00		YES		YES	2.77E+00		YES		YES
Sodium	mg/kg	6.34E+02	NA	NA	5.72E+01	J				3.49E+01	J				3.53E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	5.77E+01			YES	YES	3.83E+01				YES	5.38E+01			YES	YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.93E+01					4.53E+01	J	YES			5.99E+01	J	YES		YES
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01															
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01															
Famphur	mg/kg	NA	1.94E-01	1.00E-01															
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01															
Parathion	mg/kg	NA	4.66E+01	1.00E-01															
Thionazin	mg/kg	NA	6.99E-01	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP23					HR-83Q-GP24					HR-83Q-GP25				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0049					NN0051					NN0053				
				Sample Date:	23-Oct-01					23-Oct-01					7-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.78E+04		YES	YES	YES	2.88E+04		YES	YES	YES	1.58E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	6.38E+00			YES		4.90E+00			YES		4.65E+00	J		YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.08E+02					1.47E+02		YES			8.70E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.40E-01	J				1.17E+00	J	YES		YES	5.06E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	5.00E+02					2.03E+03		YES			3.88E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.25E+01				YES	2.56E+01			YES	YES	1.94E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.82E+00					1.09E+01					1.33E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.20E+01					1.42E+01		YES			9.88E+00	J			
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.98E+04			YES	YES	1.92E+04			YES	YES	1.17E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.37E+01					1.89E+01					2.31E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.14E+03		YES			1.74E+03		YES			7.70E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.34E+02	J			YES	4.27E+02	J		YES	YES	5.74E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					4.00E-02	J				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.69E+00					2.40E+01		YES			9.24E+00				
Potassium	mg/kg	8.00E+02	NA	NA	1.93E+03		YES			2.53E+03		YES			5.42E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.92E+01	J				6.49E+01	J				4.70E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.49E+01				YES	4.35E+01				YES	2.52E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.64E+01	J				4.62E+01	J	YES			3.84E+01				
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01															
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01															
Famphur	mg/kg	NA	1.94E-01	1.00E-01															
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01															
Parathion	mg/kg	NA	4.66E+01	1.00E-01															
Thionazin	mg/kg	NA	6.99E-01	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP26					HR-83Q-GP27					HR-83Q-GP28				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample Number:	NN0055					NN0057					NN0059				
				Sample Date:	24-Oct-01					23-Oct-01					23-Oct-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.56E+04			YES	YES	2.41E+04		YES	YES	YES	1.37E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.39E+00			YES		6.48E+00			YES		2.86E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.02E+02					1.12E+02					6.81E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	8.74E-01	J	YES			1.07E+00	J	YES			4.55E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	8.79E+02					9.01E+02					4.62E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.69E+01	J			YES	3.59E+01			YES	YES	1.54E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	8.62E+00	J				1.40E+01					5.35E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.05E+01					1.28E+01		YES			9.50E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.77E+04			YES	YES	2.39E+04			YES	YES	1.18E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.95E+01	J				1.84E+01					2.44E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	9.42E+02					1.72E+03		YES			1.76E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	6.63E+02			YES	YES	9.39E+02	J		YES	YES	2.65E+02	J			YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.30E+01	J	YES			1.71E+01		YES			7.75E+00				
Potassium	mg/kg	8.00E+02	NA	NA	1.07E+03		YES			3.20E+03		YES			1.34E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					5.77E-01	J	YES			ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.63E+01	J				5.20E+01	J				4.72E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.91E+01	J			YES	3.77E+01				YES	1.99E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.41E+01					3.89E+01	J				2.19E+01	J			
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01															
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01															
Famphur	mg/kg	NA	1.94E-01	1.00E-01															
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01															
Parathion	mg/kg	NA	4.66E+01	1.00E-01															
Thionazin	mg/kg	NA	6.99E-01	1.00E-01															
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP29					HR-83Q-GP30				
				Parcel:	HR-83Q					HR-83Q				
				Sample Number:	NN0062					NN0064				
				Sample Date:	9-Nov-01					23-Oct-01				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES														
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03	ND									
Aldrin	mg/kg	NA	3.65E-02	2.50E-03	ND									
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02	ND									
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND									
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	ND									
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.10E+04			YES	YES	2.20E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.93E+00			YES		8.07E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	9.28E+01	J				9.73E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	7.07E-01	J				6.88E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	5.44E+02	J				1.36E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.51E+01	J			YES	2.74E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	8.76E+00					1.09E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	9.05E+00					1.11E+01				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.39E+04	J		YES	YES	2.36E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.56E+01	J				2.36E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.48E+02	J				1.15E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	5.20E+02			YES	YES	2.99E+02	J			YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	6.81E+00	J				1.17E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	6.56E+02					1.79E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	8.45E-01	J	YES		YES	7.61E-01	J	YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					1.95E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA	5.25E+01	J				6.14E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.15E+01				YES	4.17E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.58E+01					3.82E+01	J			
OP PESTICIDES														
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01	ND									
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01	ND									
Famphur	mg/kg	NA	1.94E-01	1.00E-01	ND									
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01	ND									
Parathion	mg/kg	NA	4.66E+01	1.00E-01	ND									
Thionazin	mg/kg	NA	6.99E-01	1.00E-01	ND									
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.70E-02	J								
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01	ND									
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00	1.30E-01	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND									
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01	ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP31					HR-83Q-GP32					HR-83Q-GP33				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample No:	NN0066					NN0068					NN0070				
				Sample Date:	7-Nov-01					30-Nov-01					23-Oct-01				
				Sample Depth:	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
CL PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03															
Aldrin	mg/kg	NA	3.65E-02	2.50E-03															
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02															
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	2.32E+04		YES	YES	YES	1.45E+04			YES	YES	2.90E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					4.82E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	6.32E+00			YES		4.51E+00			YES		7.93E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	9.24E+01	J				8.51E+01					1.20E+02	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	7.33E-01	J				6.63E-01	J				8.56E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	2.86E+02	J				7.81E+01	J				3.92E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.23E+01	J			YES	1.37E+01				YES	3.48E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.17E+01		YES		YES	4.87E+00					1.07E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.34E+01		YES			2.56E+01		YES			1.42E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.44E+04	J		YES	YES	2.04E+04			YES	YES	2.60E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.84E+02		YES		YES	1.32E+01					1.24E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.55E+03	J	YES			5.92E+02					1.60E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	7.40E+02			YES	YES	1.40E+02				YES	3.50E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					4.20E-02	J				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.47E+01		YES			1.06E+01		YES			1.99E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	2.69E+03		YES			1.06E+03		YES			2.74E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					5.98E-01	J	YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	2.54E+00		YES		YES	1.62E+00	J	YES			ND				
Sodium	mg/kg	6.34E+02	NA	NA	3.65E+01	J				4.37E+01	J				6.69E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.40E+01				YES	2.92E+01				YES	4.55E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	5.08E+01	J	YES		YES	2.82E+01					7.49E+01		YES		YES
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01															
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01															
Famphur	mg/kg	NA	1.94E-01	1.00E-01															
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01															
Parathion	mg/kg	NA	4.66E+01	1.00E-01															
Thionazin	mg/kg	NA	6.99E-01	1.00E-01															
VOLATILES																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP34					HR-83Q-GP35					HR-83Q-GP36				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample No:	NN0073					NN0075					NN0078				
				Sample Date:	23-Oct-01					23-Oct-01					23-Oct-01				
				Sample Depth:	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
CL PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	2.77E+04		YES	YES	YES	1.82E+04		YES	YES	YES	3.43E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					-	-				ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	9.39E+00			YES		4.42E+00			YES		1.42E+01		YES	YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.30E+02	J	YES			1.09E+02	J				1.64E+02	J	YES		
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	8.53E-01	J	YES			6.65E-01	J				9.91E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	4.09E+02					5.19E+02					1.80E+03		YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	3.26E+01			YES	YES	1.78E+01				YES	4.13E+01		YES	YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	2.08E+01		YES		YES	9.57E+00					1.71E+01		YES		
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.33E+01		YES			3.18E+01		YES			4.66E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	2.73E+04			YES	YES	1.33E+04			YES	YES	3.17E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.13E+02		YES		YES	1.81E+02		YES		YES	1.42E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.71E+03		YES			1.03E+03					2.06E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	7.02E+02			YES	YES	5.82E+02			YES	YES	7.71E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					-	-				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.13E+01		YES			1.24E+01		YES			2.37E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	3.62E+03		YES			1.41E+03		YES			2.00E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	8.93E-01	J	YES		YES	-	-				1.23E+00		YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					-	-				ND				
Sodium	mg/kg	6.34E+02	NA	NA	6.63E+01	J				4.79E+01	J				1.07E+02	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	4.82E+01				YES	2.81E+01				YES	5.77E+01			YES	YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	5.28E+01		YES		YES	3.55E+01					5.67E+01		YES		YES
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01											ND				
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01											ND				
Famphur	mg/kg	NA	1.94E-01	1.00E-01											ND				
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01											ND				
Parathion	mg/kg	NA	4.66E+01	1.00E-01											ND				
Thionazin	mg/kg	NA	6.99E-01	1.00E-01											ND				
VOLATILES																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											1.60E-02	J			
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01											ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02											4.90E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00											3.10E-01				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											ND				
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-GP37					HR-83Q-MW01					HR-83Q-MW02				
				Parcel:	HR-83Q					HR-83Q					HR-83Q				
				Sample No:	NN0080					NN0082					NN0084				
				Sample Date:	9-Nov-01					23-Oct-01					23-Oct-01				
				Sample Depth:	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
CL PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03											ND				
Aldrin	mg/kg	NA	3.65E-02	2.50E-03											ND				
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02											ND				
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01											ND				
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03											ND				
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.83E+04		YES	YES	YES	3.37E+04		YES	YES	YES	2.59E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.27E+00			YES		6.15E+00			YES		7.40E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	7.00E+01	J				1.37E+02	J	YES			9.79E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	5.50E-01	J				9.86E-01	J	YES			9.61E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	3.83E+02	J				7.21E+02					1.61E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.20E+01	J			YES	2.72E+01			YES	YES	3.35E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	8.01E+00					1.00E+01					9.65E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.05E+01					1.86E+01		YES			1.37E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.30E+04	J		YES	YES	2.79E+04			YES	YES	2.24E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.22E+01	J	YES		YES	1.74E+01					1.73E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	8.21E+02	J				1.57E+03		YES			1.54E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.11E+02				YES	5.30E+02			YES	YES	1.71E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.30E-02	J				ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.05E+01	J	YES			1.87E+01		YES			2.07E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	8.21E+02		YES			2.14E+03		YES			2.52E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	5.37E-01	J	YES			9.19E-01	J	YES		YES	1.07E+00	J	YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	5.29E+01	J				6.06E+01	J				6.08E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.66E+01				YES	4.59E+01				YES	4.52E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.05E+01					5.66E+01		YES		YES	4.77E+01		YES		
OP PESTICIDES																			
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01											ND				
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01											ND				
Famphur	mg/kg	NA	1.94E-01	1.00E-01											ND				
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01											ND				
Parathion	mg/kg	NA	4.66E+01	1.00E-01											ND				
Thionazin	mg/kg	NA	6.99E-01	1.00E-01											ND				
VOLATILES																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01											ND				
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01											ND				
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02											ND				
Acetone	mg/kg	NA	7.76E+02	2.50E+00											4.60E-02				
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00											1.60E-03	B			
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01											ND				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-MW03					HR-83Q-MW04				
				Parcel:	HR-83Q					HR-83Q				
				Sample No:	NN0086					NN0089				
				Sample Date:	23-Oct-01					7-Nov-01				
				Sample Depth:	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
CL PESTICIDES														
4,4'-DDT	mg/kg	NA	1.79E+00	2.50E-03										
Aldrin	mg/kg	NA	3.65E-02	2.50E-03										
Endrin aldehyde	mg/kg	NA	2.32E-01	1.05E-02										
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01										
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.85E+04		YES	YES	YES	1.56E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.69E+00	J		YES		2.45E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.10E+02	J				1.31E+02	J	YES		
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	8.34E-01	J	YES			9.48E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	7.92E+02					3.76E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.17E+01				YES	1.36E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.96E+00					1.89E+01		YES		
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.02E+01					1.22E+01				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.54E+04	J		YES	YES	1.36E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.48E+01	J				1.63E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.11E+03		YES			1.10E+03	J	YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.25E+02			YES	YES	1.29E+03			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.27E+01		YES			1.35E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	1.45E+03		YES			1.44E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					1.86E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA	5.57E+01	J				3.48E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.34E+01				YES	2.14E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.70E+01					3.16E+01	J			
OP PESTICIDES														
Dimethoate	mg/kg	NA	1.55E+00	1.00E-01										
Disulfoton	mg/kg	NA	3.11E-01	1.00E-01										
Famphur	mg/kg	NA	1.94E-01	1.00E-01										
Methyl Parathion	mg/kg	NA	1.94E+00	1.00E-01										
Parathion	mg/kg	NA	4.66E+01	1.00E-01										
Thionazin	mg/kg	NA	6.99E-01	1.00E-01										
VOLATILES														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01										
2-Hexanone	mg/kg	NA	3.11E+02	1.26E+01										
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02										
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										
Trichlorofluoromethane	mg/kg	NA	2.33E+03	1.00E-01										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-118Q-DEP01					HR-118Q-DEP02					HR-118Q-DEP03				
				Parcel:	HR-118Q					HR-118Q					HR-118Q				
				Sample Number:	NP0028					NP0029					NP0030				
				Sample Date:	8-Nov-01					8-Nov-01					8-Nov-01				
				Sample Depth (Feet):	0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01															
2,4-DB	mg/kg	NA	6.22E+01	1.00E-01															
Dinoseb	mg/kg	NA	7.77E+02	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.47E+04			YES	YES	1.27E+04			YES	YES	1.38E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	8.78E+00	J	YES	YES	YES	ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	6.96E+00			YES		6.49E+00			YES		3.55E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	2.16E+02		YES		YES	1.08E+02					1.16E+02				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.55E+00		YES		YES	5.70E-01	J				7.67E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	1.09E+03					1.60E+03					1.05E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.78E+01				YES	2.22E+01				YES	1.37E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.91E+01		YES			6.02E+00					1.14E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.28E+03		YES	YES	YES	1.60E+01		YES			1.08E+01				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.70E+04			YES	YES	1.83E+04			YES	YES	9.87E+03			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.95E+03		YES	YES	YES	3.10E+01					4.45E+01		YES		
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	9.67E+02					8.44E+02					7.56E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.08E+03		YES	YES	YES	4.59E+02			YES	YES	1.66E+03		YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	5.50E-02	B				2.90E-02	B				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.76E+01		YES			7.40E+00					9.23E+00				
Potassium	mg/kg	8.00E+02	NA	NA	1.44E+03		YES			1.42E+03		YES			5.42E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	1.07E+00	J	YES		YES	6.97E-01	J	YES			ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.42E+01	B				4.79E+01	B				4.56E+01	B			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.06E+01				YES	3.00E+01				YES	1.94E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.21E+02		YES		YES	3.90E+01					3.69E+01				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-118Q-DEP04					HR-118Q-GP01					HR-118Q-GP02				
				Parcel:	HR-118Q					HR-118Q					HR-118Q				
				Sample Number:	NP0031					NP0001					NP0003				
				Sample Date:	8-Nov-01					29-Nov-01					30-Nov-01				
				Sample Depth (Feet):	0- .5					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01	ND					ND									
2,4-DB	mg/kg	NA	6.22E+01	1.00E-01	2.00E-02	J				ND									
Dinoseb	mg/kg	NA	7.77E+02	1.00E-01	ND					ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.10E+04			YES	YES	2.97E+04		YES	YES	YES	1.86E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					5.86E+00	J	YES	YES	YES	ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.30E+00			YES		1.13E+01			YES	YES	3.82E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	6.46E+01					1.62E+02	J	YES			6.78E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.81E-01	J				1.01E+00	J	YES			5.59E-01	B			
Calcium	mg/kg	1.72E+03	NA	NA	2.37E+03		YES			6.94E+03		YES			9.57E+01	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.52E+01				YES	2.41E+01			YES	YES	1.35E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.43E+00					3.25E+00					7.27E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.08E+01					1.17E+02		YES		YES	9.09E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.68E+04			YES	YES	4.00E+04		YES	YES	YES	1.23E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.27E+01					1.47E+03		YES	YES	YES	9.79E+00				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.43E+03		YES			2.96E+03		YES			1.09E+03	J	YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	4.12E+02			YES	YES	1.26E+02				YES	1.06E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					4.70E-02	B				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.00E+00					2.21E+01		YES			1.17E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	1.04E+03		YES			3.64E+03	J	YES			1.56E+03	J	YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					1.15E+00	J	YES		YES	ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					1.92E+00	J	YES			ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.24E+01	B				9.17E+01	J				5.01E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.65E+01				YES	5.03E+01				YES	2.26E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.93E+01					7.96E+01		YES		YES	2.81E+01	J			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01	1.50E-02	J				ND									
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02	ND					ND									
Acetone	mg/kg	NA	7.76E+02	2.50E+00	2.10E-01					3.60E-03	B								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	2.20E-03	B				ND									
p-Cymene	mg/kg	NA	1.55E+03	NA	ND					ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-118Q-GP03					HR-118Q-GP04					HR-118Q-GP05				
				Parcel:	HR-118Q					HR-118Q					HR-118Q				
				Sample Number:	NP0005					NP0007					NP0009				
				Sample Date:	29-Nov-01					29-Nov-01					29-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01															
2,4-DB	mg/kg	NA	6.22E+01	1.00E-01															
Dinoseb	mg/kg	NA	7.77E+02	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.28E+04			YES	YES	2.88E+04		YES	YES	YES	2.24E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.48E+00			YES		1.27E+01			YES	YES	4.47E+00	J		YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	7.78E+01	J				1.00E+02	J				9.41E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.93E-01	B				5.02E-01	B				5.82E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	2.44E+02					1.04E+02	J				3.78E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.51E+01				YES	3.09E+01			YES	YES	1.99E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	3.91E+00					3.11E+00					9.65E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	6.41E+01		YES		YES	3.35E+01		YES			4.11E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.22E+04	J		YES	YES	3.97E+04	J	YES	YES	YES	1.83E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.26E+02		YES	YES	YES	1.02E+01					2.14E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.08E+02	J				1.32E+03	J	YES			1.08E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.58E+02				YES	7.23E+01					5.62E+02	J		YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					6.70E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	7.61E+00					1.02E+01					1.27E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	6.31E+02	J				2.73E+03	J	YES			1.36E+03	J	YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	6.07E-01	J	YES			1.81E+00		YES		YES	ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					2.17E+00	J	YES		YES	ND				
Sodium	mg/kg	6.34E+02	NA	NA	5.16E+01	J				7.35E+01	J				4.96E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.31E+01				YES	8.13E+01		YES	YES	YES	3.52E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	5.96E+01	J	YES		YES	4.13E+01	J	YES			4.17E+01		YES		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-118Q-GP06					HR-118Q-GP07					HR-118Q-GP08				
				Parcel:	HR-118Q					HR-118Q					HR-118Q				
				Sample Number:	NP0012					NP0014					NP0016				
				Sample Date:	29-Nov-01					29-Nov-01					29-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
2,4-D	mg/kg	NA	7.77E+01	1.00E-01															
2,4-DB	mg/kg	NA	6.22E+01	1.00E-01															
Dinoseb	mg/kg	NA	7.77E+02	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.67E+04		YES	YES	YES	1.54E+04			YES	YES	2.13E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	1.52E+01	J	YES	YES	YES	ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.21E+00			YES		8.81E+00			YES		6.96E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	9.46E+01	J				9.96E+01	J				8.03E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	5.16E-01	J				6.42E-01	B				5.08E-01	B			
Calcium	mg/kg	1.72E+03	NA	NA	3.76E+02					2.18E+02					4.45E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.53E+01				YES	2.45E+01			YES	YES	2.48E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.41E+01					8.61E+00					6.91E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	5.22E+02		YES	YES	YES	4.62E+02		YES	YES	YES	9.79E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.03E+04			YES	YES	2.79E+04	J		YES	YES	2.12E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.38E+03		YES	YES	YES	1.47E+03		YES	YES	YES	1.35E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	7.39E+02					8.07E+02	J				1.02E+03	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	8.27E+02			YES	YES	4.73E+02			YES	YES	3.74E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.40E-02	J				3.90E-02	B				4.30E-02	B			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.04E+01		YES			7.44E+00					1.21E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	7.10E+02	J				1.93E+03	J	YES			1.63E+03	J	YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					1.63E+00		YES		YES	7.07E-01	J	YES		
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					1.62E+00	J	YES			ND				
Sodium	mg/kg	6.34E+02	NA	NA	5.05E+01	J				4.97E+01	J				5.28E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.49E+01				YES	4.92E+01				YES	3.78E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	9.22E+01		YES		YES	6.92E+01	J	YES		YES	5.16E+01	J	YES		YES
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01															
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02															
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
p-Cymene	mg/kg	NA	1.55E+03	NA															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-118Q-GP09					HR-118Q-GP10				
				Parcel:	HR-118Q					HR-118Q				
				Sample Number:	NP0018					NP0021				
				Sample Date:	29-Nov-01					29-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
2,4-D	mg/kg	NA	7.77E+01	1.00E-01										
2,4-DB	mg/kg	NA	6.22E+01	1.00E-01										
Dinoseb	mg/kg	NA	7.77E+02	1.00E-01										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.94E+04		YES	YES	YES	1.52E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					8.30E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.53E+00			YES		1.19E+01			YES	YES
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	8.03E+01	J				9.56E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	6.08E-01	J				9.08E-01	J	YES		
Calcium	mg/kg	1.72E+03	NA	NA	3.05E+02					2.01E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	4.37E+01	J	YES	YES	YES	2.71E+01			YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	7.87E+00					3.92E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.74E+01		YES			1.25E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.95E+04			YES	YES	3.57E+04		YES	YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.28E+02		YES		YES	2.26E+04		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	8.63E+02					6.86E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.15E+02				YES	1.51E+03			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	4.90E-02	J				6.90E-02	B			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.03E+01					1.13E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	9.37E+02	J	YES			9.85E+02	J	YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	5.82E-01	J	YES			1.54E+00		YES		YES
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	1.55E+00	J	YES			1.80E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA	5.06E+01	J				5.22E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	3.62E+01				YES	5.26E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	4.74E+01		YES			4.77E+01		YES		
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01										
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02										
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										
p-Cymene	mg/kg	NA	1.55E+03	NA										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-118Q-GP11					HR-118Q-MW01				
				Parcel:	HR-118Q					HR-118Q				
				Sample Number:	NP0023					NP0026				
				Sample Date:	29-Nov-01					29-Nov-01				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES														
2,4-D	mg/kg	NA	7.77E+01	1.00E-01						7.10E-03	J			
2,4-DB	mg/kg	NA	6.22E+01	1.00E-01						2.10E-02	J			
Dinoseb	mg/kg	NA	7.77E+02	1.00E-01						7.60E-03	J			
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.60E+04			YES	YES	2.70E+04		YES	YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND	ND				ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.55E+00			YES		9.06E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.49E+02	J	YES			1.16E+02	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	2.36E+00		YES		YES	7.81E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	3.13E+02					2.63E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.44E+01				YES	2.22E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.11E+01		YES		YES	1.27E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.52E+02		YES		YES	8.27E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.90E+04	J		YES	YES	2.62E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.17E+02		YES	YES	YES	2.59E+02		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.08E+03	J	YES			1.41E+03		YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.39E+03			YES	YES	5.89E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	5.70E-02	B				4.80E-02	B			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.77E+01		YES			1.85E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	2.09E+03	J	YES			2.57E+03	J	YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	5.92E-01	J	YES			ND				
Silver	mg/kg	3.60E-01	3.91E+01	2.00E+00	ND					1.56E+00	J	YES		
Sodium	mg/kg	6.34E+02	NA	NA	5.07E+01	J				5.11E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.69E+01				YES	4.31E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	8.73E+01	J	YES		YES	6.53E+01		YES		YES
VOLATILE ORGANIC COMPOUNDS														
2-Butanone	mg/kg	NA	4.66E+03	8.96E+01						9.60E-03	J			
4-Methyl-2-pentanone	mg/kg	NA	6.21E+02	4.43E+02						5.30E-03	J			
Acetone	mg/kg	NA	7.76E+02	2.50E+00						2.50E-01	J			
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00						ND				
p-Cymene	mg/kg	NA	1.55E+03	NA						1.20E-03	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-DEP01					HR-223Q-GP01					HR-223Q-GP02				
				Parcel:	HR-223Q					HR-223Q					HR-223Q				
				Sample Number:	PN0021					PN0001					PN0004				
				Sample Date:	14-Mar-02					11-Apr-02					10-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND					ND									
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	6.56E+03				YES	3.65E+03				YES					
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	3.71E+00			YES		1.71E+00			YES						
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	4.32E+01	J				2.17E+02		YES		YES					
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND					ND									
Calcium	mg/kg	1.72E+03	NA	NA	6.33E+02					1.29E+04		YES							
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.53E+01	J			YES	5.51E+00				YES					
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.61E+00	J				4.79E+00									
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.26E+01					6.15E+00									
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.76E+04	J		YES	YES	6.38E+03			YES	YES					
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	4.20E+01	J	YES			1.40E+01					3.23E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.98E+02					7.60E+03		YES							
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.38E+02	J			YES	1.12E+03			YES	YES					
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	2.88E-02	J				ND									
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	4.65E+00					2.32E+00									
Potassium	mg/kg	8.00E+02	NA	NA	5.81E+02					1.00E+03		YES							
Sodium	mg/kg	6.34E+02	NA	NA	1.41E+02					6.38E+01	J								
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.49E+01				YES	9.33E+00				YES					
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.90E+01	J				8.49E+00									
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00	1.80E-01	J				1.70E-01	J								
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND					1.80E-03	B								
Toluene	mg/kg	NA	1.55E+03	5.00E-02	1.50E-03	J				ND									

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-GP03					HR-223Q-GP04					HR-223Q-GP05				
				Parcel:	HR-223Q					HR-223Q					HR-223Q				
				Sample Number:	PN0005					PN0007					PN0008				
				Sample Date:	11-Apr-02					10-Jun-02					10-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	ND														
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	2.90E+03				YES										
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.70E+00			YES											
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	2.22E+02		YES		YES										
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND														
Calcium	mg/kg	1.72E+03	NA	NA	6.97E+03		YES												
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	3.46E+00				YES										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	3.54E+00														
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.80E+00														
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	5.89E+03			YES	YES										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.55E+00					3.08E+01					1.30E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	4.04E+03		YES												
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.04E+03			YES	YES										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.80E-02	J													
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.71E+00	J													
Potassium	mg/kg	8.00E+02	NA	NA	1.08E+03		YES												
Sodium	mg/kg	6.34E+02	NA	NA	6.52E+01	J													
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	9.17E+00				YES										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	5.52E+00														
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00	3.20E-02	J													
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	1.50E-03	B													
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-GP06					HR-223Q-GP07					HR-223Q-GP08				
				Parcel:	HR-223Q					HR-223Q					HR-223Q				
				Sample Number:	PN0009					PN0011					PN0012				
				Sample Date:	6-Jun-02					10-Jun-02					10-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01	5.90E-04	J													
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	9.44E+03			YES	YES						8.81E+03			YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.06E+00	J		YES							2.29E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.83E+01	J									3.06E+02	J	YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	ND										1.16E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	4.77E+01	J									1.16E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.05E+01				YES						9.60E+00				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	4.75E+00										2.68E+01		YES		YES
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.89E+00										4.71E+00				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	9.73E+03			YES	YES						9.28E+03			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	8.46E+00					9.67E+00					2.08E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	1.48E+03		YES								8.91E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.74E+01										1.02E+03			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND										4.84E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	5.07E+00										1.27E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	2.46E+03		YES								1.08E+03		YES		
Sodium	mg/kg	6.34E+02	NA	NA	6.12E+01	J									5.39E+01	J			
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.01E+01				YES						1.23E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	1.39E+01	J									2.82E+01	J			
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00	2.20E-01														
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00	ND														
Toluene	mg/kg	NA	1.55E+03	5.00E-02	ND														

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-GP09					HR-223Q-GP10					HR-223Q-GP11				
				Parcel:	HR-223Q					HR-223Q					HR-223Q				
				Sample Number:	PN0014					PN0016					PN0017				
				Sample Date:	10-Jun-02					10-Jun-02					10-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01															
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01															
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01															
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02															
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00															
Calcium	mg/kg	1.72E+03	NA	NA															
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01															
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01															
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01															
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02															
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.18E+01					2.87E+01					1.79E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05															
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02															
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01															
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01															
Potassium	mg/kg	8.00E+02	NA	NA															
Sodium	mg/kg	6.34E+02	NA	NA															
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00															
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01															
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	2.50E+00															
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00															
Toluene	mg/kg	NA	1.55E+03	5.00E-02															

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-GP12					HR-223Q-GP13				
				Parcel:	HR-223Q					HR-223Q				
				Sample Number:	PN0018					PN0020				
				Sample Date:	10-Jun-02					10-Jun-02				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES														
Heptachlor	mg/kg	NA	1.40E-01	1.00E-01										
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01										
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01										
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02										
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00										
Calcium	mg/kg	1.72E+03	NA	NA										
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01										
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01										
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01										
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02										
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.48E+01					2.21E+01				
Magnesium	mg/kg	1.03E+03	NA	4.40E+05										
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02										
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01										
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01										
Potassium	mg/kg	8.00E+02	NA	NA										
Sodium	mg/kg	6.34E+02	NA	NA										
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00										
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01										
VOLATILE ORGANIC COMPOUNDS														
Acetone	mg/kg	NA	7.76E+02	2.50E+00										
Methylene chloride	mg/kg	NA	8.41E+01	2.00E+00										
Toluene	mg/kg	NA	1.55E+03	5.00E-02										

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-224Q-GP06					HR-224Q-MW03					HR-224Q-MW04				
				Parcel:	RSR25_EECA					RSR25_EECA					RSR25_EECA				
				Sample Number:	QE0012					QE0018					QE0020				
				Sample Date:	17-Jul-01					17-Jul-01					17-Jul-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.40E+04			YES	YES	4.16E+03				YES	6.50E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	5.96E+00			YES		3.26E+00			YES		2.81E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.26E+02		YES			4.43E+01					6.69E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.84E+00		YES		YES	2.59E-01	B				6.78E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	1.52E+03					5.41E+02					4.09E+02				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	2.46E+01			YES	YES	6.86E+00				YES	1.40E+01				YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.03E+01					4.89E+00					1.23E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	3.36E+01		YES			6.13E+01		YES		YES	2.98E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	4.03E+04		YES	YES	YES	1.17E+04			YES	YES	1.73E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.78E+01					4.46E+02		YES	YES	YES	9.01E+01		YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	7.07E+02					1.91E+02					2.65E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	5.92E+02			YES	YES	2.05E+02				YES	4.52E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	5.00E-02	J				8.60E-02	J	YES			5.30E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.68E+01		YES			4.61E+00					7.41E+00				
Potassium	mg/kg	8.00E+02	NA	NA	1.82E+03		YES			4.12E+02	J				6.79E+02				
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	4.12E+01	J				3.09E+01	J				3.68E+01	J			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.35E+01				YES	1.30E+01				YES	1.42E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.73E+01					2.12E+01					1.56E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-226Q-DEP02					HR-226Q-DEP03					HR-226Q-DEP04				
				Parcel:	RSR25_EECA					RSR25_EECA					RSR25_EECA				
				Sample Number:	MR0038					MR0039					MR0041				
				Sample Date:	22-Aug-01					21-Aug-01					21-Aug-01				
				Sample Depth (Feet):	0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	8.13E+03			YES	YES	4.34E+03				YES	6.80E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					4.46E+00	J	YES	YES	YES	6.84E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.00E+00			YES		4.95E+00			YES		5.15E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.44E+03		YES	YES	YES	5.44E+01					7.02E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	8.79E-01	B	YES			5.72E-01	B				4.46E-01	B			
Calcium	mg/kg	1.72E+03	NA	NA	1.16E+04		YES			3.00E+03	J	YES			1.42E+03				
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.12E+01	J			YES	2.37E+01	J		YES	YES	1.19E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	1.40E+02		YES		YES	4.38E+00					7.23E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.75E+01		YES			2.31E+01		YES			1.60E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.55E+04			YES	YES	2.44E+04			YES	YES	1.59E+04			YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	3.50E+01					2.05E+03	J	YES	YES	YES	1.06E+03		YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	6.81E+03		YES			1.59E+03	J	YES			2.91E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	6.12E+03	J	YES	YES	YES	2.73E+02	J			YES	4.16E+02	J		YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					ND					3.70E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.10E+01		YES			5.46E+00					1.17E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	1.08E+03		YES			4.01E+02	B				8.22E+02		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	5.67E-01	J	YES			ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.95E+01	J				ND					ND				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	3.99E+00		YES	YES	YES	ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.41E+01				YES	1.35E+01				YES	1.60E+01				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.52E+01					1.62E+01					2.92E+01				

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-226Q-GP05					HR-226Q-GP07					HR-226Q-GP08				
				Parcel:	RSR25_EECA					RSR25_EECA					RSR25_EECA				
				Sample Number:	MR0009					MR0014					MR0016				
				Sample Date:	19-Jul-01					19-Jul-01					16-Jul-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	7.82E+03	J		YES	YES	1.62E+04	J		YES	YES	1.45E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	ND					ND					4.65E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	2.64E+00			YES		4.30E+00			YES		6.52E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	1.11E+02					1.99E+02		YES		YES	2.06E+02		YES		YES
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	1.14E+00		YES		YES	1.54E+00		YES		YES	1.47E+00		YES		YES
Calcium	mg/kg	1.72E+03	NA	NA	6.90E+02	J				4.85E+02	J				5.51E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.25E+01	J			YES	1.84E+01	J			YES	2.03E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	5.89E+00					1.11E+01					1.63E+01		YES		
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	9.81E+01		YES		YES	2.46E+01		YES			7.07E+01		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.68E+04	J		YES	YES	1.65E+04	J		YES	YES	1.84E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.71E+02	J	YES		YES	1.99E+02	J	YES		YES	8.59E+02	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	4.26E+02	J				5.65E+02	J				3.52E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.71E+02	J		YES	YES	1.87E+03	J	YES	YES	YES	3.52E+03		YES	YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	3.10E-02	J				7.40E-02	J				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	8.15E+00					1.16E+01		YES			1.23E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	9.06E+02		YES			4.61E+02	J				4.98E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	ND					ND					3.01E+01	B			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					8.40E-01	J		YES		1.09E+00	J		YES	YES
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.39E+01	J			YES	2.21E+01	J			YES	2.50E+01	J			YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.00E+01	J				2.10E+01	J				2.22E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-226Q-GP09					HR-226Q-GP10					HR-226Q-GP11				
				Parcel:	RSR25_EECA					RSR25_EECA					RSR25_EECA				
				Sample Number:	MR0018					MR0020					MR0022				
				Sample Date:	16-Jul-01					16-Jul-01					16-Jul-01				
				Sample Depth (Feet):	0- 1					0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	1.03E+04			YES	YES	7.12E+03				YES	1.29E+04			YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	5.13E+00	J	YES	YES	YES	6.84E+00	J	YES	YES	YES	ND				
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.22E+01			YES	YES	4.90E+00			YES		5.68E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.32E+01					8.50E+01					3.51E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	4.37E-01	B				7.09E-01	J				3.27E-01	B			
Calcium	mg/kg	1.72E+03	NA	NA	3.51E+02	J				5.58E+02	J				1.48E+02	B			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	4.11E+01	J	YES	YES	YES	1.31E+01	J			YES	4.11E+01	J	YES	YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.46E+00					7.55E+00					3.53E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	7.00E+01		YES		YES	1.88E+02		YES		YES	2.35E+01		YES		
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	4.83E+04	J	YES	YES	YES	1.97E+04	J		YES	YES	2.82E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	5.90E+02	J	YES	YES	YES	2.63E+03	J	YES	YES	YES	1.84E+02	J	YES		YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.57E+02					2.76E+02					3.54E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	1.99E+02				YES	5.84E+02			YES	YES	1.00E+02				YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	5.80E-02	J				ND					6.80E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	1.42E+01		YES			8.80E+00					8.04E+00				
Potassium	mg/kg	8.00E+02	NA	NA	5.54E+02	J				7.85E+02					4.57E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	4.48E-01	J				ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.99E+01	B				2.96E+01	B				3.01E+01	B			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	4.55E+01	J			YES	1.66E+01	J			YES	3.22E+01	J			YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.71E+01	J				4.70E+01	J	YES			2.12E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-226Q-GP12					HR-226Q-GP13				
				Parcel:	RSR25_EECA					RSR25_EECA				
				Sample Number:	MR0023					MR0024				
				Sample Date:	16-Jul-01					16-Jul-01				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	9.93E+03			YES	YES	7.05E+03				YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	4.03E+00	J	YES	YES	YES	6.18E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	1.92E+01		YES	YES	YES	3.68E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	2.76E+01					5.02E+01				
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	7.85E-01	J				3.89E-01	B			
Calcium	mg/kg	1.72E+03	NA	NA	3.55E+02	J				3.50E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	4.63E+01	J	YES	YES	YES	2.65E+01	J		YES	YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.65E+00					1.23E+01				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.04E+01		YES			1.86E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	3.93E+04	J	YES	YES	YES	1.87E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.64E+01	J				1.67E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.36E+02					2.28E+02				
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	9.28E+01					5.25E+02			YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	5.90E-02	J				ND				
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	2.32E+01		YES			6.86E+00				
Potassium	mg/kg	8.00E+02	NA	NA	8.77E+02		YES			5.13E+02	J			
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	ND					ND				
Sodium	mg/kg	6.34E+02	NA	NA	3.03E+01	B				3.01E+01	B			
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	2.72E+01	J			YES	1.95E+01	J			YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.37E+01	J				3.11E+01	J			

Table 4-1

Surface and Depositional Soil Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-226Q-MW02					HR-226Q-MW03				
				Parcel:	RSR25_EECA					RSR25_EECA				
				Sample Number:	MR0027					MR0029				
				Sample Date:	16-Jul-01					18-Jul-01				
				Sample Depth (Feet):	0- 1					0- 1				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS														
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	6.84E+03				YES	9.92E+03	J		YES	YES
Antimony	mg/kg	1.99E+00	3.11E+00	3.50E+00	5.83E+00	J	YES	YES	YES	7.34E+00	J	YES	YES	YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	4.23E+00			YES		3.52E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	3.57E+01					1.57E+02		YES		
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	2.94E-01	B				9.98E-01	B	YES		
Calcium	mg/kg	1.72E+03	NA	NA	2.72E+02	J				5.70E+02	J			
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.37E+01	J			YES	1.32E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	6.68E+00					9.54E+00				
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	2.37E+02		YES		YES	2.87E+02		YES		YES
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.70E+04	J		YES	YES	1.73E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	2.15E+03	J	YES	YES	YES	2.07E+03	J	YES	YES	YES
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.08E+02					5.47E+02	J			
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	2.22E+02				YES	6.84E+02	J		YES	YES
Mercury	mg/kg	8.00E-02	2.33E+00	1.00E-01	ND					6.80E-02	J			
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	5.92E+00					1.24E+01		YES		
Potassium	mg/kg	8.00E+02	NA	NA	4.63E+02	J				1.17E+03		YES		
Selenium	mg/kg	4.80E-01	3.91E+01	8.10E-01	4.68E-01	J				ND				
Sodium	mg/kg	6.34E+02	NA	NA	2.96E+01	B				ND				
Thallium	mg/kg	3.43E+00	5.08E-01	1.00E+00	ND					ND				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	1.85E+01	J			YES	1.63E+01	J			YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	3.50E+01	J				5.35E+01	J	YES		YES

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

Note: Blank results indicate constituent was not analyzed for.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998. For SVOCs, concentration listed is the background screening value for soils adjacent to asphalt as given in IT Corporation (IT), 2000, *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama*, July.

[b] Residential human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT, 2000.

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

J - Compound was positively identified; reported value is an estimated concentration.

mg/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

VQ - Data validation qualifier.

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-74Q-GP01				HR-74Q-GP02				HR-74Q-GP03				HR-74Q-GP04			
			Parcel:	HR-74Q				HR-74Q				HR-74Q				HR-74Q			
			Sample Number:	PJ0002				PJ0004				PJ0007				PJ0009			
			Sample Date:	26-Feb-02				26-Feb-02				26-Feb-02				27-Feb-02			
			Sample Depth (Feet):	2 - 4				2 - 4				2 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00					ND											
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03					2.12E+04		YES	YES								
Arsenic	mg/kg	1.83E+01	4.26E-01					3.09E+00	J		YES								
Barium	mg/kg	2.34E+02	5.47E+02					1.30E+02											
Beryllium	mg/kg	8.60E-01	9.60E+00					1.07E+00	J	YES									
Calcium	mg/kg	6.37E+02	NA					6.98E+02	J	YES									
Chromium	mg/kg	3.83E+01	2.32E+01					1.78E+01											
Cobalt	mg/kg	1.75E+01	4.68E+02					6.11E+00											
Copper	mg/kg	1.94E+01	3.13E+02					8.92E+00											
Iron	mg/kg	4.48E+04	2.34E+03					1.59E+04	J		YES								
Lead	mg/kg	3.85E+01	4.00E+02	1.20E+01				1.16E+01				9.51E+00				1.57E+01			
Magnesium	mg/kg	7.66E+02	NA					9.36E+02	J	YES									
Manganese	mg/kg	1.36E+03	3.63E+02					5.84E+02	J		YES								
Mercury	mg/kg	7.00E-02	2.33E+00					ND											
Nickel	mg/kg	1.29E+01	1.54E+02					8.19E+00											
Potassium	mg/kg	7.11E+02	NA					5.52E+02	J										
Selenium	mg/kg	4.70E-01	3.91E+01					ND											
Sodium	mg/kg	7.02E+02	NA					4.86E+01	J										
Vanadium	mg/kg	6.49E+01	5.31E+01					2.57E+01											
Zinc	mg/kg	3.49E+01	2.34E+03					2.01E+01	J										
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03					7.80E-03	J										
Acetone	mg/kg	NA	7.76E+02					7.10E-02	J										

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-74Q-GP15				HR-74Q-GP18				HR-74Q-GP19				HR-74Q-GP22			
			Parcel:	HR-74Q				HR-74Q				HR-74Q				HR-74Q			
			Sample Number:	PJ0022				PJ0026				PJ0028				PJ0033			
			Sample Date:	26-Feb-02				7-Mar-02				27-Feb-02				27-Feb-02			
			Sample Depth (Feet):	2 - 4				1 - 2				2 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00													ND			
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03									3.08E+04		YES	YES	1.41E+04		YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01									5.63E+00			YES	7.31E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02									2.58E+02		YES		9.29E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00									1.78E+00		YES		8.26E-01	J		
Calcium	mg/kg	6.37E+02	NA									1.06E+03	J	YES		6.94E+02	J	YES	
Chromium	mg/kg	3.83E+01	2.32E+01									2.10E+01				1.86E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02									1.70E+01				1.03E+01			
Copper	mg/kg	1.94E+01	3.13E+02									1.53E+01	J			1.44E+01	J		
Iron	mg/kg	4.48E+04	2.34E+03									3.32E+04			YES	2.71E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	8.57E+00				6.53E+00	J			2.59E+01				1.96E+01			
Magnesium	mg/kg	7.66E+02	NA									1.36E+03	J	YES		6.07E+02	J		
Manganese	mg/kg	1.36E+03	3.63E+02									2.43E+03		YES	YES	5.62E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00									ND				5.08E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02									1.57E+01		YES		1.23E+01			
Potassium	mg/kg	7.11E+02	NA									1.23E+03		YES		7.92E+02		YES	
Selenium	mg/kg	4.70E-01	3.91E+01									7.89E-01	J	YES		ND			
Sodium	mg/kg	7.02E+02	NA									5.72E+01	J			4.83E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01									4.49E+01				3.38E+01			
Zinc	mg/kg	3.49E+01	2.34E+03									3.89E+01	J	YES		2.98E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03													8.10E-03	J		
Acetone	mg/kg	NA	7.76E+02													8.10E-02	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-74Q-GP30				HR-74Q-GP31				HR-74Q-GP35				HR-74Q-GP46			
			Parcel:	HR-74Q				HR-74Q				HR-74Q				HR-74Q			
			Sample Number:	PJ0043				PJ0045				PJ0050				PJ0063			
			Sample Date:	8-Mar-02				27-Feb-02				27-Feb-02				26-Feb-02			
			Sample Depth (Feet):	3 - 4				2 - 3				2 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00	ND												ND			
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.34E+04			YES									1.98E+04		YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	1.55E+01			YES									6.28E+00	J		YES
Barium	mg/kg	2.34E+02	5.47E+02	3.29E+01												1.49E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	2.81E+00		YES										1.43E+00		YES	
Calcium	mg/kg	6.37E+02	NA	3.29E+02												1.31E+03	J	YES	
Chromium	mg/kg	3.83E+01	2.32E+01	1.39E+01												2.35E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	2.54E+01		YES										6.47E+00			
Copper	mg/kg	1.94E+01	3.13E+02	5.39E+01		YES										1.37E+01			
Iron	mg/kg	4.48E+04	2.34E+03	4.34E+04			YES									2.66E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	8.65E+01	J	YES		1.19E+02		YES		3.01E+01				1.22E+01			
Magnesium	mg/kg	7.66E+02	NA	5.39E+02												1.11E+03	J	YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.89E+02												2.36E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	1.45E-01		YES										ND			
Nickel	mg/kg	1.29E+01	1.54E+02	5.51E+01		YES										1.13E+01			
Potassium	mg/kg	7.11E+02	NA	5.83E+02	J											1.82E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	6.54E-01	J	YES										7.91E-01	J	YES	
Sodium	mg/kg	7.02E+02	NA	4.74E+01	J											6.12E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	4.02E+01												3.11E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.63E+02		YES										3.18E+01	J		
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	ND												ND			
Acetone	mg/kg	NA	7.76E+02	4.20E-02												3.70E-02			

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-74Q-MW01				HR-74Q-MW02				HR-74Q-MW03				HR-74Q-MW04			
			Parcel:	HR-74Q				HR-74Q				HR-74Q				HR-74Q			
			Sample Number:	PJ0065				PJ0067				PJ0069				PJ0072			
			Sample Date:	26-Feb-02				26-Feb-02				28-Feb-02				27-Feb-02			
			Sample Depth (Feet):	2 - 4				2 - 4				2 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
HERBICIDES																			
MCPP	mg/kg	NA	7.77E+00									5.30E-01	J						
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03					1.42E+04		YES	YES	1.65E+04		YES	YES				
Arsenic	mg/kg	1.83E+01	4.26E-01					4.95E+00	J		YES	8.30E+00			YES				
Barium	mg/kg	2.34E+02	5.47E+02					6.45E+01				1.09E+02							
Beryllium	mg/kg	8.60E-01	9.60E+00					4.33E-01	J			1.69E+00		YES					
Calcium	mg/kg	6.37E+02	NA					2.87E+02	J			5.42E+02							
Chromium	mg/kg	3.83E+01	2.32E+01					1.91E+01				4.15E+01	J	YES	YES				
Cobalt	mg/kg	1.75E+01	4.68E+02					7.03E+00				1.10E+01							
Copper	mg/kg	1.94E+01	3.13E+02					1.67E+01				2.89E+01	J	YES					
Iron	mg/kg	4.48E+04	2.34E+03					1.81E+04	J		YES	3.89E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02	9.14E+00				2.62E+01				2.54E+01				4.02E+01		YES	
Magnesium	mg/kg	7.66E+02	NA					6.06E+02	J			8.41E+02		YES					
Manganese	mg/kg	1.36E+03	3.63E+02					1.37E+02	J			6.23E+02			YES				
Mercury	mg/kg	7.00E-02	2.33E+00					3.72E-02	J			ND							
Nickel	mg/kg	1.29E+01	1.54E+02					7.47E+00				1.61E+01		YES					
Potassium	mg/kg	7.11E+02	NA					7.13E+02		YES		9.67E+02	J	YES					
Selenium	mg/kg	4.70E-01	3.91E+01					9.32E-01	J	YES		1.47E+00	B	YES					
Sodium	mg/kg	7.02E+02	NA					4.77E+01	J			7.31E+01	B						
Vanadium	mg/kg	6.49E+01	5.31E+01					2.92E+01				3.72E+01							
Zinc	mg/kg	3.49E+01	2.34E+03					2.40E+01	J			4.39E+01		YES					
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03									1.30E-02	J						
Acetone	mg/kg	NA	7.76E+02									1.10E-01	J						

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-76Q-GP02				HR-76Q-GP06				HR-76Q-GP08			
			Parcel:	HR-76Q				HR-76Q				HR-76Q			
			Sample Number:	PK0003				PK0009				PK0012			
			Sample Date:	9-May-02				9-May-02				9-May-02			
			Sample Depth (Feet):	2 - 3				2 - 3				1 - 2			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03					1.14E+04			YES				
Antimony	mg/kg	1.31E+00	3.11E+00					2.72E+01		YES	YES				
Arsenic	mg/kg	1.83E+01	4.26E-01					4.20E+00			YES				
Barium	mg/kg	2.34E+02	5.47E+02					1.13E+02							
Beryllium	mg/kg	8.60E-01	9.60E+00					6.06E-01	J						
Calcium	mg/kg	6.37E+02	NA					3.45E+02							
Chromium	mg/kg	3.83E+01	2.32E+01					9.90E+00							
Cobalt	mg/kg	1.75E+01	4.68E+02					6.29E+00							
Copper	mg/kg	1.94E+01	3.13E+02					1.16E+02		YES					
Iron	mg/kg	4.48E+04	2.34E+03					1.25E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02	5.93E+02		YES	YES	2.63E+03		YES	YES	6.10E+00			
Magnesium	mg/kg	7.66E+02	NA					5.09E+02							
Manganese	mg/kg	1.36E+03	3.63E+02					4.61E+02			YES				
Nickel	mg/kg	1.29E+01	1.54E+02					4.16E+00							
Potassium	mg/kg	7.11E+02	NA					5.55E+02	J						
Sodium	mg/kg	7.02E+02	NA					6.07E+01	J						
Vanadium	mg/kg	6.49E+01	5.31E+01					1.30E+01							
Zinc	mg/kg	3.49E+01	2.34E+03					4.05E+01	J	YES					
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02					5.30E-02	J						

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP04				HR-79Q-GP12				HR-79Q-GP18			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0072				PL0081				PL0133			
			Sample Date:	9-Apr-02				10-Apr-02				10-Apr-02			
			Sample Depth (Feet):	2 - 4				2 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02	ND											
Endrin	mg/kg	NA	2.32E+00	ND											
alpha-Chlordane	mg/kg	NA	1.69E+00	ND											
gamma-Chlordane	mg/kg	NA	1.69E+00	6.30E-04	J										
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03	1.30E+04			YES								
Antimony	mg/kg	1.31E+00	3.11E+00	ND											
Arsenic	mg/kg	1.83E+01	4.26E-01	3.88E+00			YES								
Barium	mg/kg	2.34E+02	5.47E+02	5.14E+01	J										
Beryllium	mg/kg	8.60E-01	9.60E+00	4.51E-01	J										
Calcium	mg/kg	6.37E+02	NA	2.19E+02											
Chromium	mg/kg	3.83E+01	2.32E+01	1.69E+01	J										
Cobalt	mg/kg	1.75E+01	4.68E+02	3.75E+00	J										
Copper	mg/kg	1.94E+01	3.13E+02	1.36E+01	J										
Iron	mg/kg	4.48E+04	2.34E+03	1.77E+04			YES								
Lead	mg/kg	3.85E+01	4.00E+02	1.37E+01				2.40E+01	J			1.22E+01	J		
Magnesium	mg/kg	7.66E+02	NA	4.95E+02											
Manganese	mg/kg	1.36E+03	3.63E+02	1.34E+02											
Mercury	mg/kg	7.00E-02	2.33E+00	4.77E-02	B										
Nickel	mg/kg	1.29E+01	1.54E+02	5.10E+00											
Potassium	mg/kg	7.11E+02	NA	8.60E+02		YES									
Selenium	mg/kg	4.70E-01	3.91E+01	ND											
Sodium	mg/kg	7.02E+02	NA	4.83E+01	J										
Thallium	mg/kg	1.40E+00	5.08E-01	ND											
Vanadium	mg/kg	6.49E+01	5.31E+01	2.36E+01											
Zinc	mg/kg	3.49E+01	2.34E+03	2.19E+01											
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	4.40E-01											
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	2.70E-01	J										
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	3.10E-01	J										
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	9.60E-01											
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02	4.20E-02	J										
Methylene chloride	mg/kg	NA	8.41E+01	ND											

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP18				HR-79Q-GP20				HR-79Q-GP28			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0089				PL0092				PL0101			
			Sample Date:	10-Apr-02				9-Apr-02				10-Apr-02			
			Sample Depth (Feet):	4 - 6				2 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02					ND							
Endrin	mg/kg	NA	2.32E+00					ND							
alpha-Chlordane	mg/kg	NA	1.69E+00					ND							
gamma-Chlordane	mg/kg	NA	1.69E+00					ND							
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03	1.18E+04			YES	1.56E+04		YES	YES	1.48E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	9.71E+00			YES	9.17E+00			YES	8.16E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.27E+02				6.22E+01	J			4.96E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	8.01E-01	J			1.12E+00	J	YES		ND			
Calcium	mg/kg	6.37E+02	NA	2.22E+02				4.99E+02				3.24E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	1.95E+01				4.48E+01	J	YES	YES	2.59E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	7.25E+00				6.32E+00	J			3.14E+00			
Copper	mg/kg	1.94E+01	3.13E+02	4.64E+01		YES		3.25E+01	J	YES		1.84E+01			
Iron	mg/kg	4.48E+04	2.34E+03	4.24E+04			YES	4.64E+04		YES	YES	3.46E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.92E+01				4.53E+01		YES		1.26E+01	J		
Magnesium	mg/kg	7.66E+02	NA	4.46E+02				5.48E+02				5.98E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	4.00E+02			YES	2.27E+02				5.97E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	4.07E-02	J			4.46E-02	B			7.53E-02	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	8.74E+00				9.34E+00				6.80E+00	J		
Potassium	mg/kg	7.11E+02	NA	1.21E+03		YES		8.22E+02		YES		6.74E+02			
Selenium	mg/kg	4.70E-01	3.91E+01	ND				9.62E-01	J	YES		8.96E-01	J	YES	
Sodium	mg/kg	7.02E+02	NA	2.25E+02				6.06E+01	J			5.88E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	1.46E+00	J	YES	YES	1.76E+00	J	YES	YES	1.00E+00	J		YES
Vanadium	mg/kg	6.49E+01	5.31E+01	3.54E+01				3.37E+01				4.18E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	4.79E+01		YES		5.69E+01		YES		3.22E+01			
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01					ND							
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01					ND							
Di-n-butyl phthalate	mg/kg	NA	7.80E+02					ND							
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02					ND							
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02					7.20E-02	J						
Methylene chloride	mg/kg	NA	8.41E+01					ND							

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP28				HR-79Q-GP31				HR-79Q-GP31			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0102				PL0129				PL0134			
			Sample Date:	10-Apr-02				10-Apr-02				10-Apr-02			
			Sample Depth (Feet):	4 - 6				2 - 4				4 - 6			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03	1.47E+04		YES	YES								
Antimony	mg/kg	1.31E+00	3.11E+00	ND											
Arsenic	mg/kg	1.83E+01	4.26E-01	7.96E+00			YES								
Barium	mg/kg	2.34E+02	5.47E+02	3.45E+01											
Beryllium	mg/kg	8.60E-01	9.60E+00	ND											
Calcium	mg/kg	6.37E+02	NA	1.92E+02											
Chromium	mg/kg	3.83E+01	2.32E+01	2.50E+01			YES								
Cobalt	mg/kg	1.75E+01	4.68E+02	3.55E+00											
Copper	mg/kg	1.94E+01	3.13E+02	2.71E+01		YES									
Iron	mg/kg	4.48E+04	2.34E+03	4.54E+04		YES	YES								
Lead	mg/kg	3.85E+01	4.00E+02	1.44E+01	J			1.07E+01	J			1.16E+01	J		
Magnesium	mg/kg	7.66E+02	NA	4.38E+02											
Manganese	mg/kg	1.36E+03	3.63E+02	3.86E+01											
Mercury	mg/kg	7.00E-02	2.33E+00	1.65E-01		YES									
Nickel	mg/kg	1.29E+01	1.54E+02	8.88E+00	J										
Potassium	mg/kg	7.11E+02	NA	8.44E+02		YES									
Selenium	mg/kg	4.70E-01	3.91E+01	1.16E+00	J	YES									
Sodium	mg/kg	7.02E+02	NA	6.68E+01	J										
Thallium	mg/kg	1.40E+00	5.08E-01	1.52E+00	J	YES	YES								
Vanadium	mg/kg	6.49E+01	5.31E+01	5.25E+01											
Zinc	mg/kg	3.49E+01	2.34E+03	4.38E+01		YES									
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP32				HR-79Q-GP32				HR-79Q-GP35			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0130				PL0135				PL0132			
			Sample Date:	10-Apr-02				10-Apr-02				10-Apr-02			
			Sample Depth (Feet):	2 - 4				4 - 6				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03												
Antimony	mg/kg	1.31E+00	3.11E+00												
Arsenic	mg/kg	1.83E+01	4.26E-01												
Barium	mg/kg	2.34E+02	5.47E+02												
Beryllium	mg/kg	8.60E-01	9.60E+00												
Calcium	mg/kg	6.37E+02	NA												
Chromium	mg/kg	3.83E+01	2.32E+01												
Cobalt	mg/kg	1.75E+01	4.68E+02												
Copper	mg/kg	1.94E+01	3.13E+02												
Iron	mg/kg	4.48E+04	2.34E+03												
Lead	mg/kg	3.85E+01	4.00E+02	5.22E+00	J			2.00E+01	J			1.12E+01	J		
Magnesium	mg/kg	7.66E+02	NA												
Manganese	mg/kg	1.36E+03	3.63E+02												
Mercury	mg/kg	7.00E-02	2.33E+00												
Nickel	mg/kg	1.29E+01	1.54E+02												
Potassium	mg/kg	7.11E+02	NA												
Selenium	mg/kg	4.70E-01	3.91E+01												
Sodium	mg/kg	7.02E+02	NA												
Thallium	mg/kg	1.40E+00	5.08E-01												
Vanadium	mg/kg	6.49E+01	5.31E+01												
Zinc	mg/kg	3.49E+01	2.34E+03												
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP35				HR-79Q-GP38				HR-79Q-GP40			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0136				PL0140				PL0144			
			Sample Date:	10-Apr-02				28-Aug-02				28-Aug-02			
			Sample Depth (Feet):	4 - 6				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03												
Antimony	mg/kg	1.31E+00	3.11E+00												
Arsenic	mg/kg	1.83E+01	4.26E-01												
Barium	mg/kg	2.34E+02	5.47E+02												
Beryllium	mg/kg	8.60E-01	9.60E+00												
Calcium	mg/kg	6.37E+02	NA												
Chromium	mg/kg	3.83E+01	2.32E+01												
Cobalt	mg/kg	1.75E+01	4.68E+02												
Copper	mg/kg	1.94E+01	3.13E+02												
Iron	mg/kg	4.48E+04	2.34E+03												
Lead	mg/kg	3.85E+01	4.00E+02	1.44E+01	J										
Magnesium	mg/kg	7.66E+02	NA												
Manganese	mg/kg	1.36E+03	3.63E+02												
Mercury	mg/kg	7.00E-02	2.33E+00												
Nickel	mg/kg	1.29E+01	1.54E+02												
Potassium	mg/kg	7.11E+02	NA												
Selenium	mg/kg	4.70E-01	3.91E+01												
Sodium	mg/kg	7.02E+02	NA												
Thallium	mg/kg	1.40E+00	5.08E-01												
Vanadium	mg/kg	6.49E+01	5.31E+01												
Zinc	mg/kg	3.49E+01	2.34E+03												
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01					ND				ND			
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP41				HR-79Q-GP42				HR-79Q-GP43			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0146				PL0148				PL0150			
			Sample Date:	28-Aug-02				27-Aug-02				27-Aug-02			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03												
Antimony	mg/kg	1.31E+00	3.11E+00												
Arsenic	mg/kg	1.83E+01	4.26E-01												
Barium	mg/kg	2.34E+02	5.47E+02												
Beryllium	mg/kg	8.60E-01	9.60E+00												
Calcium	mg/kg	6.37E+02	NA												
Chromium	mg/kg	3.83E+01	2.32E+01												
Cobalt	mg/kg	1.75E+01	4.68E+02												
Copper	mg/kg	1.94E+01	3.13E+02												
Iron	mg/kg	4.48E+04	2.34E+03												
Lead	mg/kg	3.85E+01	4.00E+02												
Magnesium	mg/kg	7.66E+02	NA												
Manganese	mg/kg	1.36E+03	3.63E+02												
Mercury	mg/kg	7.00E-02	2.33E+00												
Nickel	mg/kg	1.29E+01	1.54E+02												
Potassium	mg/kg	7.11E+02	NA												
Selenium	mg/kg	4.70E-01	3.91E+01												
Sodium	mg/kg	7.02E+02	NA												
Thallium	mg/kg	1.40E+00	5.08E-01												
Vanadium	mg/kg	6.49E+01	5.31E+01												
Zinc	mg/kg	3.49E+01	2.34E+03												
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND			
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP44				HR-79Q-GP45				HR-79Q-GP46			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0152				PL0154				PL0156			
			Sample Date:	27-Aug-02				18-Sep-02				27-Aug-02			
			Sample Depth (Feet):	3 - 4				2 - 3				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03												
Antimony	mg/kg	1.31E+00	3.11E+00												
Arsenic	mg/kg	1.83E+01	4.26E-01												
Barium	mg/kg	2.34E+02	5.47E+02												
Beryllium	mg/kg	8.60E-01	9.60E+00												
Calcium	mg/kg	6.37E+02	NA												
Chromium	mg/kg	3.83E+01	2.32E+01												
Cobalt	mg/kg	1.75E+01	4.68E+02												
Copper	mg/kg	1.94E+01	3.13E+02												
Iron	mg/kg	4.48E+04	2.34E+03												
Lead	mg/kg	3.85E+01	4.00E+02												
Magnesium	mg/kg	7.66E+02	NA												
Manganese	mg/kg	1.36E+03	3.63E+02												
Mercury	mg/kg	7.00E-02	2.33E+00												
Nickel	mg/kg	1.29E+01	1.54E+02												
Potassium	mg/kg	7.11E+02	NA												
Selenium	mg/kg	4.70E-01	3.91E+01												
Sodium	mg/kg	7.02E+02	NA												
Thallium	mg/kg	1.40E+00	5.08E-01												
Vanadium	mg/kg	6.49E+01	5.31E+01												
Zinc	mg/kg	3.49E+01	2.34E+03												
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND				ND			
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-GP47				HR-79Q-MW01				HR-79Q-MW02			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0158				PL0110				PL0113			
			Sample Date:	27-Aug-02				9-Apr-02				9-Apr-02			
			Sample Depth (Feet):	3 - 4				2 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02					2.60E-03	J						
Endrin	mg/kg	NA	2.32E+00					4.10E-03	J						
alpha-Chlordane	mg/kg	NA	1.69E+00					4.20E-04	J						
gamma-Chlordane	mg/kg	NA	1.69E+00					1.90E-02							
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03					1.14E+04			YES				
Antimony	mg/kg	1.31E+00	3.11E+00					4.74E+00	J	YES	YES				
Arsenic	mg/kg	1.83E+01	4.26E-01					1.74E+01			YES				
Barium	mg/kg	2.34E+02	5.47E+02					1.55E+02	J						
Beryllium	mg/kg	8.60E-01	9.60E+00					9.50E-01	J	YES					
Calcium	mg/kg	6.37E+02	NA					1.11E+03		YES					
Chromium	mg/kg	3.83E+01	2.32E+01					2.48E+01	J		YES				
Cobalt	mg/kg	1.75E+01	4.68E+02					1.52E+01	J						
Copper	mg/kg	1.94E+01	3.13E+02					7.31E+01	J	YES					
Iron	mg/kg	4.48E+04	2.34E+03					3.13E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02					2.30E+03		YES	YES	1.16E+01	J		
Magnesium	mg/kg	7.66E+02	NA					7.56E+02							
Manganese	mg/kg	1.36E+03	3.63E+02					1.61E+03	J	YES	YES				
Mercury	mg/kg	7.00E-02	2.33E+00					6.51E-02	J						
Nickel	mg/kg	1.29E+01	1.54E+02					1.28E+01							
Potassium	mg/kg	7.11E+02	NA					7.41E+02		YES					
Selenium	mg/kg	4.70E-01	3.91E+01					ND							
Sodium	mg/kg	7.02E+02	NA					5.35E+01	J						
Thallium	mg/kg	1.40E+00	5.08E-01					ND							
Vanadium	mg/kg	6.49E+01	5.31E+01					3.09E+01							
Zinc	mg/kg	3.49E+01	2.34E+03					4.81E+01		YES					
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND				ND							
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01					ND							
Di-n-butyl phthalate	mg/kg	NA	7.80E+02					ND							
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02					ND							
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02					1.10E-01	J						
Methylene chloride	mg/kg	NA	8.41E+01					1.70E-03	B						

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-MW03				HR-79Q-MW04				HR-79Q-SB01			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0115				PL0118				PL0002			
			Sample Date:	9-Apr-02				10-Apr-02				11-Mar-02			
			Sample Depth (Feet):	3 - 4				2 - 4				2 - 3			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03					7.29E+03							
Antimony	mg/kg	1.31E+00	3.11E+00					ND							
Arsenic	mg/kg	1.83E+01	4.26E-01					2.13E+00			YES				
Barium	mg/kg	2.34E+02	5.47E+02					1.12E+02							
Beryllium	mg/kg	8.60E-01	9.60E+00					1.27E+00		YES					
Calcium	mg/kg	6.37E+02	NA					1.04E+03		YES					
Chromium	mg/kg	3.83E+01	2.32E+01					7.06E+00							
Cobalt	mg/kg	1.75E+01	4.68E+02					5.22E+00							
Copper	mg/kg	1.94E+01	3.13E+02					5.85E+00							
Iron	mg/kg	4.48E+04	2.34E+03					6.98E+03			YES				
Lead	mg/kg	3.85E+01	4.00E+02	6.40E+00	J			1.58E+01	J			6.34E+02	J	YES	YES
Magnesium	mg/kg	7.66E+02	NA					2.81E+02							
Manganese	mg/kg	1.36E+03	3.63E+02					1.47E+03		YES	YES				
Mercury	mg/kg	7.00E-02	2.33E+00					3.40E-02	J						
Nickel	mg/kg	1.29E+01	1.54E+02					4.28E+00	J						
Potassium	mg/kg	7.11E+02	NA					1.72E+02	J						
Selenium	mg/kg	4.70E-01	3.91E+01					6.32E-01	J	YES					
Sodium	mg/kg	7.02E+02	NA					4.82E+01	J						
Thallium	mg/kg	1.40E+00	5.08E-01					ND							
Vanadium	mg/kg	6.49E+01	5.31E+01					1.07E+01							
Zinc	mg/kg	3.49E+01	2.34E+03					1.00E+01							
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-SB02				HR-79Q-SB03				HR-79Q-SB04			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0009				PL0016				PL0022			
			Sample Date:	13-Mar-02				13-Mar-02				13-Mar-02			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02	ND											
Endrin	mg/kg	NA	2.32E+00	ND											
alpha-Chlordane	mg/kg	NA	1.69E+00	ND											
gamma-Chlordane	mg/kg	NA	1.69E+00	ND											
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03	1.77E+04		YES	YES	8.48E+03			YES				
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND							
Arsenic	mg/kg	1.83E+01	4.26E-01	4.63E+00			YES	3.70E+00			YES				
Barium	mg/kg	2.34E+02	5.47E+02	9.99E+01				9.46E+01							
Beryllium	mg/kg	8.60E-01	9.60E+00	7.01E-01	J			8.54E-01	J						
Calcium	mg/kg	6.37E+02	NA	7.79E+02		YES		7.21E+02		YES					
Chromium	mg/kg	3.83E+01	2.32E+01	1.44E+01				3.68E+01			YES				
Cobalt	mg/kg	1.75E+01	4.68E+02	1.05E+01				9.17E+00							
Copper	mg/kg	1.94E+01	3.13E+02	1.52E+01				2.68E+01		YES					
Iron	mg/kg	4.48E+04	2.34E+03	1.76E+04			YES	1.61E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02	1.23E+02		YES		7.22E+01		YES		8.79E+02		YES	YES
Magnesium	mg/kg	7.66E+02	NA	7.48E+02				3.08E+02							
Manganese	mg/kg	1.36E+03	3.63E+02	4.59E+02			YES	1.09E+03			YES				
Mercury	mg/kg	7.00E-02	2.33E+00	6.64E-02	J			3.55E-02	J						
Nickel	mg/kg	1.29E+01	1.54E+02	1.08E+01				5.86E+00							
Potassium	mg/kg	7.11E+02	NA	6.36E+02				3.27E+02	J						
Selenium	mg/kg	4.70E-01	3.91E+01	6.13E-01	J	YES		7.01E-01	J	YES					
Sodium	mg/kg	7.02E+02	NA	1.36E+02				1.42E+02							
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND							
Vanadium	mg/kg	6.49E+01	5.31E+01	2.72E+01				1.88E+01							
Zinc	mg/kg	3.49E+01	2.34E+03	2.90E+01				1.91E+01							
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND											
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01	ND											
Di-n-butyl phthalate	mg/kg	NA	7.80E+02	ND											
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02	ND											
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02	8.60E-02	J										
Methylene chloride	mg/kg	NA	8.41E+01	1.40E-03	B										

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-SB05				HR-79Q-SB06				HR-79Q-SB07			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0028				PL0035				PL0041			
			Sample Date:	13-Mar-02				14-Mar-02				14-Mar-02			
			Sample Depth (Feet):	2 - 3				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03												
Antimony	mg/kg	1.31E+00	3.11E+00												
Arsenic	mg/kg	1.83E+01	4.26E-01												
Barium	mg/kg	2.34E+02	5.47E+02												
Beryllium	mg/kg	8.60E-01	9.60E+00												
Calcium	mg/kg	6.37E+02	NA												
Chromium	mg/kg	3.83E+01	2.32E+01												
Cobalt	mg/kg	1.75E+01	4.68E+02												
Copper	mg/kg	1.94E+01	3.13E+02												
Iron	mg/kg	4.48E+04	2.34E+03												
Lead	mg/kg	3.85E+01	4.00E+02	3.74E+02	J	YES		2.81E+01				1.04E+03	J	YES	YES
Magnesium	mg/kg	7.66E+02	NA												
Manganese	mg/kg	1.36E+03	3.63E+02												
Mercury	mg/kg	7.00E-02	2.33E+00												
Nickel	mg/kg	1.29E+01	1.54E+02												
Potassium	mg/kg	7.11E+02	NA												
Selenium	mg/kg	4.70E-01	3.91E+01												
Sodium	mg/kg	7.02E+02	NA												
Thallium	mg/kg	1.40E+00	5.08E-01												
Vanadium	mg/kg	6.49E+01	5.31E+01												
Zinc	mg/kg	3.49E+01	2.34E+03												
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-SB08				HR-79Q-SB09				HR-79Q-SB10			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample Number:	PL0048				PL0054				PL0061			
			Sample Date:	15-Mar-02				14-Mar-02				18-Mar-02			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
Dieldrin	mg/kg	NA	3.88E-02												
Endrin	mg/kg	NA	2.32E+00												
alpha-Chlordane	mg/kg	NA	1.69E+00												
gamma-Chlordane	mg/kg	NA	1.69E+00												
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03												
Antimony	mg/kg	1.31E+00	3.11E+00												
Arsenic	mg/kg	1.83E+01	4.26E-01												
Barium	mg/kg	2.34E+02	5.47E+02												
Beryllium	mg/kg	8.60E-01	9.60E+00												
Calcium	mg/kg	6.37E+02	NA												
Chromium	mg/kg	3.83E+01	2.32E+01												
Cobalt	mg/kg	1.75E+01	4.68E+02												
Copper	mg/kg	1.94E+01	3.13E+02												
Iron	mg/kg	4.48E+04	2.34E+03												
Lead	mg/kg	3.85E+01	4.00E+02	6.44E+01	J	YES		2.49E+01	J			3.04E+01	J		
Magnesium	mg/kg	7.66E+02	NA												
Manganese	mg/kg	1.36E+03	3.63E+02												
Mercury	mg/kg	7.00E-02	2.33E+00												
Nickel	mg/kg	1.29E+01	1.54E+02												
Potassium	mg/kg	7.11E+02	NA												
Selenium	mg/kg	4.70E-01	3.91E+01												
Sodium	mg/kg	7.02E+02	NA												
Thallium	mg/kg	1.40E+00	5.08E-01												
Vanadium	mg/kg	6.49E+01	5.31E+01												
Zinc	mg/kg	3.49E+01	2.34E+03												
NITROAROMATICS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
SEMIVOLATILE ORGANIC COMPOUNDS															
2,4-Dinitrotoluene	mg/kg	NA	9.27E-01												
Di-n-butyl phthalate	mg/kg	NA	7.80E+02												
N-Nitrosodiphenylamine	mg/kg	NA	1.29E+02												
VOLATILE ORGANIC COMPOUNDS															
Acetone	mg/kg	NA	7.76E+02												
Methylene chloride	mg/kg	NA	8.41E+01												

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-84Q-GP07				HR-84Q-GP08				HR-84Q-GP14				HR-84Q-GP15			
			Parcel:	HR-84Q				HR-84Q				HR-84Q				HR-84Q			
			Sample Number:	PM0042				PM0044				PM0051				PM0053			
			Sample Date:	8-Apr-02				8-Apr-02				9-Apr-02				9-Apr-02			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	5.69E+03								1.26E+04			YES	1.20E+04			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND								5.28E+00	J	YES	YES	ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	2.74E+00			YES					6.49E+00			YES	5.18E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	3.97E+01	J							4.43E+01	J			3.60E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	5.58E-01	J							ND				1.04E+00	J	YES	
Calcium	mg/kg	6.37E+02	NA	1.70E+02								5.62E+01	J			3.59E+01	J		
Chromium	mg/kg	3.83E+01	2.32E+01	1.09E+01								1.73E+01				1.38E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	6.22E+00								2.43E+00	J			1.42E+00	J		
Copper	mg/kg	1.94E+01	3.13E+02	9.30E+00								3.04E+01		YES		5.21E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.25E+04			YES					3.85E+04			YES	2.94E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	9.55E+00				4.36E+00				2.28E+01				6.55E+01		YES	
Magnesium	mg/kg	7.66E+02	NA	2.70E+02								4.13E+02				3.44E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	1.36E+02	J							6.19E+01	J			1.83E+01	J		
Mercury	mg/kg	7.00E-02	2.33E+00	5.03E-02	J							3.91E-02	J			6.51E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	5.03E+00								3.67E+00				4.54E+00			
Potassium	mg/kg	7.11E+02	NA	1.04E+03		YES						8.30E+02		YES		1.00E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	7.21E-01	J	YES						1.23E+00	J	YES		1.35E+00		YES	
Sodium	mg/kg	7.02E+02	NA	4.21E+01	J							4.68E+01	J			5.46E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND								1.03E+00	B		YES	ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	1.16E+01								3.68E+01				2.57E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.63E+01								3.50E+01		YES		3.59E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02													2.00E-02	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-84Q-GP32				HR-84Q-MW01				HR-84Q-MW02				HR-84Q-MW03			
			Parcel:	HR-84Q				HR-84Q				HR-84Q				HR-84Q			
			Sample Number:	PM0073				PM0076				PM0078				PM0080			
			Sample Date:	8-Apr-02				8-Apr-02				9-Apr-02				8-Apr-02			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03									1.09E+04			YES	1.03E+04			YES
Antimony	mg/kg	1.31E+00	3.11E+00									ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01									3.45E+00			YES	3.16E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02									3.54E+01	J			4.70E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00									ND				4.47E-01	J		
Calcium	mg/kg	6.37E+02	NA									7.86E+01	J			1.08E+02	J		
Chromium	mg/kg	3.83E+01	2.32E+01									1.08E+01				7.03E+00			
Cobalt	mg/kg	1.75E+01	4.68E+02									2.56E+00				3.44E+00			
Copper	mg/kg	1.94E+01	3.13E+02									1.11E+01				7.17E+00			
Iron	mg/kg	4.48E+04	2.34E+03									1.94E+04			YES	1.47E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	9.06E+00				2.22E+01				6.61E+00				6.29E+00			
Magnesium	mg/kg	7.66E+02	NA									3.95E+02				4.64E+02			
Manganese	mg/kg	1.36E+03	3.63E+02									1.09E+01	J			3.78E+01	J		
Mercury	mg/kg	7.00E-02	2.33E+00									6.95E-02	J			2.97E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02									3.02E+00				4.98E+00			
Potassium	mg/kg	7.11E+02	NA									1.18E+03		YES		1.56E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01									5.56E-01	J	YES		5.53E-01	J	YES	
Sodium	mg/kg	7.02E+02	NA									4.11E+01	J			4.33E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01									ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01									1.75E+01				1.25E+01			
Zinc	mg/kg	3.49E+01	2.34E+03									1.29E+01				1.63E+01			
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02									3.00E-02	J						

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-84Q-MW04				HR-84Q-SB01				HR-84Q-SB02				HR-84Q-SB03			
			Parcel:	HR-84Q				HR-84Q				HR-84Q				HR-84Q			
			Sample Number:	PM0083				PM0002				PM0009				PM0015			
			Sample Date:	8-Apr-02				6-Jun-02				23-May-02				23-May-02			
			Sample Depth (Feet):	3 - 4				2.4- 3.4				2 - 3				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03									5.18E+03							
Antimony	mg/kg	1.31E+00	3.11E+00									ND							
Arsenic	mg/kg	1.83E+01	4.26E-01									2.46E+00	J		YES				
Barium	mg/kg	2.34E+02	5.47E+02									4.90E+01							
Beryllium	mg/kg	8.60E-01	9.60E+00									3.89E-01	J						
Calcium	mg/kg	6.37E+02	NA									1.78E+02							
Chromium	mg/kg	3.83E+01	2.32E+01									5.14E+00							
Cobalt	mg/kg	1.75E+01	4.68E+02									8.40E+00							
Copper	mg/kg	1.94E+01	3.13E+02									3.59E+00							
Iron	mg/kg	4.48E+04	2.34E+03									1.03E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02	2.72E+00				1.56E+01	J			2.07E+01				1.53E+01	J		
Magnesium	mg/kg	7.66E+02	NA									1.52E+02							
Manganese	mg/kg	1.36E+03	3.63E+02									3.85E+02			YES				
Mercury	mg/kg	7.00E-02	2.33E+00									3.35E-02	J						
Nickel	mg/kg	1.29E+01	1.54E+02									1.45E+00	J						
Potassium	mg/kg	7.11E+02	NA									6.11E+02							
Selenium	mg/kg	4.70E-01	3.91E+01									ND							
Sodium	mg/kg	7.02E+02	NA									ND							
Thallium	mg/kg	1.40E+00	5.08E-01									ND							
Vanadium	mg/kg	6.49E+01	5.31E+01									8.98E+00							
Zinc	mg/kg	3.49E+01	2.34E+03									4.42E+00							
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02									1.80E-01	J						

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 26, Parcel 84Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-84Q-SB04				HR-84Q-SB05			
			Parcel:	HR-84Q				HR-84Q			
			Sample Number:	PM0022				PM0028			
			Sample Date:	23-May-02				23-May-02			
			Sample Depth (Feet):	2 - 3				2 - 3			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS											
Aluminum	mg/kg	1.36E+04	7.80E+03	5.52E+03							
Antimony	mg/kg	1.31E+00	3.11E+00	ND							
Arsenic	mg/kg	1.83E+01	4.26E-01	1.55E+00	J		YES				
Barium	mg/kg	2.34E+02	5.47E+02	2.84E+01							
Beryllium	mg/kg	8.60E-01	9.60E+00	ND							
Calcium	mg/kg	6.37E+02	NA	6.91E+02		YES					
Chromium	mg/kg	3.83E+01	2.32E+01	7.46E+00							
Cobalt	mg/kg	1.75E+01	4.68E+02	ND							
Copper	mg/kg	1.94E+01	3.13E+02	1.36E+01							
Iron	mg/kg	4.48E+04	2.34E+03	1.23E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02	5.44E+01		YES		1.48E+02	J	YES	
Magnesium	mg/kg	7.66E+02	NA	2.06E+02							
Manganese	mg/kg	1.36E+03	3.63E+02	3.33E+01							
Mercury	mg/kg	7.00E-02	2.33E+00	1.23E-01		YES					
Nickel	mg/kg	1.29E+01	1.54E+02	1.32E+00	J						
Potassium	mg/kg	7.11E+02	NA	6.44E+02							
Selenium	mg/kg	4.70E-01	3.91E+01	ND							
Sodium	mg/kg	7.02E+02	NA	ND							
Thallium	mg/kg	1.40E+00	5.08E-01	ND							
Vanadium	mg/kg	6.49E+01	5.31E+01	1.49E+01							
Zinc	mg/kg	3.49E+01	2.34E+03	5.06E+00							
VOLATILE ORGANIC COMPOUNDS											
Acetone	mg/kg	NA	7.76E+02								

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP01				HR-83Q-GP02				HR-83Q-GP03				HR-83Q-GP04			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0002				NN0004				NN0007				NN0009			
			Sample Date:	9-Nov-01				22-Oct-01				22-Oct-01				9-Nov-01			
			Sample Depth (Feet):	3 - 4				2 - 3				2 - 3				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01	ND												2.40E-03	J		
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.13E+04			YES	1.40E+04		YES	YES	1.35E+04			YES	2.36E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	6.57E+00			YES	5.88E+00			YES	4.54E+00			YES	5.68E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	6.95E+01	J			1.58E+02				8.47E+01				2.14E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	8.80E-01	J	YES		1.38E+00		YES		5.52E-01	J			2.07E+00		YES	
Calcium	mg/kg	6.37E+02	NA	6.28E+02	J			7.72E+02		YES		4.69E+02				6.92E+02	J	YES	
Chromium	mg/kg	3.83E+01	2.32E+01	1.51E+01	J			1.88E+01				1.19E+01				2.66E+01	J		YES
Cobalt	mg/kg	1.75E+01	4.68E+02	9.29E+00				1.49E+01				3.63E+00				2.02E+01		YES	
Copper	mg/kg	1.94E+01	3.13E+02	1.73E+01				1.52E+01				8.33E+00				3.82E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.81E+04	J		YES	3.75E+04			YES	1.34E+04			YES	5.03E+04	J	YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	1.24E+01	J			1.35E+01				1.60E+01				2.14E+01	J		
Magnesium	mg/kg	7.66E+02	NA	6.53E+02	J			7.66E+02				7.84E+02		YES		2.63E+03	J	YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.28E+02				8.74E+02	J		YES	3.23E+02	J			1.26E+03			YES
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				ND				ND			
Nickel	mg/kg	1.29E+01	1.54E+02	9.66E+00	J			1.44E+01		YES		6.69E+00				3.51E+01	J	YES	
Potassium	mg/kg	7.11E+02	NA	1.37E+03		YES		2.47E+03		YES		8.67E+02		YES		9.79E+02		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	8.72E-01	J	YES		ND				ND				9.34E-01	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	1.80E+00	J	YES		1.80E+00	J	YES		ND				ND			
Sodium	mg/kg	7.02E+02	NA	ND				3.97E+01	J			3.83E+01	J			5.92E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	2.34E+01				2.34E+01				2.19E+01				2.66E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	2.67E+01				3.41E+01	J			2.43E+01	J			7.01E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	4.60E-03	J											2.80E-03	J		
Acetone	mg/kg	NA	7.76E+02	3.40E-02	J											5.20E-02			

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP05				HR-83Q-GP06				HR-83Q-GP07				HR-83Q-GP08			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0011				NN0013				NN0015				NN0017			
			Sample Date:	9-Nov-01				23-Oct-01				23-Oct-01				9-Nov-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01	ND															
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.37E+04		YES	YES	1.65E+04		YES	YES	3.28E+04		YES	YES	9.48E+03			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.07E+01			YES	2.17E+00			YES	4.93E+00			YES	3.14E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	2.78E+02	J	YES		8.28E+01				1.66E+02				5.36E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	9.03E-01	J	YES		4.57E-01	J			1.12E+00	J	YES		6.95E-01	J		
Calcium	mg/kg	6.37E+02	NA	4.31E+02	J			3.17E+02				9.03E+02		YES		4.20E+02	J		
Chromium	mg/kg	3.83E+01	2.32E+01	1.87E+01	J			1.08E+01				2.41E+01			YES	1.07E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	2.35E+01		YES		2.69E+00				1.23E+01				6.64E+00			
Copper	mg/kg	1.94E+01	3.13E+02	2.08E+01		YES		9.64E+00				1.65E+01				1.30E+01			
Iron	mg/kg	4.48E+04	2.34E+03	3.68E+04	J		YES	1.34E+04			YES	2.29E+04			YES	2.19E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	1.46E+01	J			7.16E+00				1.46E+01				6.54E+00	J		
Magnesium	mg/kg	7.66E+02	NA	5.75E+02	J			8.82E+02		YES		1.49E+03		YES		4.80E+02	J		
Manganese	mg/kg	1.36E+03	3.63E+02	2.60E+03		YES	YES	4.86E+01	J			9.83E+02	J		YES	2.04E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	3.00E-02	J			ND				ND				ND			
Nickel	mg/kg	1.29E+01	1.54E+02	1.55E+01	J	YES		7.08E+00				1.78E+01		YES		5.67E+00	J		
Potassium	mg/kg	7.11E+02	NA	9.49E+02		YES		1.89E+03		YES		2.28E+03		YES		1.10E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	7.82E-01	J	YES		ND				ND				ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				1.33E+00	J	YES		ND			
Sodium	mg/kg	7.02E+02	NA	2.05E+01	J			3.65E+01	J			5.13E+01	J			ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	2.80E+01				1.87E+01				4.06E+01				1.54E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	3.73E+01		YES		2.18E+01	J			4.96E+01	J	YES		1.98E+01			
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.10E-03	J														
Acetone	mg/kg	NA	7.76E+02	1.10E-01	J														

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP09				HR-83Q-GP10				HR-83Q-GP11				HR-83Q-GP12			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0020				NN0022				NN0024				NN0026			
			Sample Date:	9-Nov-01				24-Oct-01				24-Oct-01				24-Oct-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01					ND											
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.45E+04		YES	YES	3.04E+04		YES	YES	2.32E+04		YES	YES	2.14E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	5.99E+00			YES	9.49E+00			YES	5.83E+00			YES	1.20E+01			YES
Barium	mg/kg	2.34E+02	5.47E+02	2.39E+02	J	YES		2.79E+02		YES		1.62E+02				8.34E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	1.52E+00		YES		1.79E+00		YES		1.37E+00		YES		1.14E+00	J	YES	
Calcium	mg/kg	6.37E+02	NA	8.99E+02	J	YES		2.25E+03		YES		1.22E+03		YES		1.25E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	1.66E+01	J			2.50E+01	J		YES	2.22E+01	J			1.91E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	2.18E+01		YES		1.35E+01	J			8.71E+00	J			5.18E+01	J	YES	
Copper	mg/kg	1.94E+01	3.13E+02	1.75E+01				1.25E+01				1.11E+01				2.44E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.56E+04	J		YES	4.19E+04			YES	2.74E+04			YES	4.21E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.37E+01	J			1.58E+01	J			1.03E+01	J			1.23E+01	J		
Magnesium	mg/kg	7.66E+02	NA	8.62E+02	J	YES		1.71E+03		YES		1.19E+03		YES		1.56E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.14E+03		YES	YES	8.41E+02			YES	5.38E+02			YES	3.94E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				4.87E-02	J			3.58E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	1.53E+01	J	YES		2.09E+01	J	YES		1.97E+01	J	YES		2.08E+01	J	YES	
Potassium	mg/kg	7.11E+02	NA	1.52E+03		YES		2.18E+03		YES		1.33E+03		YES		1.50E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	5.51E-01	J	YES		ND				ND				ND			
Silver	mg/kg	2.40E-01	3.91E+01	1.25E+00	J	YES		1.50E+00	J	YES		1.53E+00	J	YES		1.29E+00	J	YES	
Sodium	mg/kg	7.02E+02	NA	ND				5.65E+01	J			5.58E+01	J			5.85E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	2.46E+01				4.63E+01	J			3.26E+01	J			3.27E+01	J		
Zinc	mg/kg	3.49E+01	2.34E+03	3.43E+01				4.27E+01		YES		4.17E+01		YES		4.81E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03					1.60E-02	J										
Acetone	mg/kg	NA	7.76E+02					1.80E-01											

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP13				HR-83Q-GP14				HR-83Q-GP15				HR-83Q-GP16			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0028				NN0030				NN0032				NN0034			
			Sample Date:	7-Nov-01				7-Nov-01				7-Nov-01				7-Nov-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01																
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.27E+04		YES	YES	2.24E+04		YES	YES	3.23E+04		YES	YES	3.48E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				7.15E+00	J	YES	YES	ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	9.49E+00	J		YES	8.01E+00	J		YES	1.60E+01	J		YES	1.87E+01	J	YES	YES
Barium	mg/kg	2.34E+02	5.47E+02	1.48E+02	J			1.66E+02	J			1.38E+02	J			3.38E+02	J	YES	
Beryllium	mg/kg	8.60E-01	9.60E+00	1.37E+00		YES		1.40E+00		YES		2.77E+00		YES		1.69E+00		YES	
Calcium	mg/kg	6.37E+02	NA	2.03E+03		YES		1.72E+03		YES		3.16E+03		YES		7.74E+02		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	2.24E+01				2.96E+01			YES	1.91E+01				3.12E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	8.34E+00				1.14E+01				1.68E+01				3.97E+01		YES	
Copper	mg/kg	1.94E+01	3.13E+02	1.41E+01	J			1.23E+01	J			2.31E+01	J	YES		4.35E+01	J	YES	
Iron	mg/kg	4.48E+04	2.34E+03	3.19E+04			YES	2.96E+04			YES	6.86E+04		YES	YES	4.44E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.08E+01	J			1.01E+01	J			3.49E+01	J			4.80E+01	J	YES	
Magnesium	mg/kg	7.66E+02	NA	1.23E+03		YES		1.28E+03		YES		2.83E+03		YES		2.18E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	3.02E+02				5.98E+02			YES	2.26E+02				4.69E+03		YES	YES
Mercury	mg/kg	7.00E-02	2.33E+00	5.15E-02	J			ND				3.28E-02	J			4.84E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	1.74E+01		YES		1.87E+01		YES		4.34E+01		YES		2.91E+01		YES	
Potassium	mg/kg	7.11E+02	NA	1.52E+03		YES		1.83E+03		YES		1.65E+03		YES		1.73E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	ND				ND				ND				ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	6.03E+01	J			6.07E+01	J			1.15E+02	J			5.83E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	3.24E+01				3.44E+01				4.72E+01				6.81E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	3.68E+01		YES		3.73E+01		YES		7.91E+01		YES		7.17E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03																
Acetone	mg/kg	NA	7.76E+02																

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP17				HR-83Q-GP18				HR-83Q-GP19				HR-83Q-GP20			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0036				NN0039				NN0041				NN0043			
			Sample Date:	7-Nov-01				9-Nov-01				7-Nov-01				7-Nov-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01					ND											
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	3.57E+04		YES	YES	4.58E+04		YES	YES	1.94E+04		YES	YES	3.43E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.05E+01	J		YES	1.53E+01			YES	3.70E+00	J		YES	6.37E+00	J		YES
Barium	mg/kg	2.34E+02	5.47E+02	2.08E+02	J			2.20E+02	J			2.98E+02	J	YES		1.75E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	1.44E+00		YES		2.29E+00		YES		1.87E+00		YES		1.37E+00		YES	
Calcium	mg/kg	6.37E+02	NA	2.21E+03		YES		3.10E+03	J	YES		1.31E+03		YES		2.50E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	3.06E+01			YES	4.21E+01	J	YES	YES	1.88E+01				2.98E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	9.37E+00				1.19E+01				1.88E+01		YES		4.73E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.66E+01	J			2.32E+01		YES		9.59E+00	J			1.54E+01	J		
Iron	mg/kg	4.48E+04	2.34E+03	3.21E+04			YES	4.25E+04	J		YES	2.41E+04			YES	2.33E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.11E+01	J			2.40E+01	J			1.81E+01	J			9.85E+00	J		
Magnesium	mg/kg	7.66E+02	NA	2.87E+03		YES		2.38E+03	J	YES		1.16E+03		YES		1.89E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.88E+02				3.57E+02				2.77E+03		YES	YES	1.31E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	6.75E-02	J			5.70E-02	J			ND				7.22E-02	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	2.85E+01		YES		3.03E+01	J	YES		1.81E+01		YES		2.14E+01		YES	
Potassium	mg/kg	7.11E+02	NA	1.49E+03		YES		2.32E+03		YES		1.20E+03		YES		2.62E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	ND				1.76E+00	J	YES		ND				ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	1.00E+02	J			1.17E+02	J			5.36E+01	J			1.09E+02	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	5.21E+01				7.71E+01		YES	YES	2.88E+01				4.66E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	5.26E+01		YES		6.52E+01		YES		3.02E+01				5.40E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03					4.30E-02											
Acetone	mg/kg	NA	7.76E+02					2.80E-01	J										

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP21				HR-83Q-GP22				HR-83Q-GP23				HR-83Q-GP24			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0045				NN0047				NN0050				NN0052			
			Sample Date:	7-Nov-01				7-Nov-01				23-Oct-01				23-Oct-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01																
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.82E+04		YES	YES	2.06E+04		YES	YES	2.74E+04		YES	YES	5.02E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	3.07E+00			YES	1.52E+01			YES	7.04E+00			YES	1.01E+01			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.26E+02	J			9.81E+01	J			1.42E+02				2.67E+02		YES	
Beryllium	mg/kg	8.60E-01	9.60E+00	1.04E+00	J	YES		9.20E-01	J	YES		7.46E-01	J			2.48E+00		YES	
Calcium	mg/kg	6.37E+02	NA	1.29E+02	J			4.72E+02	J			1.42E+03		YES		3.33E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	2.37E+01	J		YES	3.35E+01	J		YES	2.52E+01			YES	5.53E+01		YES	YES
Cobalt	mg/kg	1.75E+01	4.68E+02	2.36E+01		YES		1.52E+01				1.06E+01				1.39E+01			
Copper	mg/kg	1.94E+01	3.13E+02	1.37E+01				3.88E+01		YES		1.75E+01				1.65E+01			
Iron	mg/kg	4.48E+04	2.34E+03	2.28E+04	J		YES	4.21E+04	J		YES	2.35E+04			YES	3.06E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.98E+01				2.37E+01				1.40E+01				2.27E+01			
Magnesium	mg/kg	7.66E+02	NA	2.23E+03	J	YES		1.03E+03	J	YES		1.87E+03		YES		3.22E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.61E+03		YES	YES	6.65E+02	J		YES	2.50E+02	J			4.44E+02	J		YES
Mercury	mg/kg	7.00E-02	2.33E+00	3.90E-02	J			ND				ND				4.40E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	2.20E+01		YES		2.24E+01		YES		1.60E+01		YES		4.80E+01		YES	
Potassium	mg/kg	7.11E+02	NA	3.28E+03		YES		1.67E+03		YES		2.74E+03		YES		4.76E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	ND				1.04E+00	J	YES		ND				1.14E+00	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	2.24E+00	J	YES		4.29E+00		YES		ND				1.50E+00	J	YES	
Sodium	mg/kg	7.02E+02	NA	3.52E+01	J			3.61E+01	J			7.83E+01	J			1.27E+02			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.83E+01				5.30E+01				4.46E+01				7.89E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	5.49E+01	J	YES		8.60E+01	J	YES		3.96E+01	J	YES		7.24E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03																
Acetone	mg/kg	NA	7.76E+02																

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP25				HR-83Q-GP26				HR-83Q-GP27				HR-83Q-GP28			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0054				NN0056				NN0058				NN0061			
			Sample Date:	7-Nov-01				24-Oct-01				23-Oct-01				23-Oct-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01																
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.06E+04		YES	YES	2.50E+04		YES	YES	5.77E+04		YES	YES	3.00E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	1.37E+01	J		YES	9.41E+00			YES	2.72E+01		YES	YES	5.98E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	6.03E+01	J			1.23E+02				1.68E+02				1.50E+02			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.82E-01	J			7.80E-01	J			1.18E+00	J	YES		9.36E-01	J	YES	
Calcium	mg/kg	6.37E+02	NA	5.39E+02				9.99E+02		YES		2.06E+03		YES		4.55E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.20E+01				4.28E+01	J	YES	YES	4.80E+01		YES	YES	2.58E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	6.33E+00				2.89E+01	J	YES		8.20E+00				6.99E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.32E+01	J			1.37E+01				4.82E+01		YES		2.10E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	3.12E+04			YES	3.52E+04			YES	5.09E+04		YES	YES	2.55E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.77E+01	J			7.08E+01	J	YES		1.76E+01				9.79E+00			
Magnesium	mg/kg	7.66E+02	NA	1.49E+03		YES		1.11E+03		YES		2.90E+03		YES		2.08E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.70E+02				1.50E+03		YES	YES	4.11E+01	J			1.48E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	5.57E-02	J			3.00E-02	J			1.40E-01		YES		ND			
Nickel	mg/kg	1.29E+01	1.54E+02	1.25E+01				1.25E+01	J			4.68E+01		YES		1.72E+01		YES	
Potassium	mg/kg	7.11E+02	NA	8.39E+02		YES		1.15E+03		YES		4.88E+03		YES		5.23E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	ND				ND				1.05E+00	J	YES		5.70E-01	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				1.55E+00	J	YES		2.13E+00	J	YES		ND			
Sodium	mg/kg	7.02E+02	NA	5.82E+01	J			5.52E+01	J			1.51E+02				6.27E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	4.28E+01				4.93E+01	J			1.09E+02		YES	YES	5.02E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	3.65E+01		YES		3.69E+01		YES		8.22E+01	J	YES		4.32E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03																
Acetone	mg/kg	NA	7.76E+02																

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP29				HR-83Q-GP30				HR-83Q-GP31				HR-83Q-GP32			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0063				NN0065				NN0067				NN0069			
			Sample Date:	9-Nov-01				23-Oct-01				7-Nov-01				30-Nov-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				2- 2.5			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Result	Qual	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01	1.00E-03	J														
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.47E+04		YES	YES	2.48E+04		YES	YES	1.88E+04		YES	YES	1.69E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	5.51E+00			YES	6.60E+00			YES	6.94E+00			YES	6.80E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.39E+02	J			9.06E+01				1.05E+02	J			6.91E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	1.08E+00	J	YES		6.26E-01	J			9.71E-01	J	YES		7.55E-01	J		
Calcium	mg/kg	6.37E+02	NA	1.41E+03	J	YES		9.81E+02		YES		8.29E+01	J			1.16E+02	J		
Chromium	mg/kg	3.83E+01	2.32E+01	2.36E+01	J		YES	2.78E+01			YES	9.23E+01	J	YES	YES	1.63E+01			
Cobalt	mg/kg	1.75E+01	4.68E+02	8.90E+00				9.10E+00				1.57E+01				4.28E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.18E+01				8.38E+00				3.51E+01		YES		4.33E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.04E+04	J		YES	2.16E+04			YES	3.40E+04	J		YES	3.04E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.77E+01	J			9.40E+00				1.87E+01				4.28E+01		YES	
Magnesium	mg/kg	7.66E+02	NA	1.34E+03	J	YES		1.27E+03		YES		1.08E+03	J	YES		6.21E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	2.42E+02				1.16E+02	J			8.44E+02			YES	1.43E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	3.00E-02	J			ND				ND				4.99E-01	J	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	1.55E+01	J	YES		1.47E+01		YES		1.40E+01		YES		1.34E+01		YES	
Potassium	mg/kg	7.11E+02	NA	1.22E+03		YES		1.68E+03		YES		1.80E+03		YES		9.82E+02		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	7.00E-01	J	YES		ND				6.56E-01	J	YES		1.19E+00	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				3.00E+00		YES		1.44E+00	J	YES	
Sodium	mg/kg	7.02E+02	NA	6.34E+01	J			5.48E+01	J			3.27E+01	J			4.54E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	3.80E+01				3.77E+01				2.98E+01				3.80E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	3.59E+01		YES		3.76E+01	J	YES		5.60E+01	J	YES		3.71E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03	8.20E-03	J														
Acetone	mg/kg	NA	7.76E+02	8.90E-02															

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP33				HR-83Q-GP34				HR-83Q-GP35				HR-83Q-GP36			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0071				NN0074				NN0076				NN0079			
			Sample Date:	23-Oct-01				23-Oct-01				23-Oct-01				23-Oct-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
beta-BHC	mg/kg	NA	3.50E-01													ND			
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	3.60E+04		YES	YES	3.17E+04		YES	YES	2.70E+04		YES	YES	6.62E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	8.24E+00			YES	1.49E+01			YES	8.28E+00	J		YES	2.53E+01		YES	YES
Barium	mg/kg	2.34E+02	5.47E+02	1.39E+02	J			1.64E+02	J			1.35E+02	J			2.28E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	8.55E-01	J			1.24E+00	J	YES		8.39E-01	J			3.19E+00		YES	
Calcium	mg/kg	6.37E+02	NA	4.44E+02	J			4.86E+02				4.07E+02				1.30E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	4.48E+01		YES	YES	7.83E+01		YES	YES	2.39E+01			YES	4.67E+01		YES	YES
Cobalt	mg/kg	1.75E+01	4.68E+02	1.47E+01				3.55E+01		YES		1.64E+01	J			1.68E+01			
Copper	mg/kg	1.94E+01	3.13E+02	2.77E+01		YES		2.95E+01		YES		1.53E+01				5.20E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	3.16E+04			YES	5.20E+04		YES	YES	2.65E+04			YES	5.21E+04		YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	2.12E+02	J	YES		1.14E+02		YES		2.57E+01	J			2.60E+01			
Magnesium	mg/kg	7.66E+02	NA	1.94E+03		YES		1.81E+03		YES		1.46E+03		YES		4.79E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.07E+02				1.14E+03			YES	1.11E+03	J		YES	1.12E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	ND				ND				ND				1.63E-01		YES	
Nickel	mg/kg	1.29E+01	1.54E+02	2.44E+01		YES		2.79E+01		YES		1.74E+01		YES		7.67E+01		YES	
Potassium	mg/kg	7.11E+02	NA	3.47E+03		YES		3.62E+03		YES		2.08E+03		YES		4.39E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	6.41E-01	J	YES		1.76E+00		YES		7.98E-01	J	YES		1.12E+00	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND				ND				ND				ND			
Sodium	mg/kg	7.02E+02	NA	6.45E+01	J			6.21E+01	J			5.96E+01	J			1.97E+02			
Vanadium	mg/kg	6.49E+01	5.31E+01	5.51E+01			YES	6.32E+01			YES	4.79E+01				9.03E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	7.23E+01		YES		7.06E+01		YES		4.69E+01		YES		1.06E+02		YES	
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	4.66E+03													ND			
Acetone	mg/kg	NA	7.76E+02													1.20E-02	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-GP37				HR-83Q-MW01				HR-83Q-MW02			
			Parcel:	HR-83Q				HR-83Q				HR-83Q			
			Sample Number:	NN0081				NN0083				NN0085			
			Sample Date:	9-Nov-01				23-Oct-01				23-Oct-01			
			Sample Depth (Feet):	3 - 4				3 - 4				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
beta-BHC	mg/kg	NA	3.50E-01									ND			
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03	1.53E+04		YES	YES	1.79E+04		YES	YES	3.49E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				4.78E+00	J	YES	YES	ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	4.39E+00			YES	9.27E+00			YES	7.31E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.41E+01	J			6.87E+01	J			1.39E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	ND				1.71E+00		YES		1.25E+00		YES	
Calcium	mg/kg	6.37E+02	NA	2.33E+02	J			2.93E+02				1.89E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	2.30E+01	J			3.75E+01			YES	3.50E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	4.29E+00				6.37E+00				6.94E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.10E+01				5.13E+01		YES		1.63E+01			
Iron	mg/kg	4.48E+04	2.34E+03	1.35E+04	J		YES	6.46E+04		YES	YES	2.34E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.83E+01	J			6.91E+00				1.27E+01			
Magnesium	mg/kg	7.66E+02	NA	6.19E+02	J			6.23E+02				2.02E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.70E+02				1.04E+02				6.25E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	3.00E-02	J			6.22E-02	J			ND			
Nickel	mg/kg	1.29E+01	1.54E+02	9.55E+00	J			1.79E+01		YES		2.89E+01		YES	
Potassium	mg/kg	7.11E+02	NA	5.34E+02				1.93E+03		YES		3.44E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	ND				1.44E+00		YES		6.98E-01	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	1.48E+00	J	YES		ND				ND			
Sodium	mg/kg	7.02E+02	NA	4.94E+01	J			4.34E+01	J			6.92E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	2.54E+01				3.03E+01				6.37E+01			YES
Zinc	mg/kg	3.49E+01	2.34E+03	2.88E+01				7.50E+01		YES		4.41E+01		YES	
VOLATILE ORGANIC COMPOUNDS															
2-Butanone	mg/kg	NA	4.66E+03									ND			
Acetone	mg/kg	NA	7.76E+02									1.30E-02	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-MW03				HR-83Q-MW04			
			Parcel:	HR-83Q				HR-83Q			
			Sample Number:	NN0088				NN0090			
			Sample Date:	23-Oct-01				7-Nov-01			
			Sample Depth (Feet):	3 - 4				3 - 4			
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**Results**	**VQ**	**>BKG**	**>SSSL**	**Results**	**VQ**	**>BKG**	**>SSSL**
PESTICIDES											
beta-BHC	mg/kg	NA	3.50E-01								
METALS											
Aluminum	mg/kg	1.36E+04	7.80E+03	4.03E+04		YES	YES	1.97E+04		YES	YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	5.97E+00			YES	6.74E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	2.19E+02	J			9.55E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	1.38E+00		YES		1.08E+00	J	YES	
Calcium	mg/kg	6.37E+02	NA	1.90E+03		YES		5.73E+02	J		
Chromium	mg/kg	3.83E+01	2.32E+01	2.87E+01			YES	1.90E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	1.69E+01				1.29E+01			
Copper	mg/kg	1.94E+01	3.13E+02	1.77E+01				2.75E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.29E+04			YES	2.79E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	3.15E+01				1.62E+01			
Magnesium	mg/kg	7.66E+02	NA	2.36E+03		YES		1.32E+03	J	YES	
Manganese	mg/kg	1.36E+03	3.63E+02	6.56E+02			YES	4.45E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	3.00E-02	J			ND			
Nickel	mg/kg	1.29E+01	1.54E+02	2.99E+01		YES		1.77E+01		YES	
Potassium	mg/kg	7.11E+02	NA	3.66E+03		YES		2.23E+03		YES	
Selenium	mg/kg	4.70E-01	3.91E+01	5.81E-01	J	YES		ND			
Silver	mg/kg	2.40E-01	3.91E+01	ND				2.96E+00		YES	
Sodium	mg/kg	7.02E+02	NA	1.02E+02	J			3.46E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	5.57E+01			YES	3.29E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	5.88E+01		YES		4.82E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS											
2-Butanone	mg/kg	NA	4.66E+03								
Acetone	mg/kg	NA	7.76E+02								

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-118Q-GP01				HR-118Q-GP02				HR-118Q-GP03				HR-118Q-GP04			
			Parcel:	HR-118Q				HR-118Q				HR-118Q				HR-118Q			
			Sample No:	NP0002				NP0004				NP0006				NP0008			
			Sample Date:	29-Nov-01				30-Nov-01				29-Nov-01				29-Nov-01			
			Sample Depth:	3 - 4				3 - 4				2.5- 3				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	3.91E+04		YES	YES	4.45E+04		YES	YES	3.69E+04		YES	YES	2.69E+04		YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	2.23E+01		YES	YES	1.30E+01			YES	6.23E+00			YES	1.61E+01			YES
Barium	mg/kg	2.34E+02	5.47E+02	1.19E+02	J			1.82E+02	J			1.24E+02	J			1.41E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	1.09E+00	J	YES		1.93E+00		YES		5.63E-01	B			4.97E-01	B		
Calcium	mg/kg	6.37E+02	NA	6.29E+01	J			1.18E+02	J			1.86E+02				6.26E+01	J		
Chromium	mg/kg	3.83E+01	2.32E+01	2.37E+01			YES	2.71E+01			YES	2.86E+01			YES	2.67E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	4.54E+00				5.08E+00				6.09E+00				ND	ND		
Copper	mg/kg	1.94E+01	3.13E+02	7.52E+01		YES		3.08E+01		YES		5.48E+01		YES		4.81E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	5.98E+04		YES	YES	4.95E+04	J	YES	YES	2.34E+04	J		YES	4.63E+04	J	YES	YES
Lead	mg/kg	3.85E+01	4.00E+02	2.30E+01				2.64E+01				2.54E+02		YES		1.13E+01			
Magnesium	mg/kg	7.66E+02	NA	1.65E+03		YES		2.62E+03	J	YES		1.58E+03	J	YES		1.38E+03	J	YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.24E+02				1.22E+02				1.06E+02				1.47E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	9.50E-02	J	YES		5.80E-02	B			3.20E-02	B			1.88E-01	B	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	5.97E+01		YES		3.06E+01		YES		2.02E+01		YES		1.02E+01			
Potassium	mg/kg	7.11E+02	NA	3.70E+03	J	YES		5.99E+03	J	YES		1.89E+03	J	YES		4.10E+03	J	YES	
Selenium	mg/kg	4.70E-01	3.91E+01	1.52E+00		YES		1.06E+00	J	YES		8.93E-01	J	YES		2.75E+00		YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND	ND			2.11E+00	J	YES		ND	ND			2.14E+00	J	YES	
Sodium	mg/kg	7.02E+02	NA	5.94E+01	J			9.92E+01	J			5.10E+01	J			9.63E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	5.97E+01			YES	5.20E+01				5.11E+01				8.09E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	1.72E+02		YES		9.98E+01	J	YES		6.80E+01	J	YES		5.77E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02	1.10E-02	B														

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-118Q-GP05				HR-118Q-GP06				HR-118Q-GP07				HR-118Q-GP08			
			Parcel:	HR-118Q				HR-118Q				HR-118Q				HR-118Q			
			Sample No:	NP0011				NP0013				NP0015				NP0017			
			Sample Date:	29-Nov-01				29-Nov-01				29-Nov-01				29-Nov-01			
			Sample Depth:	1- 1.5				3 - 4				3- 3.5				3 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.95E+04		YES	YES	3.63E+04		YES	YES	3.00E+04		YES	YES	3.89E+04		YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	6.38E+00			YES	5.73E+00			YES	8.63E+00			YES	9.09E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	9.52E+01	J			8.54E+01	J			1.53E+02	J			1.70E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	5.90E-01	J			5.98E-01	J			6.91E-01	J			2.27E+00		YES	
Calcium	mg/kg	6.37E+02	NA	7.38E+02		YES		1.16E+02				1.03E+02	J			2.51E+03		YES	
Chromium	mg/kg	3.83E+01	2.32E+01	3.47E+01			YES	2.90E+01			YES	2.46E+01			YES	2.98E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	8.24E+00				6.85E+00				2.46E+00				8.83E+00			
Copper	mg/kg	1.94E+01	3.13E+02	2.07E+01		YES		3.23E+01		YES		6.15E+01		YES		2.04E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.07E+04			YES	2.32E+04			YES	2.91E+04	J		YES	2.91E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	4.25E+01		YES		7.70E+01		YES		4.55E+01		YES		9.69E+01		YES	
Magnesium	mg/kg	7.66E+02	NA	1.29E+03		YES		1.51E+03		YES		1.40E+03	J	YES		1.89E+03	J	YES	
Manganese	mg/kg	1.36E+03	3.63E+02	2.11E+02				2.60E+02				2.81E+01				9.22E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	4.90E-02	J			8.00E-02	J	YES		8.20E-02	B	YES		6.30E-02	B		
Nickel	mg/kg	1.29E+01	1.54E+02	1.70E+01		YES		1.85E+01		YES		7.76E+00				2.25E+01		YES	
Potassium	mg/kg	7.11E+02	NA	1.20E+03	J	YES		1.39E+03	J	YES		4.30E+03	J	YES		1.43E+03	J	YES	
Selenium	mg/kg	4.70E-01	3.91E+01	7.71E-01	J	YES		7.35E-01	J	YES		1.48E+00		YES		1.03E+00	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	1.71E+00	J	YES		1.58E+00	J	YES		1.62E+00	J	YES		ND	ND		
Sodium	mg/kg	7.02E+02	NA	7.01E+01	J			5.25E+01	J			8.96E+01	J			9.17E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	4.53E+01				5.55E+01			YES	6.47E+01			YES	6.39E+01			YES
Zinc	mg/kg	3.49E+01	2.34E+03	5.30E+01		YES		6.34E+01		YES		4.61E+01	J	YES		5.02E+01	J	YES	
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02																

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcels 83Q and 118Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-118Q-GP09				HR-118Q-GP10				HR-118Q-GP11				HR-118Q-MW01			
			Parcel:	HR-118Q				HR-118Q				HR-118Q				HR-118Q			
			Sample No:	NP0020				NP0022				NP0024				NP0027			
			Sample Date:	29-Nov-01				29-Nov-01				29-Nov-01				29-Nov-01			
			Sample Depth:	2 - 3				2- 2.5				1- 1.5				2- 2.5			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	2.26E+04		YES	YES	2.40E+04		YES	YES	1.68E+04		YES	YES	4.48E+04		YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	4.83E+00			YES	1.69E+01			YES	1.17E+01			YES	7.68E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.72E+01	J			1.11E+02	J			1.37E+02	J			1.12E+02	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	3.89E-01	J			7.87E-01	J			2.25E+00		YES		8.75E-01	J	YES	
Calcium	mg/kg	6.37E+02	NA	1.46E+02				8.80E+01	J			1.10E+02	J			5.64E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	2.72E+01			YES	2.07E+01				1.65E+01				3.28E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	4.35E+00				3.91E+00				5.54E+01		YES		7.89E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.46E+01				6.19E+01		YES		4.82E+01		YES		2.68E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	1.85E+04			YES	3.82E+04			YES	2.39E+04	J		YES	2.84E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.52E+01				3.52E+01				1.77E+02		YES		2.95E+01			
Magnesium	mg/kg	7.66E+02	NA	9.75E+02		YES		1.29E+03		YES		1.08E+03	J	YES		1.86E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	1.20E+02				1.12E+02				8.39E+02			YES	2.68E+02			
Mercury	mg/kg	7.00E-02	2.33E+00	5.90E-02	J			5.40E-02	B			ND	ND			8.20E-02	B	YES	
Nickel	mg/kg	1.29E+01	1.54E+02	1.09E+01				4.11E+01		YES		2.61E+01		YES		2.52E+01		YES	
Potassium	mg/kg	7.11E+02	NA	9.39E+02	J	YES		3.18E+03	J	YES		2.14E+03	J	YES		1.88E+03	J	YES	
Selenium	mg/kg	4.70E-01	3.91E+01	6.34E-01	J	YES		1.67E+00		YES		6.92E-01	J	YES		7.81E-01	J	YES	
Silver	mg/kg	2.40E-01	3.91E+01	ND	ND			ND	ND			ND	ND			1.68E+00	J	YES	
Sodium	mg/kg	7.02E+02	NA	4.74E+01	J			5.11E+01	J			5.90E+01	J			7.74E+01	J		
Vanadium	mg/kg	6.49E+01	5.31E+01	4.23E+01				5.65E+01			YES	3.07E+01				6.52E+01		YES	YES
Zinc	mg/kg	3.49E+01	2.34E+03	3.95E+01		YES		1.09E+02		YES		8.85E+01	J	YES		7.50E+01		YES	
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	7.76E+02													6.60E-02			

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-223Q-GP01				HR-223Q-GP03				HR-223Q-GP06			
			Parcel:	HR-223Q				HR-223Q				HR-223Q			
			Sample No:	PN0002				PN0006				PN0010			
			Sample Date:	11-Apr-02				11-Apr-02				6-Jun-02			
			Sample Depth:	2 - 4				2 - 4				1- 1.5			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01	ND				ND				4.20E-03			
METALS															
Aluminum	mg/kg	1.36E+04	7.80E+03	6.49E+03				6.04E+03				1.92E+04		YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	2.35E+00			YES	3.02E+00			YES	9.86E-01	J		YES
Barium	mg/kg	2.34E+02	5.47E+02	8.95E+01				1.06E+02				5.68E+01	J		
Beryllium	mg/kg	8.60E-01	9.60E+00	6.07E-01	J			7.13E-01	J			6.91E-01	J		
Calcium	mg/kg	6.37E+02	NA	7.57E+03		YES		5.14E+02				2.34E+02			
Chromium	mg/kg	3.83E+01	2.32E+01	9.43E+00				1.21E+01				3.00E+01			YES
Cobalt	mg/kg	1.75E+01	4.68E+02	7.06E+00				1.35E+01				6.18E+00			
Copper	mg/kg	1.94E+01	3.13E+02	8.90E+00				8.91E+00				6.37E+00			
Iron	mg/kg	4.48E+04	2.34E+03	1.20E+04			YES	2.02E+04			YES	1.91E+04			YES
Lead	mg/kg	3.85E+01	4.00E+02	1.07E+01				1.23E+01				1.10E+01			
Magnesium	mg/kg	7.66E+02	NA	4.64E+03		YES		3.41E+02				3.67E+03		YES	
Manganese	mg/kg	1.36E+03	3.63E+02	4.79E+02			YES	6.14E+02			YES	4.66E+01			
Mercury	mg/kg	7.00E-02	2.33E+00	ND				5.20E-02	J			ND			
Nickel	mg/kg	1.29E+01	1.54E+02	4.51E+00				7.27E+00				1.47E+01		YES	
Potassium	mg/kg	7.11E+02	NA	1.35E+03		YES		1.30E+03		YES		7.06E+03		YES	
Sodium	mg/kg	7.02E+02	NA	6.67E+01	J			5.41E+01	J			8.82E+01	J		
Thallium	mg/kg	1.40E+00	5.08E-01	ND				ND				ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	1.09E+01				1.43E+01				1.84E+01			
Zinc	mg/kg	3.49E+01	2.34E+03	1.34E+01				1.53E+01				2.44E+01	J		
VOLATILE ORGANIC COMPOUNDS															
2-Butanone	mg/kg	NA	4.66E+03	ND				ND				3.00E-02			
Acetone	mg/kg	NA	7.76E+02	2.10E-02	J			1.30E-01	J			2.30E-01			
Methylene chloride	mg/kg	NA	8.41E+01	1.30E-03	B			1.30E-03	B			ND			
p-Cymene	mg/kg	NA	1.55E+03	ND				ND				3.30E-03	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-223Q-GP08				HR-223Q-GP12			
			Parcel:	HR-223Q				HR-223Q			
			Sample No:	PN0013				PN0019			
			Sample Date:	10-Jun-02				10-Jun-02			
			Sample Depth:	3 - 4				2 - 4			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES											
gamma-BHC (Lindane)	mg/kg	NA	4.85E-01								
METALS											
Aluminum	mg/kg	1.36E+04	7.80E+03	1.85E+04		YES	YES				
Arsenic	mg/kg	1.83E+01	4.26E-01	1.50E+00			YES				
Barium	mg/kg	2.34E+02	5.47E+02	1.46E+02	J						
Beryllium	mg/kg	8.60E-01	9.60E+00	1.79E+00		YES					
Calcium	mg/kg	6.37E+02	NA	4.02E+01	J						
Chromium	mg/kg	3.83E+01	2.32E+01	2.07E+01							
Cobalt	mg/kg	1.75E+01	4.68E+02	5.20E+00							
Copper	mg/kg	1.94E+01	3.13E+02	1.05E+01							
Iron	mg/kg	4.48E+04	2.34E+03	2.74E+04			YES				
Lead	mg/kg	3.85E+01	4.00E+02	9.70E+00				4.06E+01		YES	
Magnesium	mg/kg	7.66E+02	NA	2.64E+03		YES					
Manganese	mg/kg	1.36E+03	3.63E+02	4.30E+01							
Mercury	mg/kg	7.00E-02	2.33E+00	ND							
Nickel	mg/kg	1.29E+01	1.54E+02	2.39E+01		YES					
Potassium	mg/kg	7.11E+02	NA	4.04E+03		YES					
Sodium	mg/kg	7.02E+02	NA	7.08E+01	J						
Thallium	mg/kg	1.40E+00	5.08E-01	8.43E-01	J		YES				
Vanadium	mg/kg	6.49E+01	5.31E+01	1.85E+01							
Zinc	mg/kg	3.49E+01	2.34E+03	6.43E+01	J	YES					
VOLATILE ORGANIC COMPOUNDS											
2-Butanone	mg/kg	NA	4.66E+03								
Acetone	mg/kg	NA	7.76E+02								
Methylene chloride	mg/kg	NA	8.41E+01								
p-Cymene	mg/kg	NA	1.55E+03								

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-224Q-GP06				HR-224Q-MW03				HR-224Q-MW04				HR-226Q-GP05			
			Parcel:	RSR25_EECA				RSR25_EECA				RSR25_EECA				RSR25_EECA			
			Sample No:	QE0013				QE0019				QE0021				MR0010			
			Sample Date:	17-Jul-01				17-Jul-01				17-Jul-01				19-Jul-01			
			Sample Depth:	7 - 8				11 - 12				11 - 12				5 - 6			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.99E+04		YES	YES	1.42E+04		YES	YES	1.46E+04		YES	YES	4.55E+03	J		
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				ND				ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	6.05E+00			YES	1.78E+01			YES	1.18E+01			YES	1.40E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	6.74E+01				1.13E+02				8.90E+01				3.30E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.60E-01	J			2.47E+00		YES		1.50E+00		YES		3.24E-01	B		
Calcium	mg/kg	6.37E+02	NA	3.89E+02				2.56E+03		YES		2.11E+03		YES		2.79E+02	J		
Chromium	mg/kg	3.83E+01	2.32E+01	1.64E+01				1.89E+01				1.65E+01				7.92E+00	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	5.12E+00				2.41E+01		YES		1.13E+01				3.03E+00			
Copper	mg/kg	1.94E+01	3.13E+02	1.66E+01				3.11E+01		YES		2.18E+01		YES		7.63E+00			
Iron	mg/kg	4.48E+04	2.34E+03	2.38E+04			YES	3.57E+04			YES	3.78E+04			YES	1.08E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	3.87E+01		YES		2.71E+01				1.05E+01				2.94E+00	J		
Magnesium	mg/kg	7.66E+02	NA	6.45E+02				8.36E+02		YES		6.72E+02				2.18E+02	J		
Manganese	mg/kg	1.36E+03	3.63E+02	2.03E+02				6.62E+02			YES	1.94E+02				1.32E+02	J		
Mercury	mg/kg	7.00E-02	2.33E+00	1.07E-01	J	YES		3.39E-01		YES		8.90E-02	J	YES		ND			
Nickel	mg/kg	1.29E+01	1.54E+02	1.33E+01		YES		3.27E+01		YES		2.02E+01		YES		4.42E+00			
Potassium	mg/kg	7.11E+02	NA	7.07E+02				1.28E+03		YES		1.51E+03		YES		9.43E+02		YES	
Sodium	mg/kg	7.02E+02	NA	3.93E+01	J			4.57E+01	J			4.48E+01	J			ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.31E+01				2.88E+01				2.49E+01				7.72E+00	J		
Zinc	mg/kg	3.49E+01	2.34E+03	3.04E+01				6.37E+01		YES		3.42E+01				7.26E+00	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-226Q-GP07				HR-226Q-GP08				HR-226Q-GP09				HR-226Q-GP10			
			Parcel:	RSR25_EECA				RSR25_EECA				RSR25_EECA				RSR25_EECA			
			Sample No:	MR0015				MR0017				MR0019				MR0021			
			Sample Date:	19-Jul-01				16-Jul-01				16-Jul-01				16-Jul-01			
			Sample Depth:	11 - 12				11 - 12				11 - 12				10 - 11			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/kg	1.36E+04	7.80E+03	1.03E+04	J		YES	6.23E+03				1.50E+04		YES	YES	1.12E+04			YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				ND				5.35E+00	J	YES	YES	ND			
Arsenic	mg/kg	1.83E+01	4.26E-01	5.35E+00			YES	1.61E+01			YES	1.99E+01		YES	YES	5.15E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	5.60E+01				3.64E+01				1.07E+02				9.05E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	1.03E+00	J	YES		1.06E+00	J	YES		1.47E+00		YES		1.09E+00	J	YES	
Calcium	mg/kg	6.37E+02	NA	6.13E+02	J			7.99E+02	J	YES		1.49E+03	J	YES		2.07E+03	J	YES	
Chromium	mg/kg	3.83E+01	2.32E+01	1.65E+01	J			2.07E+01	J			2.47E+01	J		YES	1.67E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	2.11E+01		YES		1.13E+01				2.05E+01		YES		1.53E+01			
Copper	mg/kg	1.94E+01	3.13E+02	1.30E+01				1.45E+01				3.69E+01		YES		2.27E+01		YES	
Iron	mg/kg	4.48E+04	2.34E+03	2.66E+04	J		YES	3.57E+04	J		YES	5.12E+04	J	YES	YES	3.16E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	2.29E+01	J			1.22E+01	J			4.30E+01	J	YES		1.09E+01	J		
Magnesium	mg/kg	7.66E+02	NA	4.18E+02	J			1.48E+02				3.87E+02				3.97E+02			
Manganese	mg/kg	1.36E+03	3.63E+02	4.23E+02	J		YES	1.26E+02				6.32E+02			YES	4.57E+02			YES
Mercury	mg/kg	7.00E-02	2.33E+00	6.40E-02	J			ND				1.38E-01		YES		ND			
Nickel	mg/kg	1.29E+01	1.54E+02	1.18E+01				7.58E+00				3.23E+01		YES		1.06E+01			
Potassium	mg/kg	7.11E+02	NA	9.48E+02		YES		4.45E+02	J			8.94E+02		YES		1.56E+03		YES	
Sodium	mg/kg	7.02E+02	NA	ND				3.03E+01	B			6.83E+01	B			3.02E+01	B		
Vanadium	mg/kg	6.49E+01	5.31E+01	2.27E+01	J			2.40E+01	J			4.77E+01	J			1.95E+01	J		
Zinc	mg/kg	3.49E+01	2.34E+03	2.43E+01	J			1.52E+01	J			6.90E+01	J	YES		1.97E+01	J		

Table 4-2

Subsurface Soil Sample Analytical Results
Baby Bains Gap Road Ranges
Ranges South of Range 25, Parcels 224Q/226Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-226Q-MW02				HR-226Q-MW03			
			Parcel:	RSR25_EECA				RSR25_EECA			
			Sample No:	MR0028				MR0031			
			Sample Date:	16-Jul-01				18-Jul-01			
			Sample Depth:	11 - 12				5 - 6			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS											
Aluminum	mg/kg	1.36E+04	7.80E+03	1.60E+04		YES	YES	1.13E+04	J		YES
Antimony	mg/kg	1.31E+00	3.11E+00	ND				3.83E+00	J	YES	YES
Arsenic	mg/kg	1.83E+01	4.26E-01	7.64E+00			YES	5.55E+00			YES
Barium	mg/kg	2.34E+02	5.47E+02	8.55E+01				5.89E+01			
Beryllium	mg/kg	8.60E-01	9.60E+00	4.35E+00		YES		6.16E-01	B		
Calcium	mg/kg	6.37E+02	NA	3.61E+03	J	YES		5.91E+02	J		
Chromium	mg/kg	3.83E+01	2.32E+01	2.50E+01	J		YES	1.68E+01	J		
Cobalt	mg/kg	1.75E+01	4.68E+02	1.26E+01				1.35E+01			
Copper	mg/kg	1.94E+01	3.13E+02	2.86E+01		YES		1.49E+01			
Iron	mg/kg	4.48E+04	2.34E+03	3.57E+04	J		YES	2.70E+04	J		YES
Lead	mg/kg	3.85E+01	4.00E+02	3.77E+01	J			1.61E+01	J		
Magnesium	mg/kg	7.66E+02	NA	6.68E+02				4.76E+02	J		
Manganese	mg/kg	1.36E+03	3.63E+02	4.87E+02			YES	5.31E+02	J		YES
Mercury	mg/kg	7.00E-02	2.33E+00	2.58E-01		YES		6.50E-02	J		
Nickel	mg/kg	1.29E+01	1.54E+02	4.25E+01		YES		9.02E+00			
Potassium	mg/kg	7.11E+02	NA	9.62E+02		YES		1.47E+03		YES	
Sodium	mg/kg	7.02E+02	NA	6.90E+01	B			ND			
Vanadium	mg/kg	6.49E+01	5.31E+01	3.08E+01	J			2.41E+01	J		
Zinc	mg/kg	3.49E+01	2.34E+03	7.56E+01	J	YES		1.61E+01	J		

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

Note: Blank results indicate constituent was not analyzed for.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey, Fort McClellan, Alabama,* July.

[b] Residential human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT, 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 - Compound was positively identified; reported value is an estimated concentration.

mg/kg - Milligrams per kilogram.

NA - Not available.

ND - Not detected.

VQ - Data validation qualifier.

Table 4-3

Groundwater Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-74Q-MW01				HR-74Q-MW03				HR-74Q-MW04			
			Parcel:	HR-74Q				HR-74Q				HR-74Q			
			Sample Number:	PJ3001				PJ3003				PJ3005			
			Sample Date:	12-Jun-02				13-Jun-02				26-Jun-02			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
beta-BHC	mg/L	NA	3.60E-05					3.00E-05	J						
gamma-BHC (Lindane)	mg/L	NA	5.00E-05					1.30E-04	J		YES				
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00	5.23E-02	J			ND				ND			
Barium	mg/L	1.27E-01	1.10E-01	7.71E-02				1.13E-01			YES	2.56E-01		YES	YES
Calcium	mg/L	5.65E+01	NA	6.00E+01		YES		8.20E+01		YES		5.50E+01			
Iron	mg/L	7.04E+00	4.69E-01	6.28E-02	J			4.65E-02	J			1.05E-01	J		
Magnesium	mg/L	2.13E+01	NA	1.14E+01				8.72E+00				1.93E+01			
Manganese	mg/L	5.81E-01	7.35E-02	2.22E-01			YES	1.03E+00		YES	YES	ND			
Potassium	mg/L	7.20E+00	NA	2.05E+00	B			1.18E+00	B			1.16E+00	B		
Selenium	mg/L	NA	7.82E-03	ND				3.18E-03	B			ND			
Sodium	mg/L	1.48E+01	NA	2.59E+00				2.15E+00				9.91E-01	J		

Table 4-3

Groundwater Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-79Q-MW01				HR-79Q-MW02				HR-79Q-MW03			
			Parcel:	HR-79Q				HR-79Q				HR-79Q			
			Sample No:	PL3001				PL3003				PL3004			
			Sample Date:	11-Jun-02				13-Jun-02				19-Jun-02			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES															
alpha-Chlordane	mg/L	NA	1.74E-04	1.10E-05	J			ND				ND			
beta-BHC	mg/L	NA	3.60E-05	1.90E-05	J			ND				ND			
DISS METALS															
Barium	mg/L	1.27E-01	1.10E-01					1.15E-01			YES				
Calcium	mg/L	5.65E+01	NA					8.46E+01		YES					
Iron	mg/L	7.04E+00	4.69E-01					2.36E-02	J						
Magnesium	mg/L	2.13E+01	NA					4.22E+00							
Manganese	mg/L	5.81E-01	7.35E-02					1.50E+00		YES	YES				
Sodium	mg/L	1.48E+01	NA					3.55E+00							
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00	ND				1.90E+00			YES	4.03E-01			
Barium	mg/L	1.27E-01	1.10E-01	1.35E-01		YES	YES	1.35E-01		YES	YES	1.32E-01		YES	YES
Calcium	mg/L	5.65E+01	NA	8.49E+01		YES		8.52E+01		YES		6.70E+01		YES	
Iron	mg/L	7.04E+00	4.69E-01	8.95E-02	J			1.25E+00			YES	8.45E-02	J		
Magnesium	mg/L	2.13E+01	NA	1.06E+01				4.37E+00				5.58E+00			
Manganese	mg/L	5.81E-01	7.35E-02	8.52E-01		YES	YES	3.24E+00		YES	YES	4.28E-03	J		
Potassium	mg/L	7.20E+00	NA	ND				1.17E+00	J			ND			
Sodium	mg/L	1.48E+01	NA	1.52E+00				2.51E+00				1.23E+00			
NITROAROMATICS															
4-Amino-2,6-dinitrotoluene	mg/L	NA	9.30E-05	ND				4.00E-04			YES	ND			
VOLATILE ORGANIC COMPOUNDS															
Carbon disulfide	mg/L	NA	1.51E-01	6.80E-04	J			ND				ND			

Table 4-3

Groundwater Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-84Q-MW01				HR-84Q-MW02				HR-84Q-MW03				HR-84Q-MW04			
			Parcel:	HR-84Q				HR-84Q				HR-84Q				HR-84Q			
			Sample No:	PM3001				PM3002				PM3004				PM3005			
			Sample Date:	11-Jun-02				12-Jun-02				12-Jun-02				11-Jun-02			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	9.06E-02	J			1.98E-01	J			2.03E-01				2.57E-01			
Barium	mg/L	1.27E-01	1.10E-01	2.62E-02				5.49E-02				5.97E-02				3.55E-02			
Calcium	mg/L	5.65E+01	NA	5.04E+01				3.25E+01				1.16E+01				3.17E+00			
Iron	mg/L	7.04E+00	4.69E-01	9.05E-02	J			1.91E+00			YES	3.22E+00			YES	4.50E+00			YES
Magnesium	mg/L	2.13E+01	NA	3.55E+00				7.87E+00				7.32E+00				4.70E+00			
Manganese	mg/L	5.81E-01	7.35E-02	6.65E-03	B			2.65E-01			YES	1.71E-01			YES	1.60E-01			YES
Potassium	mg/L	7.20E+00	NA	1.67E+00	B			1.09E+00	B			1.50E+00	B			7.03E+00			
Selenium	mg/L	NA	7.82E-03	ND				ND				3.04E-03	B			ND			
Sodium	mg/L	1.48E+01	NA	1.44E+00				3.40E+00				4.69E+00				2.58E+00			
Thallium	mg/L	1.46E-03	1.01E-04	3.84E-03	J	YES	YES	ND				ND				ND			
Zinc	mg/L	2.20E-01	4.69E-01	ND				ND				ND				2.86E-02	B		

Table 4-3

Groundwater Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-83Q-MW01				HR-83Q-MW02				HR-83Q-MW03				HR-83Q-MW04			
			Parcel:	HR-83Q				HR-83Q				HR-83Q				HR-83Q			
			Sample No:	NN3001				NN3002				NN3004				NN3005			
			Sample Date:	20-May-02				13-Feb-02				13-Feb-02				17-May-02			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
PESTICIDES																			
4,4'-DDD	mg/L	NA	1.83E-04					8.90E-05	J										
4,4'-DDT	mg/L	NA	1.09E-04					7.70E-05	J										
Endosulfan I	mg/L	NA	9.35E-03					7.80E-05	J										
Endrin	mg/L	NA	4.48E-04					5.40E-05	J										
Heptachlor	mg/L	NA	1.40E-05					1.20E-04	J		YES								
alpha-Chlordane	mg/L	NA	1.74E-04					3.80E-05	J										
beta-BHC	mg/L	NA	3.60E-05					9.10E-05	J		YES								
METALS																			
Aluminum	mg/L	2.34E+00	1.56E+00	ND				ND				1.30E-01	J			7.76E-02	J		
Barium	mg/L	1.27E-01	1.10E-01	2.67E-02				4.03E-02				2.82E-02				3.32E-02			
Calcium	mg/L	5.65E+01	NA	7.11E+01		YES		1.15E+02		YES		5.62E+01				5.78E+01		YES	
Iron	mg/L	7.04E+00	4.69E-01	1.80E-02	J			3.24E-02	J			2.21E-01	J			5.34E-02	J		
Magnesium	mg/L	2.13E+01	NA	3.34E+00				5.72E+00	B			4.69E+00	B			7.42E+00			
Manganese	mg/L	5.81E-01	7.35E-02	1.31E-01			YES	1.08E-02	J			3.66E-01			YES	2.72E-02	J		
Potassium	mg/L	7.20E+00	NA	9.45E-01	J			8.67E-01	B			ND				2.66E+00	J		
Sodium	mg/L	1.48E+01	NA	2.26E+00				1.06E+01	B			1.76E+00	B			4.02E+00			
NITROAROMATICS																			
2,4-Dinitrotoluene	mg/L	NA	9.70E-05	ND				ND				ND				1.10E-03			YES
2,6-Dinitrotoluene	mg/L	NA	9.80E-05	ND				ND				ND				3.70E-04	J		YES
2-Nitrotoluene	mg/L	NA	1.53E-02	3.20E-04	J			ND				ND				ND			
3-Nitrotoluene	mg/L	NA	1.53E-02	ND				ND				ND				6.50E-04	J		

Table 4-3

Groundwater Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-118Q-MW01				HR-118Q-MW02			
			Parcel:	HR-118Q				HR-118Q			
			Sample Number:	NP3001				NP3002			
			Sample Date:	12-Feb-02				11-Feb-02			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS											
Aluminum	mg/L	2.34E+00	1.56E+00	1.23E+00				1.22E-01	J		
Arsenic	mg/L	1.78E-02	4.40E-05	2.59E-03	J		YES	ND			
Barium	mg/L	1.27E-01	1.10E-01	5.97E-02				5.82E-02			
Calcium	mg/L	5.65E+01	NA	6.19E+01		YES		6.16E+01		YES	
Iron	mg/L	7.04E+00	4.69E-01	3.63E-01	J			6.24E-02	J		
Magnesium	mg/L	2.13E+01	NA	5.35E-01	B			5.12E+00			
Manganese	mg/L	5.81E-01	7.35E-02	3.03E-03	J			ND			
Potassium	mg/L	7.20E+00	NA	1.16E+01	B	YES		1.57E+00	J		
Sodium	mg/L	1.48E+01	NA	7.85E+00	B			1.76E+00			

Table 4-3

Groundwater Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

			Sample Location:	HR-224Q-MW03				HR-224Q-MW04				HR-226Q-MW02			
			Parcel:	RSR25_EECA				RSR25_EECA				RSR25_EECA			
			Sample No:	QE3003				QE3004				MR3002			
			Sample Date:	9-Aug-01				9-Aug-01				20-Aug-01			
Parameter	Units	BKG[a]	SSSL[b]	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL	Results	VQ	>BKG	>SSSL
METALS															
Aluminum	mg/L	2.34E+00	1.56E+00	8.42E-02	B			1.84E-01	B			ND			
Barium	mg/L	1.27E-01	1.10E-01	7.06E-02				7.31E-02				6.45E-02			
Beryllium	mg/L	1.25E-03	3.13E-03	ND				ND				1.85E-03	B	YES	
Calcium	mg/L	5.65E+01	NA	8.09E+01		YES		7.77E+01		YES		5.84E+01		YES	
Iron	mg/L	7.04E+00	4.69E-01	1.14E-01	B			2.38E-01	B			3.52E-02	B		
Lead	mg/L	8.00E-03	1.50E-02	ND				ND				2.38E-03	J		
Magnesium	mg/L	2.13E+01	NA	4.63E+00				3.86E+00				3.19E+00			
Manganese	mg/L	5.81E-01	7.35E-02	1.92E-01			YES	1.53E-02	B			3.78E-02			
Selenium	mg/L	NA	7.82E-03	ND				1.63E-03	B			ND			
Silver	mg/L	4.00E-03	7.82E-03	5.59E-03	B	YES		5.56E-03	B	YES		ND			
Sodium	mg/L	1.48E+01	NA	1.66E+00				1.54E+00				1.38E+00			

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

Note: Blank results indicate constituent was not analyzed for.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998, *Final Background Metals Survey, 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 - Compound was positively identified; reported value is an estimated concentration.

mg/L - Milligrams per liter.

NA - Not available.

ND - Not detected.

VQ - Data validation qualifier.

Table 4-4

Surface Water Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-SW/SD01				
				Parcel:	HR-74Q				
				Sample No:	PJ2001				
				Sample Date:	1-Mar-02				
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**ESV[b]**	**Results**	**VQ**	**>BKG**	**>SSSL**	**>ESV**
METALS									
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	2.38E-01				YES
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	9.16E-02		YES		YES
Beryllium	mg/L	3.90E-04	1.75E-02	5.30E-04	1.03E-03	B	YES		YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	7.63E+01		YES		
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	3.52E-01	J			
Lead	mg/L	8.67E-03	1.50E-02	1.32E-03	3.97E-03	J			YES
Magnesium	mg/L	1.10E+01	NA	8.20E+01	1.20E+01		YES		
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	1.76E-02	J			
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.14E+00	J			
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.57E+00				

Table 4-4

Surface Water Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q-X
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-SW/SD01					HR-76Q-SW/SD02					HR-76Q-SW/SD03				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample No:	PK2001					PK2002					PK2003				
				Sample Date:	15-May-02					15-May-02					14-May-02				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	Qual	>BKG	>SSSL	>ESV	Results	Qual	>BKG	>SSSL	>ESV	Results	Qual	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	1.06E-01	J			YES	2.09E-01				YES	1.37E-01	J			YES
Arsenic	mg/L	2.17E-03	7.30E-04	1.90E-01	ND					ND					3.18E-03	B	YES	YES	
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	2.86E-02				YES	4.52E-02				YES	4.01E-02				YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	2.82E+00					9.68E+00					5.91E-01	J			
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	7.56E-02	J				7.19E-01	J				1.68E-01	J			
Lead	mg/L	8.67E-03	1.50E-02	1.32E-03	ND					ND					2.32E-03	J			YES
Magnesium	mg/L	1.10E+01	NA	8.20E+01	1.39E+00					4.19E+00					6.73E-01	J			
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	4.14E-03	J				9.97E-02	J			YES	3.38E-02	J			
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.10E+00	J				ND					1.39E+00	J			
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.26E+00					7.49E-01	J				1.12E+00				
VOLATILE ORGANIC COMPOUNDS																			
Methylene chloride	mg/L	NA	1.42E-01	1.93E+00	ND					ND					2.10E-04	B			

Table 4-4

Surface Water Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SW/SD01					HR-79Q-SW/SD02					HR-79Q-SW/SD03				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample No:	PL2001					PL2002					PL2004				
				Sample Date:	18-Mar-02					19-Mar-02					20-Mar-02				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	ND					ND					5.19E-02	J			
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	6.67E-02				YES	9.29E-02		YES		YES	6.61E-02				YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	5.37E+01		YES			7.93E+01		YES			5.05E+01		YES		
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	7.30E-02	J				4.04E-02	J				1.28E-01	J			
Lead	mg/L	8.67E-03	1.50E-02	1.32E-03	ND					ND					ND				
Magnesium	mg/L	1.10E+01	NA	8.20E+01	5.78E+00					4.71E+00					5.69E+00				
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	1.31E-02	J				3.40E-03	J				1.85E-02	J			
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.03E+00	J				ND					ND				
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.15E+00					1.18E+00					1.21E+00				
VOLATILE ORGANIC COMPOUNDS																			
Methylene chloride	mg/L	NA	1.42E-01	1.93E+00	2.80E-04	B				2.90E-04	B				3.20E-04	B			

Table 4-4

Surface Water Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SW/SD04					HR-79Q-SW/SD05					HR-79Q-SW/SD06				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample No:	PL2005					PL2006					PL2007				
				Sample Date:	20-Mar-02					21-Mar-02					21-Mar-02				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
METALS																			
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	ND														
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	5.09E-02				YES										
Calcium	mg/L	2.52E+01	NA	1.16E+02	3.61E+01		YES												
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	1.25E-01	J													
Lead	mg/L	8.67E-03	1.50E-02	1.32E-03	ND					1.64E-03	J			YES	ND				
Magnesium	mg/L	1.10E+01	NA	8.20E+01	6.12E+00														
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	1.29E-02	J													
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.04E+00	J													
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.17E+00														
VOLATILE ORGANIC COMPOUNDS																			
Methylene chloride	mg/L	NA	1.42E-01	1.93E+00	2.40E-04	B													

Table 4-4

Surface Water Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcel 83Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-SW/SD01				
				Parcel:	HR-83Q				
				Sample No:	NN2001				
				Sample Date:	8-Nov-01				
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**ESV[b]**	**Results**	**VQ**	**>BKG**	**>SSSL**	**>ESV**
METALS									
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	7.29E-02				YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	8.44E+01	J	YES		
Magnesium	mg/L	1.10E+01	NA	8.20E+01	7.73E+00				
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.08E+00				

Table 4-4

Surface Water Analytical Results
Baby Bains Gap Road Ranges
Range 25 East, Parcel 223Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-SW/SD01				
				Parcel:	HR-223Q				
				Sample No:	PN2001				
				Sample Date:	14-Mar-02				
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**ESV[b]**	**Results**	**VQ**	**>BKG**	**>SSSL**	**>ESV**
METALS									
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	1.05E-01	J			YES
Barium	mg/L	7.54E-02	1.10E+00	3.90E-03	2.67E-02				YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	6.24E+00				
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	5.27E-02	J			
Magnesium	mg/L	1.10E+01	NA	8.20E+01	1.28E+00				
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.69E+00	J			
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.14E+00				

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

Note: Blank results indicate constituent was not analyzed for.

[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 human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT (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 - Compound was positively identified; reported value is an estimated concentration.

mg/L - Milligrams per liter.

NA - Not available.

ND - Not detected.

VQ - Data validation qualifier.

Table 4-5

Sediment Analytical Results
Baby Bains Gap Road Ranges
Range 18, Parcel 74Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-74Q-SW/SD01				
				Parcel:	HR-74Q				
				Sample No:	PJ1001				
				Sample Date:	1-Mar-02				
				Sample Depth:	0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV
METALS									
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	8.20E+03				
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	5.14E+00				
Barium	mg/kg	9.89E+01	8.36E+04	NA	5.88E+01				
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	5.61E-01	J			
Calcium	mg/kg	1.11E+03	NA	NA	7.17E+02				
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	2.15E+01				
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	6.03E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	2.02E+01	J	YES		YES
Iron	mg/kg	3.53E+04	3.59E+05	NA	1.78E+04				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	1.29E+02		YES		YES
Magnesium	mg/kg	9.06E+02	NA	NA	8.41E+02				
Manganese	mg/kg	7.12E+02	4.38E+04	NA	1.34E+02				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	9.17E+00				
Potassium	mg/kg	1.01E+03	NA	NA	1.41E+03		YES		
Selenium	mg/kg	7.20E-01	5.96E+03	NA	9.00E-01	B	YES		
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	1.77E+01				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	5.68E+01		YES		
TOTAL ORGANIC CARBON									
Total Organic Carbon	mg/kg	NA	NA	NA	4.73E+01				
VOLATILE ORGANIC COMPOUNDS									
2-Butanone	mg/kg	NA	6.23E+05	1.37E-01	5.70E-03	J			
Acetone	mg/kg	NA	1.03E+05	4.53E-01	7.20E-02	J			

Table 4-5

Sediment Analytical Results
Baby Bains Gap Road Ranges
Range 20, Parcel 76Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-76Q-SW/SD01					HR-76Q-SW/SD02					HR-76Q-SW/SD03				
				Parcel:	HR-76Q					HR-76Q					HR-76Q				
				Sample No:	PK1001					PK1002					PK1003				
				Sample Date:	15-May-02					15-May-02					14-May-02				
				Sample Depth:	0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
HERBICIDES																			
MCPP	mg/kg	NA	1.04E+03	NA	2.60E+00	J				ND					1.90E+00	J			
PESTICIDES																			
4,4'-DDT	mg/kg	NA	1.66E+02	3.30E-03	ND					ND					3.20E-02	J			YES
alpha-BHC	mg/kg	NA	1.17E+01	6.00E-03	9.50E-04	J				1.20E-03	J				8.70E-03	J			YES
gamma-Chlordane	mg/kg	NA	1.35E+02	1.70E-03	ND					ND					8.90E-02				YES
METALS																			
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	7.29E+03					1.03E+04		YES			8.42E+03				
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	7.11E+00					2.46E+00					2.96E+00				
Barium	mg/kg	9.89E+01	8.36E+04	NA	1.19E+02		YES			2.00E+02		YES			1.52E+02		YES		
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	1.24E+00	J	YES			7.46E-01	J				8.43E-01	J			
Calcium	mg/kg	1.11E+03	NA	NA	3.87E+02					2.32E+03		YES			2.05E+02				
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	2.50E+01					1.01E+01					1.00E+01				
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	1.27E+01		YES			7.07E+00					8.12E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	1.69E+01					1.46E+01					1.91E+01		YES		YES
Iron	mg/kg	3.53E+04	3.59E+05	NA	4.25E+04		YES			1.24E+04					1.80E+04				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	3.37E+01				YES	1.61E+01					5.68E+01	J	YES		YES
Magnesium	mg/kg	9.06E+02	NA	NA	4.85E+02					1.32E+03		YES			5.86E+02				
Manganese	mg/kg	7.12E+02	4.38E+04	NA	5.94E+02					1.76E+02					4.67E+02				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	1.17E+01					5.97E+00					6.94E+00				
Potassium	mg/kg	1.01E+03	NA	NA	1.50E+03		YES			1.48E+03		YES			2.10E+03		YES		
Sodium	mg/kg	6.92E+02	NA	NA	6.25E+01	J				ND					5.20E+01	J			
Thallium	mg/kg	1.30E-01	7.78E+01	NA	1.32E+00	J	YES			ND					ND				
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	2.20E+01					1.66E+01					1.38E+01				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	3.85E+01					5.20E+01					2.01E+01				
TOTAL ORGANIC CARBON																			
Total Organic Carbon	mg/kg	NA	NA	NA	7.66E+03					4.17E+03					8.38E+03				
VOLATILE ORGANIC COMPOUNDS																			
Acetone	mg/kg	NA	1.03E+05	4.53E-01	7.30E-02	J				4.40E-02	J				5.50E-02	J			
Methylene chloride	mg/kg	NA	9.84E+03	1.26E+00	1.90E-03	B				2.60E-03	B				ND				

Table 4-5

Sediment Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SW/SD01					HR-79Q-SW/SD02					HR-79Q-SW/SD03				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample No:	PL1001					PL1002					PL1003				
				Sample Date:	18-Mar-02					19-Mar-02					20-Mar-02				
				Sample Depth:	0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
Heptachlor	mg/kg	NA	1.60E+01	6.00E-04	ND					ND					9.90E-04	J			YES
alpha-BHC	mg/kg	NA	1.17E+01	6.00E-03	ND					1.60E-03	J				ND				
METALS																			
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	3.79E+03					1.40E+04		YES			4.91E+03				
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	6.73E+00	J				1.03E+01	J			YES	3.81E+00	J			
Barium	mg/kg	9.89E+01	8.36E+04	NA	6.63E+01	J				1.25E+02	J	YES			4.90E+01	J			
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	6.65E-01	J				6.85E-01	J				7.90E-01	J			
Calcium	mg/kg	1.11E+03	NA	NA	5.58E+02					2.42E+03		YES			9.18E+02				
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	1.77E+01					2.31E+01					1.12E+01				
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	7.11E+00	J				1.54E+01	J	YES			6.17E+00	J			
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	7.81E+00					4.10E+01		YES		YES	2.20E+02		YES		YES
Iron	mg/kg	3.53E+04	3.59E+05	NA	2.35E+04					3.05E+04					1.72E+04				
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	3.49E+01	J			YES	5.33E+02	J	YES	YES	YES	2.94E+01	J			
Magnesium	mg/kg	9.06E+02	NA	NA	1.96E+02					6.89E+02					3.28E+02				
Manganese	mg/kg	7.12E+02	4.38E+04	NA	7.22E+02		YES			8.61E+02		YES			1.13E+02				
Mercury	mg/kg	1.10E-01	2.99E+02	1.30E-01	ND					9.21E-02	J				ND				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	4.10E+00	J				1.09E+01	J				6.08E+00	J			
Potassium	mg/kg	1.01E+03	NA	NA	3.61E+02	J				7.79E+02					6.46E+02	J			
Selenium	mg/kg	7.20E-01	5.96E+03	NA	ND					ND					ND				
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	2.25E+01					3.00E+01					1.35E+01				
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	2.45E+01					5.70E+01		YES			3.29E+01				
TOTAL ORGANIC CARBON																			
Total Organic Carbon	mg/kg	NA	NA	NA	2.23E+01					6.11E+01					2.80E+01				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	6.23E+05	1.37E-01	2.90E-02					1.50E-02	J				ND				
Acetone	mg/kg	NA	1.03E+05	4.53E-01	3.10E-01					1.70E-01					6.30E-02				
Carbon disulfide	mg/kg	NA	1.04E+05	1.34E-01	ND					ND					ND				
Methylene chloride	mg/kg	NA	9.84E+03	1.26E+00	3.60E-03	J				ND					ND				
Toluene	mg/kg	NA	2.11E+05	6.70E-01	ND					ND					ND				

Table 4-5

Sediment Analytical Results
Baby Bains Gap Road Ranges
Range 23, Parcel 79Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-79Q-SW/SD04					HR-79Q-SW/SD05					HR-79Q-SW/SD06				
				Parcel:	HR-79Q					HR-79Q					HR-79Q				
				Sample No:	PL1004					PL1005					PL1006				
				Sample Date:	20-Mar-02					20-Mar-02					20-Mar-02				
				Sample Depth:	0- .5					0- .5					0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV	Results	VQ	>BKG	>SSSL	>ESV
PESTICIDES																			
Heptachlor	mg/kg	NA	1.60E+01	6.00E-04	1.20E-03	J			YES										
alpha-BHC	mg/kg	NA	1.17E+01	6.00E-03	ND														
METALS																			
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	1.57E+04		YES												
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	9.50E+00	J			YES										
Barium	mg/kg	9.89E+01	8.36E+04	NA	2.34E+02	J	YES												
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	1.81E+00		YES												
Calcium	mg/kg	1.11E+03	NA	NA	3.93E+03		YES												
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	1.66E+01														
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	1.07E+01	J													
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	1.80E+01		YES												
Iron	mg/kg	3.53E+04	3.59E+05	NA	2.89E+04														
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	3.04E+01	J			YES	3.81E+01		YES		YES	3.07E+01				YES
Magnesium	mg/kg	9.06E+02	NA	NA	1.38E+03		YES												
Manganese	mg/kg	7.12E+02	4.38E+04	NA	2.04E+03		YES												
Mercury	mg/kg	1.10E-01	2.99E+02	1.30E-01	5.35E-02	J													
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	1.26E+01	J													
Potassium	mg/kg	1.01E+03	NA	NA	1.29E+03		YES												
Selenium	mg/kg	7.20E-01	5.96E+03	NA	9.45E-01	J	YES												
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	2.50E+01														
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	7.39E+01		YES												
TOTAL ORGANIC CARBON																			
Total Organic Carbon	mg/kg	NA	NA	NA	4.35E+01					6.20E+01					6.40E+01				
VOLATILE ORGANIC COMPOUNDS																			
2-Butanone	mg/kg	NA	6.23E+05	1.37E-01	5.00E-02														
Acetone	mg/kg	NA	1.03E+05	4.53E-01	5.20E-01				YES										
Carbon disulfide	mg/kg	NA	1.04E+05	1.34E-01	4.20E-03	J													
Methylene chloride	mg/kg	NA	9.84E+03	1.26E+00	ND														
Toluene	mg/kg	NA	2.11E+05	6.70E-01	2.20E-03	J													

Table 4-5

Sediment Analytical Results
Baby Bains Gap Road Ranges
Range 25, Parcel 83Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-83Q-SW/SD01				
				Parcel:	HR-83Q				
				Sample No:	NN1001				
				Sample Date:	8-Nov-01				
				Sample Depth:	0- .5				
Parameter	Units	BKG[a]	SSSL[b]	ESV[b]	Results	VQ	>BKG	>SSSL	>ESV
METALS									
Aluminum	mg/kg	8.59E+03	1.15E+06	NA	8.70E+03		YES		
Antimony	mg/kg	7.30E-01	4.22E+02	1.20E+01	5.98E+00	J	YES		
Arsenic	mg/kg	1.13E+01	5.58E+01	7.24E+00	1.12E+01	J			YES
Barium	mg/kg	9.89E+01	8.36E+04	NA	7.27E+01	J			
Beryllium	mg/kg	9.70E-01	1.50E+02	NA	1.10E+00	J	YES		
Calcium	mg/kg	1.11E+03	NA	NA	1.31E+04	J	YES		
Chromium	mg/kg	3.12E+01	2.79E+03	5.23E+01	1.36E+02	J	YES		YES
Cobalt	mg/kg	1.10E+01	6.72E+04	5.00E+01	9.97E+00				
Copper	mg/kg	1.71E+01	4.74E+04	1.87E+01	1.23E+01				
Iron	mg/kg	3.53E+04	3.59E+05	NA	5.72E+04	J	YES		
Lead	mg/kg	3.78E+01	4.00E+02	3.02E+01	2.00E+01				
Magnesium	mg/kg	9.06E+02	NA	NA	6.76E+03	J	YES		
Manganese	mg/kg	7.12E+02	4.38E+04	NA	6.66E+02				
Nickel	mg/kg	1.30E+01	1.76E+04	1.59E+01	1.31E+01		YES		
Potassium	mg/kg	1.01E+03	NA	NA	6.25E+02	J			
Silver	mg/kg	3.20E-01	6.07E+03	2.00E+00	4.69E+00		YES		YES
Sodium	mg/kg	6.92E+02	NA	NA	2.79E+01	J			
Vanadium	mg/kg	4.09E+01	4.83E+03	NA	2.60E+01	J			
Zinc	mg/kg	5.27E+01	3.44E+05	1.24E+02	4.12E+01	J			
TOTAL ORGANIC CARBON									
Total Organic Carbon	mg/kg	NA	NA	NA	3.58E+01	J			
VOLATILE ORGANIC COMPOUNDS									
2-Butanone	mg/kg	NA	6.23E+05	1.37E-01	1.30E-02	J			
Acetone	mg/kg	NA	1.03E+05	4.53E-01	2.30E-01	J			
Methylene chloride	mg/kg	NA	9.84E+03	1.26E+00	2.80E-03	B			
Toluene	mg/kg	NA	2.11E+05	6.70E-01	1.30E-03	J			

Table 4-5

Sediment Analytical Results
Baby Bains Gap Road Ranges
Ranges 25 East and 28, Parcels 223Q and 86Q
Fort McClellan, Calhoun County, Alabama

				Sample Location:	HR-223Q-SW/SD01				
				Parcel:	HR-223Q				
				Sample No:	PN1001				
				Sample Date:	14-Mar-02				
				Sample Depth:	0- .5				
Parameter	**Units**	**BKG[a]**	**SSSL[b]**	**ESV[b]**	**Results**	**VQ**	**>BKG**	**>SSSL**	**>ESV**
PESTICIDES									
gamma-Chlordane	mg/kg	NA	1.69E+00	1.00E-01	4.20E-03				
METALS									
Aluminum	mg/kg	1.63E+04	7.80E+03	5.00E+01	4.17E+03				YES
Arsenic	mg/kg	1.37E+01	4.26E-01	1.00E+01	2.01E+00			YES	
Barium	mg/kg	1.24E+02	5.47E+02	1.65E+02	4.47E+01	J			
Beryllium	mg/kg	8.00E-01	9.60E+00	1.10E+00	5.42E-01	J			
Calcium	mg/kg	1.72E+03	NA	NA	3.55E+03	J	YES		
Chromium	mg/kg	3.70E+01	2.32E+01	4.00E-01	1.06E+01	J			YES
Cobalt	mg/kg	1.52E+01	4.68E+02	2.00E+01	5.33E+00	J			
Copper	mg/kg	1.27E+01	3.13E+02	4.00E+01	1.06E+01				
Iron	mg/kg	3.42E+04	2.34E+03	2.00E+02	1.53E+04	J		YES	YES
Lead	mg/kg	4.01E+01	4.00E+02	5.00E+01	1.71E+01	J			
Magnesium	mg/kg	1.03E+03	NA	4.40E+05	2.15E+03	J	YES		
Manganese	mg/kg	1.58E+03	3.63E+02	1.00E+02	3.19E+02	J			YES
Nickel	mg/kg	1.03E+01	1.54E+02	3.00E+01	5.55E+00				
Potassium	mg/kg	8.00E+02	NA	NA	8.65E+02		YES		
Sodium	mg/kg	6.34E+02	NA	NA	1.46E+02				
Vanadium	mg/kg	5.88E+01	5.31E+01	2.00E+00	8.14E+00				YES
Zinc	mg/kg	4.06E+01	2.34E+03	5.00E+01	2.06E+01	J			
TOTAL ORGANIC CARBON									
Total Organic Carbon	mg/kg	NA	NA	NA	3.42E+01				
VOLATILE ORGANIC COMPOUNDS									
Acetone	mg/kg	NA	7.76E+02	2.50E+00	1.20E-01	J			

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods.

Note: Blank results indicate constituent was not analyzed for.

[a] BKG - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in SAIC, 1998. *Final Background Metals Survey, 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,*

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

J - Compound was positively identified; reported value is an estimated concentration.

mg/kg - Milligrams per kilogram. ND - Not detected.

NA - Not available. VQ - Data validation qualifier.

Table 4-6

XRF Survey Analytical Results
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample					XRF Analysis[a]						
Parcel	Location	Depth (ft)	Date	Time	Date	Time	Analyte	Conc	SD	Count	Comment
Range 25, Parcels 83Q/118Q											
118	GP12	0 to 1	08/28/02	18:25	08/28/02	19:05	Pb	461	25	122	Sieve prep
							Cu	< 46			
118	GP12+50'NE	0 to 1	09/12/02				Pb	846		30	In situ measurement
118	GP12+100'NE	0 to 1	09/12/02				Pb	597		30	In situ measurement
118	GP12+150'NE	0 to 1	09/12/02				Pb	737		30	In situ measurement
118	GP12+200'NE	0 to 1	09/12/02				Pb	1060		30	In situ measurement
118	GP12+300'NE	0 to 1	09/12/02				Pb	243		30	In situ measurement
			09/12/02	10:40	09/12/02	17:55	Pb	473	27	121	Sieve prep
118	GP13	0 to 1	08/28/02	18:10	09/03/02	17:05	Pb	2820	74	140	Dried, crushed, sieve prep,
							Cu	187	48		2 bullets found
118	GP13+100'NE	0 to 1	09/12/02				Pb	854		30	In situ measurement
118	GP13+200'NE	0 to 1	09/12/02				Pb	108		30	In situ measurement
			09/12/02	14:50	09/12/02	18:20	Pb	87.6	14	122	Sieve prep
118	GP14	0 to 1	08/28/02	17:55	08/28/02	19:20	Pb	3510	78	121	Sieve prep, 2 bullets found
							Cu	96.4	40		
118	GP14+100'NE	0 to 1	09/12/02				Pb	6020		30	In situ measurement
118	GP14+200'NE	0 to 1	09/12/02				Pb	175		30	In situ measurement
			09/12/02	15:00	09/12/02	18:30	Pb	590	30	121	Sieve prep, EMAX Lab split
118	GP15	0 to 1	08/28/02	17:40	08/28/02	19:30	Pb	2700	68	122	Sieve prep, bullet observed
							Cu	245	46		
118	GP15+100'NE	0 to 1	09/12/02				Pb	266		30	In situ measurement
			09/12/02	14:30	09/12/02	18:15	Pb	153	17	122	Sieve prep
118	GP16	0 to 1	08/28/02	17:30	08/28/02	19:40	Pb	1410	49	122	Sieve prep
							Cu	101	41		
118	GP16+100'NE	0 to 1	09/12/02				Pb	458		30	In situ measurement
118	GP16+200'NE	0 to 1	09/12/02				Pb	100		30	In situ measurement
			09/12/02	13:55	09/12/02	18:05	Pb	350	24	121	Sieve prep, frag observed
118	GP16+100'NW	0 to 1	09/12/02				Pb	496		30	In situ measurement
	GP16+150'NW	0 to 1	09/12/02				Pb	866		30	In situ measurement
			09/12/02	14:15	09/12/02	18:10	Pb	1300	44	126	Sieve prep, frag observed
Range 18, Parcel 74Q											
74	GP47	0 to 1	08/23/02	10:15	08/28/02	12:00	Pb	3950	99	123	Dried, crushed, sieve prep
							Cu	646	74		Zn=202+/-44
74	GP47+100'SE	0 to 1	09/12/02				Pb	3200		30	In situ measurement
74	GP47+200'SE	0 to 1	09/12/02				Pb	1840		30	In situ measurement
74	GP47+300'SE	0 to 1	09/12/02				Pb	341		30	In situ measurement
			09/12/02	9:25	09/12/02	17:50	Pb	367	23	123	Sieve prep
74	GP47+100'E	0 to 1	09/12/02				Pb	1200		30	In situ measurement
74	GP47+150'E	0 to 1	09/12/02	9:50			Pb	1740		30	In situ measurement
74	GP48	0 to 1	08/23/02	10:05	08/26/02	13:45	Pb	150	16	121	Sieve prep
							Cu	< 53			

Table 4-6

XRF Survey Analytical Results
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample					XRF Analysis[a]						
Parcel	Location	Depth (ft)	Date	Time	Date	Time	Analyte	Conc	SD	Count	Comment
Range 18, Parcel 74Q (Continued)											
74	GP49	0 to 1	08/23/02	9:55	08/26/02	14:00	Pb	636	31	124	Sieve prep, copper jacket
							Cu	81.2	39		observed
74	GP50	0 to 1	08/23/02	9:45	08/26/02	14:15	Pb	210	19	123	Sieve prep
							Cu	96.5	41		
74	GP51	0 to 1	08/22/02	15:55	08/22/02	16:45	Pb	59.2	12	122	Sieve prep
							Cu	< 51			
74	GP52	0 to 1	08/22/02	15:25	08/22/02	16:55	Pb	111	15	122	Sieve prep
							Cu	< 52			
74	GP53	0 to 1	08/22/02	15:15	08/22/02	17:00	Pb	52.1	11	122	Sieve prep
							Cu	< 52			
74	GP54	0 to 1	08/21/02	14:55	08/21/02	19:35	Pb	157	18	129	Sieve prep
							Cu	< 57			
74	GP55	0 to 1	08/23/02	9:20	08/28/02	12:10	Pb	388	29	121	Dried, crushed, sieve prep
							Cu	161	53		copper jacket observed
74	GP56	0 to 1	08/23/02	9:10	08/26/02	14:30	Pb	2900	83	126	Sieve prep, several copper
							Cu	624	77		jacket fragments observed
74	GP56+100'SE	0 to 1	09/11/02				Pb	366		30	In situ measurement
			09/11/02	15:15	09/11/02	17:15	Pb	465	29	121	Sieve prep
74	GP57	0 to 1	08/23/02	9:05	08/28/02	12:15	Pb	3700	95	123	Dried, crushed, sieve prep
							Cu	805	80		bullet fragments observed
74	GP57+50'SE	0 to 1	09/11/02				Pb	1130		30	In situ, Cu=180
			09/11/02	15:45	09/11/02	17:25	Pb	1340	49	122	Sieve prep, Cu=196+/-49,
											** EMAX Split **
74	GP58	0 to 1	08/23/02	8:50	08/26/02	14:55	Pb	4600	110	126	Sieve prep,
							Cu	760	75		bullet fragments observed
74	GP58+100'E	0 to 1	09/12/02				Pb	3400		30	In situ measurement
74	GP58+200'E	0 to 1	09/12/02				Pb	86		30	In situ measurement
			09/12/02	7:00	09/12/02	17:30	Pb	132	17	121	Sieve prep
74	GP58+100'SE	0 to 1	09/12/02				Pb	1670		30	In situ measurement
74	GP58+150'SE		09/12/02				Pb	236		30	In situ measurement
			09/12/02	7:25	09/12/02	17:35	Pb	113	16	120	Sieve prep
74	GP58+100'ESE	0 to 1	09/12/02				Pb	4200		30	In situ measurement
74	GP58+150'ESE	0 to 1	09/12/02				Pb	862		30	In situ measurement
74	GP58+175'ESE	0 to 1	09/12/02				Pb	918		30	In situ measurement
74	GP58+200'ESE	0 to 1	09/12/02				Pb	2310		30	In situ measurement
74	GP58+250'ESE	0 to 1	09/12/02				Pb	122		30	In situ measurement
			09/12/02	7:35	09/12/02	17:45	Pb	152	19	120	Sieve prep
74	GP59	0 to 1	08/21/02	14:25	08/21/02	19:25	Pb	609	30	129	Sieve prep
							Cu	57	38		
74	GP60	0 to 1	08/21/02	15:05	08/28/02	12:25	Pb	30.4	11	150	Dried, crushed, sieve prep
							Cu	< 56			

Table 4-6

XRF Survey Analytical Results
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample					XRF Analysis[a]						
Parcel	Location	Depth (ft)	Date	Time	Date	Time	Analyte	Conc	SD	Count	Comment
Range 18, Parcel 74Q (Continued)											
74	GP61	0 to 1	08/21/02	14:15	08/28/02	12:40	Pb	155	18	123	Dried, crushed, sieve prep
							Cu	< 59			
74	GP62	0 to 1	08/21/02	14:40	08/21/02	20:00	Pb	427	24	140	Sieve prep
							Cu	63.4	36		
74	GP63	0 to 1	08/21/02	13:55	08/21/02	20:15	Pb	721	33	124	Sieve prep
							Cu	105	40		
74	GP63+200'SE	0 to 1	09/11/02				Pb	359		30	In situ measurement
74	GP63+300'SE	0 to 1	09/11/02				Pb	141		30	In situ measurement
			09/11/02	11:10	09/11/02	16:40	Pb	140	16	120	Sieve prep
74	GP64	0 to 1	08/21/02	12:55	08/28/02	12:50	Pb	5520	110	130	Dried, crushed, sieve prep
							Cu	325	57		
74	GP64+100'SE	0 to 1	09/11/02				Pb	2160		30	In situ measurement
74	GP64+200'SE	0 to 1	09/11/02				Pb	278		30	In situ measurement
			09/11/02	14:45	09/11/02	17:10	Pb	434	26	121	Sieve prep, Cu=171+/-42
74	GP65	0 to 1	08/21/02	12:35	08/21/02	20:30	Pb	33.2	12	122	Sieve prep
							Cu	< 58			
74	GP66	0 to 1	08/23/02	8:20	08/26/02	15:05	Pb	3040	75	121	Sieve prep, several copper
							Cu	730	66		jacket fragments observed
74	GP66+100'SE	0 to 1	09/11/02				Pb	2610		30	In situ measurement
74	GP66+200'SE	0 to 1	09/11/02				Pb	80.3		30	In situ measurement
			09/11/02	11:25	09/11/02	16:45	Pb	32.8	11	121	Sieve prep
74	GP66+300'SE	0 to 1	09/11/02				Pb	700		30	In situ measurement
74	GP66+400'SE	0 to 1	09/11/02				Pb	278		30	In situ measurement
			09/11/02	11:35	09/11/02	16:55	Pb	397	25	121	Sieve prep, ** EMAX Split **
74	GP66+100'E	0 to 1	09/11/02				Pb	3540		30	In situ measurement
74	GP66+200'E	0 to 1	09/11/02				Pb	1560		30	In situ measurement
74	GP66+250'E	0 to 1	09/11/02				Pb	297		30	In situ measurement
			09/11/02	14:05	09/11/02	17:00	Pb	367	25	121	Sieve prep, Cu=70.9+/-40
74	GP67	0 to 1	08/21/02	13:20	08/21/02	20:40	Pb	2550	66	121	Sieve prep
							Cu	594	58		
74	GP67+100'SE	0 to 1	09/11/02				Pb	567		30	In situ measurement
74	GP67+200'SE	0 to 1	09/11/02				Pb	1610		30	In situ measurement
74	GP67+300'SE	0 to 1	09/11/02				Pb	2970		30	In situ measurement
74	GP67+400'SE	0 to 1	09/11/02				Pb	224		30	In situ measurement
			09/11/02	14:30	09/11/02	17:05	Pb	234	20	121	Sieve prep, Cu=123+/-40
74	GP68	0 to 1	08/21/02	14:05	08/21/02	20:50	Pb	709	32	123	Sieve prep
							Cu	65.8	36		
74	GP76+100'SE	0 to 1	09/12/02				Pb	39.3		30	In situ measurement
74	GP76+200'SE	0 to 1	09/12/02				Pb	< 30		30	In situ measurement
74	GP76+300'SE	0 to 1	09/12/02	8:35			Pb	< 36		30	In situ measurement

Table 4-6

XRF Survey Analytical Results
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample					XRF Analysis[a]						
Parcel	Location	Depth (ft)	Date	Time	Date	Time	Analyte	Conc	SD	Count	Comment
Range 20, Parcel 76Q-X											
76	GP14	0 to 1	08/29/02	11:15	09/03/02	16:35	Pb	220	21	122	Dry, crush, sieve prep, frag
							Cu	< 58			observed at location
76	GP14	1 to 2	08/29/02	11:20	09/03/02	14:50	Pb	67.5	13	120	Sieve prep
							Cu	< 52			
76	GP14	2 to 2.5	08/29/02	11:25	09/03/02	16:55	Pb	48.2	12	122	Dry, crush, sieve prep
							Cu	< 53			
76	GP15	0 to 1	08/29/02	10:00	09/03/02	16:25	Pb	882	39	123	Dry, crush, sieve prep
							Cu	< 60			
76	GP15	1 to 2	08/29/02	10:10	08/29/02	14:25	Pb	210	19	122	Sieve prep
							Cu	< 54			
76	GP16	0 to 1	08/29/02	9:05	08/29/02	14:30	Pb	< 16		125	Sieve prep
							Cu	< 62			
76	GP16	1 to 2	08/29/02	9:10	08/29/02	14:35	Pb	< 15		122	Sieve prep
							Cu	< 53			
76	GP16	2 to 2.5	08/29/02	9:15	08/29/02	14:45	Pb	< 18		122	Sieve prep
							Cu	< 71			
76	GP16	2.5 to 3	08/29/02	9:20	08/29/02	14:50	Pb	20.2	11	121	Sieve prep
							Cu	< 61			
76	GP17	0 to 1	08/29/02	9:30	08/29/02	14:55	Pb	< 12		121	Sieve prep
							Cu	< 49			
76	GP17	1 to 2	08/29/02	9:35	08/29/02	15:00	Pb	18.3	10	120	Sieve prep, Cr=355+/-160
							Cu	< 54			
76	GP17	2 to 2.5	08/29/02	9:40	08/29/02	15:05	Pb	16.2	10	122	Sieve prep
							Cu	< 56			
76	GP17	2.5 to 3	08/29/02	9:45	08/29/02	15:10	Pb	< 15		120	Sieve prep
							Cu	< 61			
76	GP18	0 to 1	08/29/02	10:30	08/29/02	15:15	Pb	44	11	124	Sieve prep
							Cu	< 51			
76	GP18	1 to 2	08/29/02	10:35	08/29/02	15:20	Pb	29.4	11	121	Sieve prep
							Cu	< 55			
76	GP18	2 to 2.5	08/29/02	10:40	08/29/02	15:25	Pb	25.8	11	122	Sieve prep
							Cu	< 60			
76	GP19	0 to 1	08/29/02	11:00	08/29/02	15:30	Pb	54.3	12	124	Sieve prep
							Cu	< 51			
76	GP19	1 to 2	08/29/02	11:05	08/29/02	15:40	Pb	46.1	12	121	Sieve prep
							Cu	< 54			
76	GP19	2 to 2.5	08/29/02	11:10	09/03/02	16:45	Pb	24.2	11	124	Dry, crush, sieve prep
							Cu	< 56			
76	GP20	0 to 1	08/29/02	8:35	08/29/02	15:50	Pb	17.9	9.5	121	Sieve prep
							Cu	< 52			

Table 4-6

XRF Survey Analytical Results
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample					XRF Analysis[a]						
Parcel	Location	Depth (ft)	Date	Time	Date	Time	Analyte	Conc	SD	Count	Comment
Range 20, Parcel 76Q-X (Continued)											
76	GP20	1 to 2	08/29/02	8:40	08/29/02	15:55	Pb	23.7	11	121	Sieve prep
							Cu	< 54			
76	GP20	2 to 3	08/29/02	8:45	08/29/02	16:00	Pb	< 15		121	Sieve prep
							Cu	< 57			
76	GP20	3 to 3.5	08/29/02	8:50	08/29/02	16:05	Pb	17.4	9.9	123	Sieve prep
							Cu	< 54			
Range 25 Safety Fan, Parcels 83Q/118Q											
83	R25X01	0 to 1	08/27/02	13:05	08/27/02	13:05	Pb	19	9.4	121	Pan prep
							Cu	< 49			
83	R25X02	0 to 1	08/27/02	13:30	08/27/02	13:30	Pb	33.1	11	121	Pan prep
							Cu	< 55			
83	R25X03	0 to 1	08/21/02	10:35	08/28/02	11:30	Pb	195	20	121	Dry, crush, sieve prep, loc.
							Cu	< 61			on bank of Cane Creek
83	R25X04	0 to 1	08/27/02	11:00	08/27/02	11:00	Pb	19.4	9.8	122	Pan prep
							Cu	< 53			
83	R25X05	0 to 1	08/21/02	9:45	08/21/02	9:45	Pb	18.8	9.7	121	Pan prep
							Cu	< 50			
83	R25X06	0 to 1	08/21/02	9:20	08/21/02	9:20	Pb	16	9.2	122	Pan prep
							Cu	< 49			
83	R25X07	0 to 1	08/21/02	7:45	08/21/02	7:45	Pb	36.3	13	121	Pan prep
							Cu	< 48			
83	R25X08	0 to 1	08/20/02	15:20	08/20/02	15:20	Pb	20	9.9	120	Pan prep
							Cu	< 51			
83	R25X09	0 to 1	08/21/02	8:30	08/21/02	8:30	Pb	54.4	10	122	Pan prep
							Cu	< 45			
83	R25X10	0 to 1	08/20/02	14:00	08/20/02	14:00	Pb	30.5	11	122	Pan prep
							Cu	< 57			
83	R25X11	0 to 1	08/20/02	9:20	08/20/02	9:20	Pb	< 13		121	Pan prep
							Cu	< 49			
83	R25X12	0 to 1	08/20/02	10:20	08/20/02	10:20	Pb	21.6	9	121	Pan prep
							Cu	< 47			
83	R25X13	0 to 1	08/20/02	10:55	08/28/02	11:40	Pb	48.7	11	123	Dry, crush, sieve prep
							Cu	< 53			
83	R25X14	0 to 1	08/22/02	8:30	08/22/02	8:30	Pb	37.8	12	121	Pan prep
							Cu	< 55			
83	R25X15	0 to 1	08/20/02	11:20	08/20/02	11:20	Pb	25.8	9.6	121	Pan prep
							Cu	< 45			
83	R25X16	0 to 1	08/20/02	9:50	08/20/02	9:50	Pb	15.9	9.2	122	Pan prep
							Cu	< 53			
83	R25X17	0 to 1	08/20/02	8:45	08/20/02	8:45	Pb	< 16		120	Pan prep
							Cu	< 64			

Table 4-6

XRF Survey Analytical Results
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample					XRF Analysis[a]						
Parcel	Location	Depth (ft)	Date	Time	Date	Time	Analyte	Conc	SD	Count	Comment
Range 25 Safety Fan, Parcels 83Q/118Q (Continued)											
83	R25X18	0 to 1	08/27/02	9:05	08/27/02	9:05	Pb	29.6	10	123	Pan prep
							Cu	< 51			
83	R25X19	0 to 1	08/27/02	8:30	08/27/02	8:30	Pb	22.3	9.2	122	Pan prep
							Cu	< 46			
83	R25X20	0 to 1	08/22/02	9:33	08/22/02	9:33	Pb	20.2	10	124	Pan prep
							Cu	< 57			
83	R25X21	0 to 1	08/22/02	11:05	08/22/02	11:05	Pb	27.8	9.6	124	Pan prep
							Cu	< 48			
83	R25X22	0 to 1	08/27/02	10:05	08/27/02	10:05	Pb	37	11	121	Pan prep
							Cu	< 55			
83	R25X23	0 to 1	08/27/02	9:35	08/27/02	9:35	Pb	52.4	11	122	Pan prep
							Cu	< 49			
83	R25X24	0 to 1	08/22/02	11:35	08/22/02	11:35	Pb	25.7	11	122	Pan prep
							Cu	< 57			
83	R25X25	0 to 1	08/22/02	10:30	08/22/02	10:30	Pb	38.7	11	120	Pan prep
							Cu	< 50			

[a] XRF analysis was performed using either in situ, pan, sieve, or dry/crush/sieve preparation techniques. Refer to text. **Conc** - concentration in mg/kg, **SD** - standard deviation of the concentration in mg/kg, **Count** - instrument count time in seconds.

Table 4-7

XRF QC Sample Analysis Data
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Sample			XRF Results[a]				EMAX Lab Results[b]		
Parcel	Location	Depth (ft)	Analyte	Conc	SD	Comments	Analyte	Conc	VQ
118	GP13	0 to 1	Pb	2820	74	Dried, crushed, sieve prep,	Lead	2650	
			Cu	187	48	2 bullets found	Antimony	8.31	J
118	GP14+200'NE	0 to 1	Pb	590	30	Sieve prep, EMAX Lab split	Lead	705	
74	GP47	0 to 1	Pb	3950	99	Dried, crushed, sieve prep	Lead	3890	
			Cu	646	74		Copper	800	
							Antimony	7.89	J
74	GP55	0 to 1	Pb	388	29	Dried, crushed, sieve prep	Lead	22100	
			Cu	161	53	copper jacket observed	Copper	125	
							Antimony	162	J
74	GP57	0 to 1	Pb	3700	95	Dried, crushed, sieve prep	Lead	14400	J
			Cu	805	80	bullet fragments observed	Copper	660	J
							Antimony	28.7	J
74	GP57+50'SE	0 to 1	Pb	1340	49	Sieve prep ** EMAX Split **	Lead	1280	
			Cu	196	49		Copper	184	
74	GP60	0 to 1	Pb	30.4	11	Dried, crushed, sieve prep	Lead	24.4	
			Cu	< 56			Copper	10.8	
74	GP61	0 to 1	Pb	155	18	Dried, crushed, sieve prep	Lead	140	
			Cu	< 59			Copper	19	
74	GP64	0 to 1	Pb	5520	110	Dried, crushed, sieve prep	Lead	5000	
			Cu	325	57		Copper	293	
74	GP66+400'SE	0 to 1	Pb	397	25	Sieve prep, ** EMAX Split **	Lead	486	
							Copper	235	
76	GP14	0 to 1	Pb	220	21	Dry, crush, sieve prep, frag	Lead	539	
			Cu	< 58		observed at location			
76	GP14	2 to 2.5	Pb	48.2	12	Dry, crush, sieve prep	Lead	27.2	
			Cu	< 53					
76	GP15	0 to 1	Pb	882	39	Dry, crush, sieve prep	Lead	1120	
			Cu	< 60					
76	GP19	2 to 2.5	Pb	24.2	11	Dry, crush, sieve prep	Lead	21.9	
			Cu	< 56					
83	R25X03	0 to 1	Pb	195	20	Dry, crush, sieve prep, loc.	Lead	183	
			Cu	< 61		on bank of Cane Creek			
83	R25X13	0 to 1	Pb	48.7	11	Dry, crush, sieve prep	Lead	34.5	
			Cu	< 53					
83	R25X23	0 to 1	Pb	52.4	11	Pan prep	Lead	34	
			Cu	< 49					

[a] XRF analysis was performed using either in situ, pan, sieve, or dry/crush/sieve preparation techniques. Refer to text. **Conc** - concentration in mg/kg, **SD** - standard deviation of the concentration in mg/kg.

[b] Laboratory analysis was performed using EPA Method 6010B by EMAX. Antimony results reported for information only (Sb not quantified using XRF). **Conc** - concentration in mg/kg, **VQ** - data validation qualifier: **J** - Parameter was positively identified, reported value is an estimated concentration.

Table 5-1

Summary of Contaminant Impact to Soil, Groundwater, Sediment, and Surface Water
Baby Bains Gap Road Ranges
Fort McClellan, Alabama

Constituent	Surface Soil		Subsurface Soil		Groundwater		Surface Water		Surface Sediment	
	Contiguous Ranges	Range 18	Contiguous Ranges	Range 18	Contiguous Ranges	Range 18	Contiguous Ranges	Range 18	Contiguous Ranges	Range 18
Metals										
Antimony	27	7	7	N	U	U	U	U	1	U
Aresnic	N	1	N	N	N	U	U	U	N	1
Beryllium	N	1	1	N	N	U	U	N	3	1
Cadmium	U	U	N	N	U	U	N	N	U	U
Copper	38	9	14	1	U	U	U	U	4	1
Lead[a]	122	27	13	1	N	U	N	N	3	1
Manganese	N	N	N	N	N	N	U	N	3	U
Mercury	N	N	2	N	U	U	U	U	N	U
Nickel	N	1	N	N	U	U	U	U	1	1
Selenium	N	N	N	N	N	N	U	U	1	1
Silver	N	N	N	N	N	U	U	U	1	U
Zinc	1	2	N	1	N	U	U	U	2	1
Volatiles										
Acetone	41	11	21	5	U	U	U	U	9	1
Toluene	7	U	U	U	U	U	U	U	2	U
Naphthalene	1	U	U	U	U	U	U	U	U	U
2-Butanone	18	11	U	2	U	U	U	U	4	1
2-Hexanone	1	U	U	U	U	U	U	U	U	U
4-Methyl-2-pentanone	3	U	U	U	U	U	U	U	U	U
p-Cymene	2	U	1	U	U	U	U	U	U	U
Methylene chloride	12	U	4	U	1	U	5	U	4	U
Carbon Disulfide	U	U	U	U	1	U	U	U	1	U
Trichloroethene	1	U	U	U	U	U	U	U	U	U
Cis-1,2-Dichlorethene	1	U	U	U	U	U	U	U	U	U
Trichlorofluoromethane	3	1	U	U	U	U	U	U	U	U
Semivolatiles										
2,4-Dinitrotoluene	2	1	1	U	U	U	U	U	U	U
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U
Acenaphthylene	1	1	U	U	U	U	U	U	U	U
Anthracene	1	1	U	U	U	U	U	U	U	U
Benzo(a)anthracene	3	2	U	U	U	U	U	U	U	U
Benzo(a)pyrene	3	2	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	4	2	U	U	U	U	U	U	U	U
Benzo(ghi)perylene	3	1	U	U	U	U	U	U	U	U
Benzo(k)fluoranthene	3	1	U	U	U	U	U	U	U	U

Table 5-1

Summary of Contaminant Impact to Soil, Groundwater, Sediment, and Surface Water
Baby Bains Gap Road Ranges
Fort McClellan, Alabama

	Surface Soil		Subsurface Soil		Groundwater		Surface Water		Surface Sediment	
Chrysene	5	2	U	U	U	U	U	U	U	U
Dibenz(a,h)anthracene	1	1	U	U	U	U	U	U	U	U
Di-n-butyl phthalate	2	2	1	U	U	U	U	U	U	U
Fluoranthene	5	2	U	U	U	U	U	U	U	U
Indeno(1,2,3-cd)pyrene	4	1	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	2	2	1	U	U	U	U	U	U	U
Pentachlorophenol	1	U	U	U	U	U	U	U	U	U
Phenanthrene	1	U	U	U	U	U	U	U	U	U
Pyrene	5	2	U	U	U	U	U	U	U	U
PCBs\Pesticides\Herbicides										
Arochlor 1260	1	U	U	U	U	U	U	U	U	U
2,2-Dichloropropanoic Acid	1	U	U	U	U	U	U	U	U	U
2,4-D	2	U	U	U	U	U	U	U	U	U
2,4-DB	2	U	U	U	U	U	U	U	U	U
4,4'-DDD	1	U	U	U	1	U	U	U	U	U
4,4'-DDE	1	U	U	U	U	U	U	U	U	U
4,4'-DDT	4	1	U	U	1	U	U	U	1	U
Aldrin	3	U	U	U	U	U	U	U	U	U
Dieldrin	4	U	1	U	U	U	U	U	U	U
Dimethoate	1	U	U	U	U	U	U	U	U	U
Dinoseb	1	U	U	U	U	U	U	U	U	U
Disulfoton	1	U	U	U	U	U	U	U	U	U
Endosulfan I	1	U	U	U	1	U	U	U	U	U
Endosulfan II	1	U	U	U	U	U	U	U	U	U
Endosulfan sulfate	3	1	U	U	U	U	U	U	U	U
Endrin ketone	U	1	U	U	U	U	U	U	U	U
Endrin	1	U	1	U	1	U	U	U	U	U
Endrin aldehyde	1	U	U	U	U	U	U	U	U	U
Famphur	1	U	U	U	U	U	U	U	U	U
Heptachlor	2	1	U	U	1	U	U	U	2	U
MCPP	4	2	U	1	U	U	U	U	2	U
alpha-BHC	5	1	U	U	U	U	U	U	4	U
beta-BHC	5	1	2	U	2	1	U	U	U	U
alpha-Chlordane	4	U	1	U	2	U	U	U	U	U
gamma-BHC (Lindane)	2	U	1	U	U	1	U	U	2	U
gamma-Chlordane	1	U	2	U	U	U	U	U	U	U
Nitroaromatic Explosives										
2,4-Dnitrotoluene	2	1	1	U	1	U	U	U	U	U
2,6-Dnitrotoluene	U	U	U	U	1	U	U	U	U	U
2-Amino-4,6-dinitrotoluene	U	U	U	U	U	U	U	U	U	U
2-Nitrotoluene	U	U	U	U	1	U	U	U	U	U
3-Nitrotoluene	U	U	U	U	1	U	U	U	U	U
4-Amino-2,6-dinitrotoluene	U	U	U	U	U	U	U	U	U	U
Nitrobenzene	U	U	U	U	U	U	U	U	U	U

Numeric values are number of detectable concentrations determined not to be naturally occuring, or detectable concentrations of organic compounds.
U - Not detected.
N - Geochemical evaluation indicates all detected concentrations are naturally occurring.

Table 5-2

Soil Screening Levels and Travel Times for Metals of Concern in Soils
Baby Bains Gap Road Ranges
Fort McClellan, Alabama

	Limit[a] (mg/L)	K_d (L/kg or cm3/g)	DAF_1 SSL (mg/kg)	DAF_{20} SSL (mg/kg)	Retardation Factor	Transport Rate (V) (m/yr)	Travel Time (T) (Years)
Antimony	0.006	45	0.3	5	226	1.99E-03	1,017
Arsenic	0.01	29	1.0	29	146	3.08E-03	657
Barium	2	41	82	1600	206	2.18E-03	927
Beryllium	0.004	790	3	63	3,951	1.14E-04	17,779
Cadmium	0.005	75	0.4	8	376	1.20E-03	1,692
Chromium $^{3+}$	**54,750**	2,512		5.5E+08	12,560	3.58E-05	56,520
Chromium $^{6+}$	0.016	19	2	38	96	4.69E-03	432
Cyanide[a]	**0.2**	10	2	40	51	8.91E-03	227
Copper[b]	1.3	79		2,070	398	1.13E-03	1,792
Lead[b,c]	0.015	316	400		1,580	2.84E-04	7,119
Mercury[a]	**0.002**	52	0.1	2	261	1.72E-03	1,174
Nickel	0.1	65	7	130	326	1.38E-03	1,467
Selenium	0.05	5	0.3	5	26	1.73E-02	117
Zinc	11	62	620	12,000	311	1.45E-03	1,399

[a] EPA Region 9 SSL values are not available; values shown are from EPA (1996) SSL Guidance.
[a] Limits are Federal Maximum Contaminant Levels (MCL), MCL goals (MCLG), or Region 9 preliminary remediation goals (PRG).
[b] Partition coefficients are 25th percentile values obtained from EPA, *Partition Coefficients for Metals in Surface Water, Soil, and Waste.*
[c] A soil screening level (SSL) of 400 mg/kg has been set for lead (EPA 1994).
Retardation factor, transport rate (V), and travel time (T) are based on site-specific soil properties, adsorption coefficient (Kd), and percolation rate (0.45 m/yr).
Travel time is computed for the distance from the surface to the water table (6.5 feet or 2 meters).
cm^3/g - Cubic centimeters per gram.
L/kg - Liters per kilogram.
m/yr - Meters per year.
mg/kg - Milligrams per kilogram.
mg/L - Milligrams per liter.

Table 5-3

Physiochemical Properties and Soil Screening Levels for Organic Compounds Detected in Soil and Sediment Samples Baby Bains Gap Road Ranges Fort McClellan, Alabama

Parameter	Maximum Contaminant Level (mg/L)	K_{oc} [a] (L/kg or cm3/g)	Henry's Law Constant (H)	Generic SSL 1 (mg/kg)	DAF_{20} SSL (mg/kg)	Retardation Factor	Transport Rate (V) (m/yr)	Travel Time (T) (years)
VOLATILES								
Acetone[b]	**0.6**	0.58	0.000159	0.8	16	1.17E+00	0.38	5
Toluene	1	140	0.272	0.60	12	4.30E+01	0.034	60
Naphthalene	**6**	1,191	0.020	4	84	3.58E+02	0.004	500
2-Butanone[b,c,d]	**1.90**	5	0.0011		8	2.35E+00	0.617	3
2-Hexanone	**1**	15			7	5.44E+00	0.267	8
4-Methyl-2-pentanone[b,c,d]	**0.16**	134	0.00574		1	4.12E+01	0.035	177
p-Cymene								
Carbon Disulfide	1.043	46	1	2	32	1.47E+01	0.099	21
Methylene chloride	0.005	12	0.0898	0.001	0.02	4.51E+00	0.321	6
Trichloroethene	0.005	166	0.422	0.003	0.06	5.08E+01	0.029	218
cis-1,2-Dichloroethene	0.07	36	0.167	0.020	0.4	1.17E+01	0.124	50
Trichlorofluormethane[b,c]	1.3	160	4		23	4.90E+01	0.030	68
PESTICIDES/HERBICIDES								
Aroclor[d]	**3.36E-05**	309,000		-[d]	-[d]	9.27E+04	0.000	398,424
2,4-DB	0.07	500				1.51E+02	0.010	211
2,4-D	**3.65E-01**	20				7.00E+00	0.207	10
4,4'-DDD[b]	**2.80E-04**	45,800	1.64E-04	0.8	16	1.37E+04	0.000	19,194
4,4'-DDE[b]	**1.98E-04**	86,400	8.61E-04	3	54	2.59E+04	0.000	36,207
4,4'-DDT[b]	**1.98E-04**	678,000	3.32E-04	2	32	2.03E+05	0.000	284,117
Aldrin	**4.00E-06**	2,435,000	6.97E-03	0.02	0.5	7.31E+05	0.000	1,020,387
Dieldrin[b]	**4.20E-06**	25,500	6.19E-04	2.0E-04	0.004	7.65E+03	0.000	10,687
Dimethoate		8				3.40E+00	0.426	5
Dinoseb	0.007	124				38	0	53
Disulfoton		522				158	0	220
Endosulfan I	**2.19E-01**	2,040	5.01E-01	0.9	18	6.13E+02	0.002	856
Endosulfan II	**2.19E-01**							
Endrin[b]	0.002	10,800	3.08E-04	0.05	1	3.24E+03	0.000	4,527
Endrin Aldehyde								
Famphur		20,000						
Heptachlor	0.0004	30,200						
Heptachlor epoxide	0.0002	30,200						
Methoxychlor	0.04	100,000						
MCPP	0.04							
alpha-BHC	**1.10E-05**	1,760	4.35E-04	0.00003	0.0005	5.29E+02	0.003	739
beta-BHC	**3.70E-05**	2,140	3.05E-05	0.0002	0.003	6.43E+02	0.002	898
gamma-BHC (Lindane)[b]	**2.00E-04**	1,350	5.74E-04	5E-04	0.009	4.06E+02	0.004	567
alpha-Chlordane[b]	**1.92E-04**	51,300	1.99E+03	0.5	10	1.54E+04	0.000	21,499
gamma-Chlordane								

Table 5-3

Physiochemical Properties and Soil Screening Levels for Organic Compounds Detected in Soil and Sediment Samples Baby Bains Gap Road Ranges Fort McClellan, Alabama

Parameter	Maximum Contaminant Level (mg/L)	K_{oc} [a] (L/kg or cm3/g)	Henry's Law Constant (H)	Generic SSL 1 (mg/kg)	DAF_{20} SSL (mg/kg)	Retardation Factor	Transport Rate (V) (m/yr)	Travel Time (T) (years)
NITROAROMATIC EXPLOSIVES								
Nitrobenzene	**0.003**	0.39	0.0010	0.007	0.1			
SEMIVOLATILES								
2-4-Dinitrotoluene	**0.07**	45		0.00004	0.0008	1.45E+01	0.100	20
Acenaphthylene	**0.4**	4,898	6.36E-03	29	590	1.47E+03	0.001	2,054
Anthracene[b]	**2**	23,500	2.67E-03	600	12,000	7.05E+03	0.000	9,849
Benzo(a)anthracene[b]	**9.21E-05**	358,000	1.37E-04	0.08	2	1.07E+05	0.000	150,021
Benzo(a)pyrene[a]	**9.21E-06**	969,000	4.63E-05	0.4	8	2.91E+05	0.000	406,060
Benzo(b)fluoranthene[b]	**9.21E-05**	1,230,000	4.55E-03	0.25	5	3.69E+05	0.000	515,432
Benzo(ghi)perylene[a]	Anthracene used as surrogate					7.05E+03	0.000	9,849
Benzo(k)fluoranthene[b,c]	**9.21E-04**	1,230,269	3.40E-05	2	49	3.69E+05	0.000	515,545
Chrysene[b]	**0.009**	398,000		8	160	1.19E+05	0.000	166,783
Dibenz(a,h)anthracene	**9.21E-06**	1,790,000		0.08	2	5.37E+05	0.000	750,100
Di-n-butyl phthalate[b]	**3.65**	1,570	3.85E-08			4.72E+02	0.003	659
Fluoranthene[b]	**1.5**	49,700	6.60E-04	215	4,300	1.49E+04	0.000	20,828
Indeno(1,2,3-cd)pyrene[b]	**9.21E-05**	3,467,369	6.56E-05	0.7	14	1.04E+06	0.000	1,453,000
N-Nitrosodiphenylamine[b]	**14**	1,288	2.05E-04		762	3.88E+02	0.004	541
Pentachlorophenol	**0.001**	20,000		0.001	0.03	6.00E+03	0.000	8,382
Phenanthrene[b]		23,500				7.05E+03	0.000	9,849
Pyrene[b]	**0.18**	680,000	4.51E-04	210	4,200	2.04E+05	0.000	284,955

[a] K_{oc} from measured K_{oc} as reported in EPA 1996; italicized K_{oc} values obtained from Region 9 data tables, or ARS Pesticides Database.
[b] Bold values are Region 9 PRGs for tap water.
[c] DAF_1 SSL calculated from Region 9 PRG for tap water.
[d] p-Isopropyl toluene = p-Cymene, 2-Butanone = Methylethylketone, 4-Methyl-2-pentanone = Methylisobutylketone
[e] No Koc, or Henry's Law constant (H) available, EPA, 2003.
Blank cells indicate that the data are not available
cm^3/g - Cubic centimeters per gram.
L/kg - Liters per kilogram.
m/yr - Meters per year.
mg/kg - Milligrams per kilogram.
mg/L - Milligrams per liter.

Table 5-4

Maximum Concentrations in Site Media
Baby Bains Gap Road Ranges
Fort McClellan, Alabama

(Page 1 of 2)

Constituent	DAF_{20} SSL (mg/Kg)	Maximum Detected Concentrations BBGR Ranges[a]					
		Surface Soil		Subsurface Soil		Sediment	
		Contiguous Ranges	Range 18	Contiguous Ranges	Range 18	Contiguous Ranges	Range 18
Metals							
Antimony	5	**21**	**86**	**13**	U	**6.0**	U
Arsenic	29	**37***	24	27	15.5	11.2	5.1
Beryllium	63	2.4	5.9	3.19	2.81	1.81	0.6
Copper	2,070	**2,280**	**15,000**	116	53.9	220	20
Lead[b]	400	**22,600**	**23,300**	**2,630**	119	**533**	129
Mercury	2	0.075	0.138	0.5	0.1	0.09	U
Nickel	130	28	65	77	55	13	9
Zinc	12,000	221	1,250	172	163	73.9	U
Volatiles							
2-Butanone	NA	0.06	0.03	0.04	0.01	0.05	0.006
2-Hexanone		0.04	U	U	U	U	U
4-Methyl-2-pentanone	16	0.1	U	U	U	U	U
Acetone	16	0.6	0.7	0.3	0.11	0.5	0.007
Carbon Disulfide	32	U	U	U	U	0.004	U
Cis-1,2-Dichlorethene	0.4	0.005	U	U	U	U	U
Methylene chloride	0.02	0.003	U	0.02	U	0.004	U
Naphthalene	84	0.005	U	U	U	U	U
p-Cymene	NA	0.002	U	0.03	U	U	U
Toluene	12	0.002	U	U	U	0.006	U
Trichloroethene	0.06	0.002	U	U	U	U	U
Trichlorofluoromethane	NA	0.003	0.001	U	U	U	U
Semivolatiles							
2,4-Dinitrotoluene	0.0008	**1.9**	**1.6**	0.27	U	U	U
2,6-Dinitrotoluene	0.0007	**0.086**	U	U	U	U	U
Nitrobenzene (All isomers)	0.1	U	U	U	U	U	U
Acenaphthylene	590	0.83	0.13	U	U	U	U
Anthracene	12000	0.52	0.21	U	U	U	U
Benzo(a)anthracene	1.6	**3.2**	0.4	U	U	U	U
Benzo(a)pyrene	8	2.5	0.4	U	U	U	U
Benzo(b)fluoranthene	5	**5.3**	1.1	U	U	U	U
Benzo(ghi)perylene	NA	1.2	0.5	U	U	U	U
Benzo(k)fluoranthene	49	1.9	0.4	U	U	U	U
Chrysene	160	3.4	0.5	U	U	U	U
Dibenz(a,h)anthracene	2	0.37	0.15	U	U	U	U
Di-n-butyl phthalate	470	1.3	2.4	0.31	U	U	U
Fluoranthene	4300	5.8	0.4	U	U	U	U
Indeno(1,2,3-cd)pyrene	14	1.3	0.5	U	U	U	U
N-Nitrosodiphenylamine	762	4.3	0.9	0.96	U	U	U
Pentachlorophenol	0	0.1	U	U	U	U	U
Phenanthrene	NA	0.76	U	U	U	U	U
Pyrene	4200	5.0	0.4	U	U	U	U

Table 5-4

Maximum Concentrations in Site Media
Baby Bains Gap Road Ranges
Fort McClellan, Alabama

(Page 2 of 2)

Constituent	DAF_{20} SSL (mg/Kg)	Maximum Detected Concentrations BBGR Ranges[a]					
		Surface Soil		Subsurface Soil		Sediment	
Pesticides\Herbicides							
Arochlor 1260[c]	1	0.022	U	U	U	U	U
2,2-Dichloropropanoic Acid		0.005	U	U	U	U	U
2,4-D	9	0.024	U	U	U	U	U
2,4-DB		0.021	U	U	U	U	U
4,4-DDD	0.8	0.001	U	U	U	U	U
4,4-DDE	2.7	0.003	U	U	U	U	U
4,4-DDT	1.6	0.01	U	U	U	0.03	U
Aldrin	0.02	0.013	U	U	U	U	U
alpha-BHC	0.0005	**0.001**	**0.001**	U	U	**0.009**	U
alpha-Chlordane	0.5	0.02	U	0.0004	U	U	U
beta-BHC	0.003	**0.01**	0.002	0.002	U	U	U
Dieldrin	2E-04	**0.004**	U	**0.003**	U	U	U
Dimethoate			U	U	U	U	U
Dinoseb		0.008	U	U	U	U	U
Endosulfan (all species)	0.9	0.04	U	U	U	U	U
Endrin (All species)	0.5	0.04	U	0.004	U	U	U
gamma-BHC (Lindane)	0.009	0.02	U	0.004	U	U	U
gamma-Chlordane	NA	0.002	U	0.02	U	0.09	U
Heptachlor	NA	0.003	0.001	U	U	0.001	U
Methyloxychlor		0.021	U	U	U	U	U
MCPP	NA	2.9	1.7	U	0.53	2.6	U

Bold values indicate concentrations exceeding the DAF20 except as noted by *.
* Concentration determined to be naturally occuring.
[a] Soil and sediment concentrations are in milligrams per kilogram (mg/kg).
[b] EPA has established a soil screening level of 400 mg/kg for lead (EPA, 1994).
[c] A PRG of 1 mg/kg has been set for PCBs (EPA 1990)
NA - Not available.
U - Not detected.

Table 6-1

Receptor Exposure Scenarios
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Source Medium	Transport Model	Exposure Medium	Exposure Route
CURRENT SITE USE			
Recreational Site User			
Surface soil	None	Soil	Incidental ingestion Dermal contact
	Dust emissions	Air	Inhalation
	Biotransfer	Deer/venison	Venison consumption
Surface water	None	Water	Incidental ingestion Dermal contact
Sediment	None	Sediment	Incidental ingestion Dermal contact
FUTURE SITE USE			
Groundskeeper			
Total soil[a]	None	Soil	Incidental ingestion Dermal contact
	Dust emissions	Air	Inhalation
Groundwater[b]	None	Water	Drinking water consumption Dermal contact
Recreational Site User			
Total soil[a]	None	Soil	Incidental ingestion Dermal contact
	Dust emissions	Air	Inhalation
Surface water	None	Water	Incidental ingestion Dermal contact
Sediment	None	Sediment	Incidental ingestion Dermal contact

Table 6-1

Receptor Exposure Scenarios
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Source Medium	Transport Model	Exposure Medium	Exposure Route
Construction Worker			
Total soil[a]	None	Soil	Incidental ingestion Dermal contact
	Dust emissions, volatilization	Air	Inhalation
Groundwater[b]	None	Water	Drinking water consumption Dermal contact
On-Site Resident			
Total soil[a]	None	Soil	Incidental ingestion Dermal contact
Groundwater[b]	None	Water	Drinking water consumption Dermal contact
	Volatilization	Air	Inhalation
Surface water	None	Water	Incidental ingestion Dermal contact
Sediment	None	Sediment	Incidental ingestion Dermal contact

[a]Please see Section 6.3 for explanation of total soil
[b]It is conservatively assumed that groundwater is developed as a potable source.

Table 6-2

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-DEP01	PJ0073	11-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-DEP02	PJ0074	13-Mar-02	0 - 1	Lead
HR-74Q-DEP03	PJ0076	11-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-DEP04	PJ0077	11-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-DEP05	PJ0078	13-Mar-02	0 - 1	Lead
HR-74Q-GP01	PJ0001	26-Feb-02	0 - 1	Lead
HR-74Q-GP02	PJ0003	26-Feb-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP03	PJ0006	26-Feb-02	0 - 1	Lead
HR-74Q-GP04	PJ0008	27-Feb-02	0 - 1	Lead
HR-74Q-GP05	PJ0010	1-Mar-02	0 - 1	Lead
HR-74Q-GP06	PJ0011	1-Mar-02	0 - 1	Lead
HR-74Q-GP07	PJ0012	1-Mar-02	0 - 1	Lead
HR-74Q-GP08	PJ0013	1-Mar-02	0 - 1	Lead
HR-74Q-GP09	PJ0014	6-Mar-02	0 - 1	Lead
HR-74Q-GP10	PJ0015	1-Mar-02	0 - 1	Metals
HR-74Q-GP11	PJ0017	6-Mar-02	0 - 1	Lead
HR-74Q-GP12	PJ0018	6-Mar-02	0 - 1	Lead
HR-74Q-GP13	PJ0019	6-Mar-02	0 - 1	Lead
HR-74Q-GP14	PJ0020	6-Mar-02	0 - 1	Lead
HR-74Q-GP15	PJ0021	26-Feb-02	0 - 1	Lead
HR-74Q-GP16	PJ0023	6-Mar-02	0 - 1	Lead
HR-74Q-GP17	PJ0024	6-Mar-02	0 - 1	Lead
HR-74Q-GP18	PJ0025	7-Mar-02	0 - 1	Lead
HR-74Q-GP19	PJ0027	27-Feb-02	0 - 1	Metals
HR-74Q-GP20	PJ0029	6-Mar-02	0 - 1	Lead
HR-74Q-GP21	PJ0031	7-Mar-02	0 - 1	Metals
HR-74Q-GP22	PJ0032	27-Feb-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP23	PJ0034	6-Mar-02	0 - 1	Lead

Table 6-2

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-GP24	PJ0035	6-Mar-02	0 - 1	Lead
HR-74Q-GP25	PJ0036	7-Mar-02	0 - 1	Lead
HR-74Q-GP26	PJ0037	7-Mar-02	0 - 1	Lead
HR-74Q-GP27	PJ0038	7-Mar-02	0 - 1	Metals
HR-74Q-GP28	PJ0039	7-Mar-02	0 - 1	Lead
HR-74Q-GP29	PJ0040	7-Mar-02	0 - 1	Lead
HR-74Q-GP30	PJ0042	8-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP31	PJ0044	27-Feb-02	0 - 1	Lead
HR-74Q-GP32	PJ0046	6-Mar-02	0 - 1	Lead
HR-74Q-GP33	PJ0047	6-Mar-02	0 - 1	Lead
HR-74Q-GP34	PJ0048	7-Mar-02	0 - 1	Lead
HR-74Q-GP35	PJ0049	27-Feb-02	0 - 1	Lead
HR-74Q-GP36	PJ0051	6-Mar-02	0 - 1	Lead
HR-74Q-GP37	PJ0052	7-Mar-02	0 - 1	Lead
HR-74Q-GP38	PJ0053	7-Mar-02	0 - 1	Lead
HR-74Q-GP39	PJ0055	7-Mar-02	0 - 1	Lead
HR-74Q-GP40	PJ0056	7-Mar-02	0 - 1	Lead
HR-74Q-GP41	PJ0057	6-Mar-02	0 - 1	Lead
HR-74Q-GP42	PJ0058	7-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP43	PJ0059	6-Mar-02	0 - 1	Lead
HR-74Q-GP44	PJ0060	7-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP45	PJ0061	7-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP46	PJ0062	26-Feb-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP69	PJ0101	29-Aug-02	0 - 1	NITRO
HR-74Q-GP70	PJ0103	28-Aug-02	0 - 1	NITRO
HR-74Q-GP71	PJ0105	29-Aug-02	0 - 1	NITRO
HR-74Q-GP72	PJ0107	28-Aug-02	0 - 1	NITRO
HR-74Q-GP73	PJ0109	29-Aug-02	0 - 1	NITRO

Table 6-2

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-GP74	PJ0111	28-Aug-02	0 - 1	NITRO
HR-74Q-GP75	PJ0113	28-Aug-02	0 - 1	NITRO
HR-74Q-MW01	PJ0064	26-Feb-02	0 - 1	Lead
HR-74Q-MW02	PJ0066	26-Feb-02	0 - 1	Metals
HR-74Q-MW03	PJ0068	28-Feb-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-MW04	PJ0071	27-Feb-02	0 - 1	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-3

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-GP01	PJ0002	26-Feb-02	2 - 4	Lead
HR-74Q-GP02	PJ0004	26-Feb-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP03	PJ0007	26-Feb-02	2 - 4	Lead
HR-74Q-GP04	PJ0009	27-Feb-02	2 - 4	Lead
HR-74Q-GP15	PJ0022	26-Feb-02	2 - 4	Lead
HR-74Q-GP18	PJ0026	7-Mar-02	1 - 2	Lead
HR-74Q-GP19	PJ0028	27-Feb-02	2 - 4	Metals
HR-74Q-GP22	PJ0033	27-Feb-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP30	PJ0043	8-Mar-02	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP31	PJ0045	27-Feb-02	2 - 3	Lead
HR-74Q-GP35	PJ0050	27-Feb-02	2 - 4	Lead
HR-74Q-GP46	PJ0063	26-Feb-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-GP69	PJ0102	29-Aug-02	3 - 4	NITRO
HR-74Q-GP70	PJ0104	28-Aug-02	3 - 4	NITRO
HR-74Q-GP71	PJ0106	29-Aug-02	3 - 4	NITRO
HR-74Q-GP72	PJ0108	28-Aug-02	3 - 4	NITRO
HR-74Q-GP73	PJ0110	29-Aug-02	3 - 4	NITRO
HR-74Q-GP74	PJ0112	28-Aug-02	1 - 2	NITRO
HR-74Q-GP75	PJ0114	28-Aug-02	2 - 3	NITRO
HR-74Q-MW01	PJ0065	26-Feb-02	2 - 4	Lead
HR-74Q-MW02	PJ0067	26-Feb-02	2 - 4	Metals
HR-74Q-MW03	PJ0069	28-Feb-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-MW04	PJ0072	27-Feb-02	2 - 4	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-4

Surface Water Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-SW/SD01	PJ2001	1-Mar-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-5

Sediment Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-SW/SD01	PJ1001	1-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
TOC = Total organic carbon
VOCs = Volatile organic compounds

Table 6-6

Groundwater Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-74Q-MW01	PJ3001	12-Jun-02	10 - 25	Metals, NITRO
HR-74Q-MW03	PJ3003	13-Jun-02	17 - 32	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-74Q-MW04	PJ3005	26-Jun-02	55 - 75	Metals, NITRO

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds

Table 6-7

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Metals											
Aluminum	16 / 16	100	5.58E+03	2.88E+04	2.40E-04	2.50E-03	L	1.24E+04	1.88E+04	1.63E+04	N (c)
Antimony	7 / 16	44	5.83E+00	8.64E+01	2.40E-04	2.60E-01	NP	1.48E+01	4.39E+01	1.99E+00	Y
Arsenic	16 / 16	100	2.55E+00	2.43E+01	7.20E-04	1.13E+00	L	8.82E+00	1.60E+01	1.37E+01	Y
Barium	16 / 16	100	3.41E+01	1.74E+02	1.90E-04	1.13E+01	L	7.28E+01	1.22E+02	1.24E+02	N (c)
Beryllium	12 / 16	75	4.03E-01	5.95E+00	4.10E-02	8.40E-02	L	1.21E+00	2.95E+00	8.00E-01	Y
Calcium	15 / 15	100	2.62E+02	6.73E+04	2.20E-04	1.10E-02	NP	6.19E+03	2.60E+04	1.72E+03	N (e)
Chromium	16 / 16	100	7.89E+00	2.51E+01	6.70E-02	1.10E-01	L	1.48E+01	1.93E+01	3.70E+01	N (a)
Cobalt	16 / 16	100	2.66E+00	8.60E+01	3.30E-04	6.90E-02	NP	1.29E+01	3.50E+01	1.52E+01	N (c)
Copper	16 / 16	100	1.04E+01	1.50E+04	3.00E-04	2.10E-03	L	1.22E+03	5.36E+03	1.27E+01	Y
Iron	16 / 16	100	1.04E+04	4.24E+04	2.30E-04	4.20E-01	L	2.16E+04	3.22E+04	3.42E+04	N (c)
Lead	55 / 55	100	8.90E+00	2.33E+04	1.90E-04	8.22E+01	L	1.79E+03	NA	4.01E+01	Y
Magnesium	16 / 16	100	3.01E+02	2.79E+03	9.50E-03	9.70E-02	L	8.35E+02	1.50E+03	1.03E+03	N (e)
Manganese	16 / 16	100	1.83E+02	9.08E+02	4.90E-02	9.70E-02	L	4.63E+02	7.59E+02	1.58E+03	N (a)
Mercury	12 / 16	75	3.16E-02	1.38E-01	2.80E-04	8.50E-02	NP	4.18E-02	8.30E-02	8.00E-02	N (c)
Nickel	16 / 16	100	3.44E+00	6.59E+01	2.89E-02	2.08E+01	L	1.56E+01	3.39E+01	1.03E+01	Y
Potassium	16 / 16	100	3.59E+02	1.48E+03	2.50E-04	1.70E-01	L	6.78E+02	9.91E+02	8.00E+02	N (e)
Selenium	9 / 14	64	5.02E-01	1.54E+00	5.30E-02	1.70E-01	N	5.15E-01	7.25E-01	4.80E-01	N (c)
Silver	3 / 16	19	1.33E+00	1.61E+00	5.30E-02	5.69E+00	L	6.02E-01	1.49E+00	3.60E-01	N (c)
Sodium	13 / 13	100	3.81E+01	1.50E+02	2.83E-02	8.10E+01	NP	6.52E+01	1.09E+02	6.34E+02	N (e)
Vanadium	16 / 16	100	1.26E+01	4.82E+01	2.20E-04	2.70E-03	L	2.46E+01	3.35E+01	5.88E+01	N (a)
Zinc	16 / 16	100	1.46E+01	1.25E+03	2.20E-04	2.29E-01	L	1.69E+02	5.16E+02	4.06E+01	Y
Herbicides											
MCPP	2 / 11	18	1.10E+00	1.70E+00	5.40E-02	9.00E-02	NP	2.83E-01	1.05E+00		Y
Pesticides											
4,4'-DDT	1 / 11	9	4.40E-03	4.40E-03	3.00E-04	2.30E-01	L	2.20E-02	8.27E-02		Y
alpha-BHC	1 / 11	9	8.10E-04	8.10E-04	3.00E-04	2.70E-03	L	4.38E-04	9.09E-04		Y
beta-BHC	1 / 11	9	1.50E-03	1.50E-03	5.20E-02	9.40E-02	N	3.33E-02	4.03E-02		Y
Endosulfan sulfate	1 / 11	9	1.90E-02	1.90E-02	2.80E-04	3.50E-03	NP	2.12E-03	9.69E-03		Y
Endrin ketone	1 / 11	9	2.00E-02	2.00E-02	1.90E-04	8.30E-04	NP	2.02E-03	1.01E-02		Y
Heptachlor	1 / 11	9	1.10E-03	1.10E-03	6.00E-02	9.40E-02	NP	3.49E-02	5.22E-02		Y
Nitroaromatics											
2,4-Dinitrotoluene	1 / 18	6	1.60E+00	1.60E+00	2.20E-04	4.70E-01	NP	1.03E-01	5.01E-01		Y

Table 6-7

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Semivolatile Organic Compounds											
Acenaphthylene	1 / 11	9	1.30E-01	1.30E-01	6.00E-02	9.40E-02	NP	4.74E-02	8.51E-02		Y
Anthracene	1 / 11	9	2.10E-01	2.10E-01	2.40E-04	3.10E-03	NP	1.94E-02	1.05E-01		Y
Benzo(a)anthracene	2 / 11	18	1.10E-01	3.50E-01	2.82E-02	1.24E+00	NP	1.07E-01	2.69E-01		Y
Benzo(a)pyrene	2 / 11	18	7.30E-02	4.40E-01	1.80E-02	1.70E-01	L	6.78E-02	2.37E-01		Y
Benzo(b)fluoranthene	2 / 11	18	1.50E-01	1.10E+00	1.80E-02	4.20E-02	NP	1.22E-01	5.63E-01		Y
Benzo(ghi)perylene	1 / 11	9	4.60E-01	4.60E-01	1.80E-02	1.80E-02	NP	5.00E-02	2.33E-01		Y
Benzo(k)fluoranthene	1 / 11	9	3.70E-01	3.70E-01	9.30E-03	9.40E-02	L	5.42E-02	1.97E-01		Y
Chrysene	2 / 11	18	1.20E-01	5.20E-01	5.50E-02	9.40E-02	NP	8.83E-02	2.84E-01		Y
Dibenz(a,h)anthracene	1 / 11	9	1.50E-01	1.50E-01	2.70E-04	1.20E-03	NP	1.40E-02	7.48E-02		Y
Di-n-butyl phthalate	2 / 11	18	2.00E-01	2.40E+00	5.90E-02	1.00E-01	NP	2.69E-01	1.22E+00		Y
Fluoranthene	2 / 11	18	2.40E-01	4.30E-01	1.80E-02	3.20E-02	NP	6.83E-02	2.55E-01		Y
Indeno(1,2,3-cd)pyrene	1 / 11	9	5.10E-01	5.10E-01	2.30E-04	2.20E-03	NP	4.66E-02	2.54E-01		Y
N-Nitrosodiphenylamine	2 / 11	18	1.90E-01	8.50E-01	9.50E-03	9.60E-02	NP	1.26E-01	4.55E-01		Y
Pyrene	2 / 11	18	1.90E-01	4.00E-01	5.30E-02	1.70E-01	L	9.55E-02	2.44E-01		Y
Volatile Organic Compounds											
2-Butanone	11 / 11	100	3.40E-03	2.90E-02	5.30E-02	1.70E-01	L	1.23E-02	2.49E-02		Y
Acetone	11 / 11	100	4.50E-02	6.80E-01	4.80E-02	8.70E-02	L	2.00E-01	4.46E-01		Y
Trichlorofluoromethane	1 / 11	9	1.20E-03	1.20E-03	2.70E-04	2.40E-03	NP	4.37E-04	9.67E-04		Y

mg/kg = milligram per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot bgs.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
- N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
- N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
- N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
- N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
- N (e) = essential nutrient.

Table 6-8

Selection of Site-Related Chemicals for Subsurface Soil [a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Metals											
Aluminum	7 / 7	100	1.34E+04	3.08E+04	5.73E+00	6.62E+00	L	1.86E+04	2.90E+04	1.36E+04	N (c)
Arsenic	7 / 7	100	3.09E+00	1.55E+01	1.71E-01	1.97E-01	L	7.29E+00	1.40E+01	1.83E+01	N (a)
Barium	7 / 7	100	3.29E+01	2.58E+02	3.85E-01	4.45E-01	L	1.19E+02	2.42E+02	2.34E+02	N (c)
Beryllium	7 / 7	100	4.33E-01	2.81E+00	3.83E-01	4.42E-01	L	1.43E+00	2.74E+00	8.60E-01	N (c)
Calcium	7 / 7	100	2.87E+02	1.31E+03	1.32E+01	1.53E+01	L	7.03E+02	1.33E+03	6.37E+02	N (e)
Chromium	7 / 7	100	1.39E+01	4.15E+01	9.21E-01	1.06E+00	L	2.22E+01	3.74E+01	3.83E+01	N (c)
Cobalt	7 / 7	100	6.11E+00	2.54E+01	1.17E+00	1.35E+00	L	1.19E+01	2.38E+01	1.75E+01	N (c)
Copper	7 / 7	100	8.92E+00	5.39E+01	8.93E-01	1.03E+00	L	2.17E+01	4.78E+01	1.94E+01	Y
Iron	7 / 7	100	1.59E+04	4.34E+04	1.14E+01	1.32E+01	N	2.90E+04	3.65E+04	4.48E+04	N (c)
Lead	16 / 16	100	6.53E+00	1.19E+02	2.26E-01	2.63E-01	L	2.86E+01	NA	3.85E+01	Y
Magnesium	7 / 7	100	5.39E+02	1.36E+03	1.79E+01	2.07E+01	L	8.57E+02	1.37E+03	7.66E+02	N (e)
Manganese	7 / 7	100	1.37E+02	2.43E+03	4.43E-01	5.12E-01	L	6.94E+02	2.03E+03	1.36E+03	N (c)
Mercury	3 / 7	43	3.72E-02	1.45E-01	2.85E-02	3.29E-02	NP	4.16E-02	1.22E-01	7.00E-02	N (c)
Nickel	7 / 7	100	7.47E+00	5.51E+01	6.26E-01	7.24E-01	L	1.80E+01	4.62E+01	1.29E+01	N (c)
Potassium	7 / 7	100	5.52E+02	1.82E+03	8.15E+01	9.42E+01	L	9.51E+02	1.71E+03	7.11E+02	N (e)
Selenium	4 / 6	67	6.54E-01	9.32E-01	5.33E-01	6.16E-01	N	6.19E-01	8.50E-01	4.70E-01	N (c)
Sodium	6 / 6	100	4.74E+01	6.12E+01	2.05E+01	2.37E+01	NP	5.17E+01	6.26E+01	7.02E+02	N (e)
Vanadium	7 / 7	100	2.57E+01	4.49E+01	8.95E-01	1.03E+00	L	3.46E+01	4.58E+01	6.49E+01	N (a)
Zinc	7 / 7	100	2.01E+01	1.63E+02	3.28E-01	3.79E-01	L	5.02E+01	1.35E+02	3.49E+01	Y
Herbicides											
MCPP	1 / 5	20	5.30E-01	5.30E-01	2.90E-01	3.30E-01	NP	2.26E-01	5.66E-01		Y
Volatile Organic Compounds											
2-Butanone	3 / 5	60	7.80E-03	1.30E-02	2.40E-03	3.20E-03	N	6.37E-03	1.11E-02		Y
Acetone	5 / 5	100	3.70E-02	1.10E-01	2.40E-03	3.20E-03	N	6.82E-02	9.67E-02		Y

mg/kg = milligram per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 1 to 4 foot bgs.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.

Table 6-8

Selection of Site-Related Chemicals for Subsurface Soil [a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Alabama

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-9

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	8.64E+01	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	Y	NA	NA	1.99E+01	Y	NA	NA	3.11E+00	Y	NA	NA	4.39E+01
Arsenic	2.43E+01	1.89E+02	N	2.94E+01	N	1.12E+04	N	1.75E+03	N	3.06E+01	N	1.59E+00	Y	1.53E+01	Y	1.98E+01	Y	2.34E+00	Y	4.26E-01	Y	1.60E+01
Beryllium	5.95E+00	4.08E+02	N	NA	NA	5.99E+05	N	NA	NA	2.39E+01	N	1.70E+01	N	9.60E+00	N	2.13E+02	N	9.60E+00	N	NA	NA	
Copper	1.50E+04	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	Y	NA	NA	2.04E+03	Y	NA	NA	3.13E+02	Y	NA	NA	5.36E+03
Lead	2.33E+04	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	1.79E+03
Nickel	6.59E+01	1.20E+04	N	NA	NA	1.66E+05	N	NA	NA	2.02E+03	N	1.70E+02	N	9.59E+02	N	2.13E+03	N	1.54E+02	N	NA	NA	
Zinc	1.25E+03	1.88E+05	N	NA	NA	5.99E+03	N	NA	NA	3.06E+04	N	NA	NA	1.52E+04	N	NA	NA	2.34E+03	N	NA	NA	
Herbicides																						
MCPP	1.70E+00	6.18E+02	N	NA	NA	NA	NA	NA	NA	1.02E+02	N	NA	NA	4.97E+01	N	NA	NA	7.77E+00	N	NA	NA	
Pesticides																						
4,4'-DDT	4.40E-03	2.95E+02	N	1.22E+02	N	3.19E+03	N	1.31E+03	N	5.02E+01	N	8.11E+00	N	2.35E+01	N	9.50E+01	N	3.83E+00	N	1.79E+00	N	
alpha-BHC	8.10E-04	NA	NA	6.87E+00	N	NA	NA	8.53E+02	N	NA	NA	4.43E-01	N	NA	NA	5.42E+00	N	NA	NA	1.00E-01	N	
beta-BHC	1.50E-03	NA	NA	2.40E+01	N	NA	NA	2.90E+03	N	NA	NA	1.55E+00	N	NA	NA	1.89E+01	N	NA	NA	3.50E-01	N	
Endosulfan sulfate	1.90E-02	3.69E+03	N	NA	NA	6.28E+05	N	NA	NA	6.09E+02	N	NA	NA	2.97E+02	N	NA	NA	4.66E+01	N	NA	NA	
Endrin ketone	2.00E-02	1.82E+01	N	NA	NA	NA	NA	NA	NA	3.03E+00	N	NA	NA	1.46E+00	N	NA	NA	2.32E-01	N	NA	NA	
Heptachlor	1.10E-03	3.08E+02	N	9.58E+00	N	2.43E+04	N	7.56E+02	N	5.08E+01	N	6.20E-01	N	2.48E+01	N	7.56E+00	N	3.88E+00	N	1.40E-01	N	
Nitroaromatics																						
2,4-Dinitrotoluene	1.60E+00	1.24E+03	N	6.37E+01	N	NA	NA	NA	NA	2.03E+02	N	4.19E+00	N	9.96E+01	N	5.13E+01	N	1.55E+01	N	9.27E-01	Y	5.01E-01
Semivolatile Organic Compounds																						
Acenaphthylene	1.30E-01	3.64E+04	N	NA	NA	NA	NA	NA	NA	6.07E+03	N	NA	NA	2.91E+03	N	NA	NA	4.63E+02	N	NA	NA	
Anthracene	2.10E-01	1.84E+05	N	NA	NA	NA	NA	NA	NA	3.04E+04	N	NA	NA	1.48E+04	N	NA	NA	2.33E+03	N	NA	NA	
Benzo(a)anthracene	3.50E-01	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	N	NA	NA	4.62E+01	N	NA	NA	8.51E-01	N	
Benzo(a)pyrene	4.40E-01	NA	NA	5.81E+00	N	NA	NA	NA	NA	NA	NA	3.85E-01	Y	NA	NA	4.62E+00	N	NA	NA	8.51E-02	Y	2.37E-01
Benzo(b)fluoranthene	1.10E+00	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	N	NA	NA	4.62E+01	N	NA	NA	8.51E-01	Y	5.63E-01
Benzo(ghi)perylene	4.60E-01	1.82E+04	N	NA	NA	NA	NA	NA	NA	3.03E+03	N	NA	NA	1.46E+03	N	NA	NA	2.32E+02	N	NA	NA	
Benzo(k)fluoranthene	3.70E-01	NA	NA	5.81E+02	N	NA	NA	NA	NA	NA	NA	3.85E+01	N	NA	NA	4.62E+02	N	NA	NA	8.51E+00	N	
Chrysene	5.20E-01	NA	NA	5.90E+03	N	NA	NA	NA	NA	NA	NA	3.86E+02	N	NA	NA	4.71E+03	N	NA	NA	8.61E+01	N	
Dibenz(a,h)anthracene	1.50E-01	NA	NA	5.90E+00	N	NA	NA	NA	NA	NA	NA	3.86E-01	N	NA	NA	4.71E+00	N	NA	NA	8.61E-02	Y	7.48E-02
Di-n-butyl phthalate	2.40E+00	6.26E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	5.05E+03	N	NA	NA	7.80E+02	N	NA	NA	
Fluoranthene	4.30E-01	2.43E+04	N	NA	NA	NA	NA	NA	NA	4.05E+03	N	NA	NA	1.94E+03	N	NA	NA	3.09E+02	N	NA	NA	
Indeno(1,2,3-cd)pyrene	5.10E-01	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	N	NA	NA	4.62E+01	N	NA	NA	8.51E-01	N	
N-Nitrosodiphenylamine	8.50E-01	NA	NA	8.84E+03	N	NA	NA	NA	NA	NA	NA	5.81E+02	N	NA	NA	7.11E+03	N	NA	NA	1.29E+02	N	
Pyrene	4.00E-01	1.85E+04	N	NA	NA	NA	NA	NA	NA	3.05E+03	N	NA	NA	1.48E+03	N	NA	NA	2.33E+02	N	NA	NA	
Volatile Organic Compounds																						
2-Butanone	2.90E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
Acetone	6.80E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	
Trichlorofluoromethane	1.20E-03	1.85E+05	N	NA	NA	NA	NA	NA	NA	2.96E+04	N	NA	NA	1.44E+04	N	NA	NA	2.33E+03	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligram per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-10

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration [b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Copper	5.39E+01	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	1.19E+02	4.00E+02	N	NA	NA	4.00E+02	N	NA	NA	8.80E+02	N	NA	NA	8.80E+02	N	NA	NA	4.00E+02	N	NA	NA	
Zinc	1.63E+02	1.88E+05	N	NA	NA	5.99E+03	N	NA	NA	3.06E+04	N	NA	NA	1.52E+04	N	NA	NA	2.34E+03	N	NA	NA	
Herbicides																						
MCPP	5.30E-01	6.18E+02	N	NA	NA	NA	NA	NA	NA	1.02E+02	N	NA	NA	4.97E+01	N	NA	NA	7.77E+00	N	NA	NA	
Volatile Organic Compounds																						
2-Butanone	1.30E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
Acetone	1.10E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligram per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 1 to 4 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-11

Selection of Chemicals of Potential Concern for Total Soil
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Recreational Site User COPC			Venison COPC			Groundskeeper COPC			Construction Worker COPC			On-Site Resident COPC		
	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration
Metals															
Antimony	NA	NA	NA	NA	NA	NA	4.39E+01	NA	4.39E+01	4.39E+01	NA	4.39E+01	4.39E+01	NA	4.39E+01
Arsenic	NA	NA	NA	NA	NA	NA	1.60E+01	NA	1.60E+01	1.60E+01	NA	1.60E+01	1.60E+01	NA	1.60E+01
Copper	NA	NA	NA	NA	NA	NA	5.36E+03	NA	5.36E+03	5.36E+03	NA	5.36E+03	5.36E+03	NA	5.36E+03
Lead	1.79E+03	NA	1.79E+03	1.79E+03	NA	1.79E+03	1.79E+03	NA	1.79E+03	1.79E+03	NA	1.79E+03	1.79E+03	NA	1.79E+03
Nitroaromatics															
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.01E-01	NA	5.01E-01
Semivolatile Organic Compounds															
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	2.37E-01	NA	2.37E-01	NA	NA	NA	2.37E-01	NA	2.37E-01
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	5.63E-01	NA	5.63E-01
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.48E-02	NA	7.48E-02

COPC = Chemical of potential concern.
NA = not applicable; the source-term concentration is presented only if the chemical is selected as a COPC.

Table 6-12

Selection of Site-Related Chemicals for Surface Water
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[a]	Arithmetic Mean (mg/L)	95% UCL[b] (mg/L)	Background Screening Criterion[c] (mg/L)	Site-Related?[d]
Metals											
Aluminum	1 / 1	100	2.38E-01	2.38E-01	5.00E-02	5.00E-02	NA	2.38E-01	NA	5.26E+00	N (a)
Barium	1 / 1	100	9.16E-02	9.16E-02	1.00E-03	1.00E-03	NA	9.16E-02	NA	7.54E-02	N (c)
Calcium	1 / 1	100	7.63E+01	7.63E+01	1.50E-01	1.50E-01	NA	7.63E+01	NA	2.52E+01	N (d)
Iron	1 / 1	100	3.52E-01	3.52E-01	6.00E-03	6.00E-03	NA	3.52E-01	NA	1.96E+01	N (a)
Lead	1 / 1	100	3.97E-03	3.97E-03	1.30E-03	1.30E-03	NA	3.97E-03	NA	8.67E-03	N (a)
Magnesium	1 / 1	100	1.20E+01	1.20E+01	5.00E-02	5.00E-02	NA	1.20E+01	NA	1.10E+01	N (d)
Manganese	1 / 1	100	1.76E-02	1.76E-02	3.00E-03	3.00E-03	NA	1.76E-02	NA	5.65E-01	N (a)
Potassium	1 / 1	100	1.14E+00	1.14E+00	7.50E-01	7.50E-01	NA	1.14E+00	NA	2.56E+00	N (d)
Sodium	1 / 1	100	1.57E+00	1.57E+00	7.00E-02	7.00E-02	NA	1.57E+00	NA	3.44E+00	N (d)

NA = Not applicable; mg/L = milligram per liter
N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

Table 6-13

Selection of Site-Related Chemicals for Sediment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[a]	Arithmetic Mean (mg/kg)	95% UCL[b] (mg/kg)	Background Screening Criterion[c] (mg/kg)	Site-Related?[d]
Metals											
Aluminum	1 / 1	100	8.20E+03	8.20E+03	6.57E+00	6.57E+00	NA	8.20E+03	NA	8.59E+03	N (a)
Arsenic	1 / 1	100	5.14E+00	5.14E+00	1.96E-01	1.96E-01	NA	5.14E+00	NA	1.13E+01	N (a)
Barium	1 / 1	100	5.88E+01	5.88E+01	4.41E-01	4.41E-01	NA	5.88E+01	NA	9.89E+01	N (a)
Beryllium	1 / 1	100	5.61E-01	5.61E-01	4.39E-01	4.39E-01	NA	5.61E-01	NA	9.70E-01	N (a)
Calcium	1 / 1	100	7.17E+02	7.17E+02	1.52E+01	1.52E+01	NA	7.17E+02	NA	1.11E+03	N (d)
Chromium	1 / 1	100	2.15E+01	2.15E+01	1.06E+00	1.06E+00	NA	2.15E+01	NA	3.12E+01	N (a)
Cobalt	1 / 1	100	6.03E+00	6.03E+00	1.34E+00	1.34E+00	NA	6.03E+00	NA	1.10E+01	N (a)
Copper	1 / 1	100	2.02E+01	2.02E+01	1.02E+00	1.02E+00	NA	2.02E+01	NA	1.71E+01	N (c)
Iron	1 / 1	100	1.78E+04	1.78E+04	1.31E+01	1.31E+01	NA	1.78E+04	NA	3.53E+04	N (a)
Lead	1 / 1	100	1.29E+02	1.29E+02	2.61E-01	2.61E-01	NA	1.29E+02	NA	3.78E+01	N (c)
Magnesium	1 / 1	100	8.41E+02	8.41E+02	2.05E+01	2.05E+01	NA	8.41E+02	NA	9.06E+02	N (d)
Manganese	1 / 1	100	1.34E+02	1.34E+02	5.08E-01	5.08E-01	NA	1.34E+02	NA	7.12E+02	N (a)
Nickel	1 / 1	100	9.17E+00	9.17E+00	7.18E-01	7.18E-01	NA	9.17E+00	NA	1.30E+01	N (a)
Potassium	1 / 1	100	1.41E+03	1.41E+03	9.34E+01	9.34E+01	NA	1.41E+03	NA	1.01E+03	N (d)
Vanadium	1 / 1	100	1.77E+01	1.77E+01	1.03E+00	1.03E+00	NA	1.77E+01	NA	4.09E+01	N (a)
Zinc	1 / 1	100	5.68E+01	5.68E+01	3.76E-01	3.76E-01	NA	5.68E+01	NA	5.27E+01	N (c)
Volatile Organic Compounds											
2-Butanone	1 / 1	100	5.70E-03	5.70E-03	4.30E-03	4.30E-03	NA	5.70E-03	NA		Y
Acetone	1 / 1	100	7.20E-02	7.20E-02	4.30E-03	4.30E-03	NA	7.20E-02	NA		Y

NA = Not applicable; mg/kg = milligram per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution, NA = Too few samples to determine statistical distribution.

[b] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).

N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and and Emergency Response, Washington, DC, Publication 9285.7-081.

NA = Too few samples for UCL determination.

[c] Background screening criterion for inorganic constituents is 2 times the mean background concentration for sediment.

(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[d] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.

N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.

N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.

N (d) = essential nutrient.

Table 6-14

Selection of Chemicals of Potential Concern for Sediment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg)								Source-Term Concentration [b] (mg/kg)
		Recreational Site User				On-Site Resident[a]				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Volatile Organic Compounds										
2-Butanone	5.70E-03	6.23E+05	N	NA	NA	6.23E+05	N	NA	NA	
Acetone	7.20E-02	1.03E+05	N	NA	NA	1.03E+05	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligram per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] The resident is evaluated using the recreational site-user SSSLs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration.

Table 6-15

Selection of Site-Related Chemicals for Groundwater
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Aluminum	1 / 3	33	5.23E-02	5.23E-02	5.00E-02	5.00E-02	3.41E-02	2.34E+00	N (a)
Barium	3 / 3	100	7.71E-02	2.56E-01	1.00E-03	1.00E-03	1.49E-01	1.27E-01	N (c)
Calcium	3 / 3	100	5.50E+01	8.20E+01	1.50E-01	1.50E-01	6.57E+01	5.65E+01	N (d)
Iron	3 / 3	100	4.65E-02	1.05E-01	6.00E-03	6.00E-03	7.14E-02	7.04E+00	N (a)
Magnesium	3 / 3	100	8.72E+00	1.93E+01	5.00E-02	5.00E-02	1.31E+01	2.13E+01	N (d)
Manganese	2 / 3	67	2.22E-01	1.03E+00	3.00E-03	3.00E-03	4.18E-01	5.81E-01	N (b)
Sodium	3 / 3	100	9.91E-01	2.59E+00	7.00E-02	7.00E-02	1.91E+00	1.48E+01	N (d)
Pesticides									
beta-BHC	1 / 1	100	3.00E-05	3.00E-05	1.20E-05	1.20E-05	3.00E-05		Y
gamma-BHC (Lindane)	1 / 1	100	1.30E-04	1.30E-04	6.70E-06	6.70E-06	1.30E-04		Y

NA = Not applicable; mg/L = milligram per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for groundwater.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-16

Selection of Chemicals of Potential Concern for Groundwater
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/L)	Applicable SSSL (mg/L)												Source-Term Concentration [a] (mg/L)
		Groundskeeper				Construction Worker				Resident				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Pesticides														
beta-BHC	3.00E-05	NA	NA	1.48E-04	N	NA	NA	3.69E-03	N	NA	NA	3.61E-05	N	
gamma-BHC (Lindane)	1.30E-04	2.90E-03	N	2.08E-04	N	2.90E-03	N	5.20E-03	N	4.60E-04	N	5.03E-05	Y	1.30E-04

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/L = milligram per liter
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] The maximum detected concentration is selected as the source-term concentration.

Table 6-17

Cancer Risk and Noncancer Hazard Estimates Across All Media
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Medium	Recreational Site User		Groundskeeper		Construction Worker		On-Site Resident	
	HI	ILCR	HI	ILCR	HI	ILCR	HI	ILCR
Surface Soil[a]	NA	NA	NE	NE	NE	NE	NE	NE
Venison Consumption	NA	NA	NE	NE	NE	NE	NE	NE
Total Soil[b]	NA	NA	2.39E-01	1.07E-05	5.88E-01	8.06E-07	3.81E+00	4.23E-05
Groundwater	NE	NE	NA	NA	NA	NA	NA	2.58E-06
Surface Water	NA	NA	NE	NE	NE	NE	NA	NA
Sediment	NA	NA	NE	NE	NE	NE	NA	NA
Total HI / ILCR: Current Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Total HI / ILCR: Future Site Use	**NA**	**NA**	**2.39E-01**	**1.07E-05**	**5.88E-01**	**8.06E-07**	**3.81E+00**	**4.49E-05**

HI = Hazard index
ILCR = Incremental lifetime cancer risk
NA = Not applicable; no chemicals of potential concern (with the possible exception of lead) were selected for this receptor in this medium.
NE = Not evaluated; the receptor is not evaluated for exposure to this medium.

[a] Current site use involves exposure to surface soil in its present condition.
[b] Future site use involves exposure to total soil, assuming that development with excavation and grading may be necessary for site development.

Table 6-18

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Surface Soil[a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	1.79E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot bgs.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-19

Cancer Risk and Noncancer Hazard Estimates for Venison Consumption (Indirect Exposure to Surface Soil)[a]
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Venison Consumption HI	ILCR
Metals			
Lead	1.79E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot bgs.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-20

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Total Soil
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	1.79E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-21

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Total Soil
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Groundskeeper HI	ILCR
Metals			
Antimony	4.39E+01	1.08E-01	NA
Arsenic	1.60E+01	NA	1.01E-05
Copper	5.36E+03	1.31E-01	NA
Lead	1.79E+03	NA	NA
Semivolatile Organic Compounds			
Benzo(a)pyrene	2.37E-01	NA	6.17E-07
Total HI / ILCR		**2.39E-01**	**1.07E-05**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-22

Cancer Risk and Noncancer Hazard Estimates for Construction Worker Exposed to Total Soil
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Construction Worker HI	ILCR
Metals			
Antimony	4.39E+01	2.20E-01	NA
Arsenic	1.60E+01	1.04E-01	8.06E-07
Copper	5.36E+03	2.63E-01	NA
Lead	1.79E+03	NA	NA
Total HI / ILCR		**5.88E-01**	**8.06E-07**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-23

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Total Soil
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Metals			
Antimony	4.39E+01	1.41E+00	NA
Arsenic	1.60E+01	6.81E-01	3.75E-05
Copper	5.36E+03	1.71E+00	NA
Lead	1.79E+03	NA	NA
Nitroaromatics			
2,4-Dinitrotoluene	5.01E-01	NA	5.40E-07
Semivolatile Organic Compounds			
Benzo(a)pyrene	2.37E-01	NA	2.79E-06
Benzo(b)fluoranthene	5.63E-01	NA	6.62E-07
Dibenz(a,h)anthracene	7.48E-02	NA	8.69E-07
Total HI / ILCR		**3.81E+00**	**4.23E-05**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-24

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Groundwater
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/L)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
gamma-BHC (Lindane)	1.30E-04	NA	2.58E-06
Total HI / ILCR		NA	2.58E-06

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk

Table 6-25

Separation of Noncancer Hazard by Target Organ for the On-Site Resident BBGR Range 18 (Parcel 74Q) Fort McClellan, Calhoun County, Alabama

	Target Organ Hazard*						
COPC	Heart	Peripheral Vascular System	Skin	Erythrocyte	Liver	Kidney	GI Tract
Inorganics							
Antimony	1.41E+00	NA	NA	NA	NA	NA	NA
Arsenic	NA	6.81E-01	NA	NA	NA	NA	NA
Copper	NA	NA	1.71E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00
HI by Target Organ:	**1.41E+00**	**6.81E-01**	**1.71E+00**	**1.71E+00**	**1.71E+00**	**1.71E+00**	**1.71E+00**

COPC = Chemical of potential concern
* See Toxicological Profiles for data regarding selection of target organs (IT, 2000, *Human Health and Ecological Screening Values and PAH Background Summary Report,* Final, August).
NA = Not applicable.

Table 6-26

Recreational Site User: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-74Q-GP42	PJ0058	***2.33E+04***	7.60E+03
HR-74Q-GP21	PJ0031	***1.59E+04***	7.60E+03
HR-74Q-MW03	PJ0068	***1.50E+04***	7.60E+03
HR-74Q-GP31	PJ0044	***8.51E+03***	7.60E+03
HR-74Q-GP30	PJ0042	***8.45E+03***	7.60E+03
HR-74Q-GP10	PJ0015	***8.37E+03***	7.60E+03
HR-74Q-GP40	PJ0056	3.74E+03	7.60E+03
HR-74Q-DEP04	PJ0077	2.71E+03	7.60E+03
HR-74Q-GP22	PJ0032	2.29E+03	7.60E+03
HR-74Q-MW04	PJ0071	1.58E+03	7.60E+03
HR-74Q-GP11	PJ0017	1.09E+03	7.60E+03
HR-74Q-GP07	PJ0012	9.61E+02	7.60E+03
HR-74Q-GP08	PJ0013	9.08E+02	7.60E+03
HR-74Q-DEP01	PJ0073	7.36E+02	7.60E+03
HR-74Q-GP26	PJ0037	7.33E+02	7.60E+03
HR-74Q-GP45	PJ0061	7.20E+02	7.60E+03
HR-74Q-GP14	PJ0020	5.60E+02	7.60E+03
HR-74Q-GP39	PJ0055	3.44E+02	7.60E+03
HR-74Q-GP15	PJ0021	2.81E+02	7.60E+03
HR-74Q-GP20	PJ0029	2.75E+02	7.60E+03
HR-74Q-GP27	PJ0038	2.13E+02	7.60E+03
HR-74Q-GP17	PJ0024	1.84E+02	7.60E+03
HR-74Q-GP16	PJ0023	1.77E+02	7.60E+03
HR-74Q-GP09	PJ0014	1.73E+02	7.60E+03
HR-74Q-GP34	PJ0048	1.71E+02	7.60E+03
HR-74Q-GP29	PJ0040	1.49E+02	7.60E+03
HR-74Q-MW01	PJ0064	1.31E+02	7.60E+03

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-27

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-74Q-GP42	PJ0058	***2.33E+04***	8.80E+02
HR-74Q-GP21	PJ0031	***1.59E+04***	8.80E+02
HR-74Q-MW03	PJ0068	***1.50E+04***	8.80E+02
HR-74Q-GP31	PJ0044	***8.51E+03***	8.80E+02
HR-74Q-GP30	PJ0042	***8.45E+03***	8.80E+02
HR-74Q-GP10	PJ0015	***8.37E+03***	8.80E+02
HR-74Q-GP40	PJ0056	***3.74E+03***	8.80E+02
HR-74Q-DEP04	PJ0077	***2.71E+03***	8.80E+02
HR-74Q-GP22	PJ0032	***2.29E+03***	8.80E+02
HR-74Q-MW04	PJ0071	***1.58E+03***	8.80E+02
HR-74Q-GP11	PJ0017	***1.09E+03***	8.80E+02
HR-74Q-GP07	PJ0012	***9.61E+02***	8.80E+02
HR-74Q-GP08	PJ0013	***9.08E+02***	8.80E+02
HR-74Q-DEP01	PJ0073	7.36E+02	8.80E+02
HR-74Q-GP26	PJ0037	7.33E+02	8.80E+02
HR-74Q-GP45	PJ0061	7.20E+02	8.80E+02
HR-74Q-GP14	PJ0020	5.60E+02	8.80E+02
HR-74Q-GP39	PJ0055	3.44E+02	8.80E+02
HR-74Q-GP15	PJ0021	2.81E+02	8.80E+02
HR-74Q-GP20	PJ0029	2.75E+02	8.80E+02
HR-74Q-GP27	PJ0038	2.13E+02	8.80E+02
HR-74Q-GP17	PJ0024	1.84E+02	8.80E+02
HR-74Q-GP16	PJ0023	1.77E+02	8.80E+02
HR-74Q-GP09	PJ0014	1.73E+02	8.80E+02
HR-74Q-GP34	PJ0048	1.71E+02	8.80E+02
HR-74Q-GP29	PJ0040	1.49E+02	8.80E+02
HR-74Q-MW01	PJ0064	1.31E+02	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-28

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)		Arsenic (mg/kg)		Copper (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil									
HR-74Q-GP42	PJ0058	***2.33E+04***	8.80E+02	5.39E+01	2.96E+02	NA	NA	1.29E+03	3.04E+04
HR-74Q-GP21	PJ0031	***1.59E+04***	8.80E+02	8.64E+01	2.96E+02	2.43E+01	2.28E+02	1.23E+02	3.04E+04
HR-74Q-MW03	PJ0068	***1.50E+04***	8.80E+02	5.14E+01	2.96E+02	NA	NA	5.76E+02	3.04E+04
HR-74Q-GP31	PJ0044	***8.51E+03***	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP30	PJ0042	***8.45E+03***	8.80E+02	1.47E+01	2.96E+02	NA	NA	1.48E+03	3.04E+04
HR-74Q-GP10	PJ0015	***8.37E+03***	8.80E+02	1.91E+01	2.96E+02	NA	NA	3.21E+02	3.04E+04
HR-74Q-GP40	PJ0056	***3.74E+03***	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-DEP04	PJ0077	***2.71E+03***	8.80E+02	5.98E+00	2.96E+02	NA	NA	2.66E+02	3.04E+04
HR-74Q-GP22	PJ0032	***2.29E+03***	8.80E+02	5.83E+00	2.96E+02	NA	NA	2.70E+02	3.04E+04
HR-74Q-MW04	PJ0071	***1.58E+03***	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP11	PJ0017	***1.09E+03***	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP07	PJ0012	***9.61E+02***	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP08	PJ0013	***9.08E+02***	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-DEP01	PJ0073	7.36E+02	8.80E+02	NA	NA	NA	NA	1.50E+04	3.04E+04
HR-74Q-GP26	PJ0037	7.33E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP45	PJ0061	7.20E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP14	PJ0020	5.60E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP39	PJ0055	3.44E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP15	PJ0021	2.81E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP20	PJ0029	2.75E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP27	PJ0038	2.13E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP17	PJ0024	1.84E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP16	PJ0023	1.77E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP09	PJ0014	1.73E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP34	PJ0048	1.71E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP29	PJ0040	1.49E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-MW01	PJ0064	1.31E+02	8.80E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP19	PJ0027	NA	NA	NA	NA	NA	NA	4.36E+01	3.04E+04

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-29

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)		Arsenic (mg/kg)		Copper (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil									
HR-74Q-GP42	PJ0058	***2.33E+04***	4.00E+02	***5.39E+01***	4.63E+01	NA	NA	1.29E+03	4.67E+03
HR-74Q-GP21	PJ0031	***1.59E+04***	4.00E+02	***8.64E+01***	4.63E+01	2.43E+01	3.49E+01	1.23E+02	4.67E+03
HR-74Q-MW03	PJ0068	***1.50E+04***	4.00E+02	***5.14E+01***	4.63E+01	NA	NA	5.76E+02	4.67E+03
HR-74Q-GP31	PJ0044	***8.51E+03***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP30	PJ0042	***8.45E+03***	4.00E+02	1.47E+01	4.63E+01	NA	NA	1.48E+03	4.67E+03
HR-74Q-GP10	PJ0015	***8.37E+03***	4.00E+02	1.91E+01	4.63E+01	NA	NA	3.21E+02	4.67E+03
HR-74Q-GP40	PJ0056	***3.74E+03***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-DEP04	PJ0077	***2.71E+03***	4.00E+02	5.98E+00	4.63E+01	NA	NA	2.66E+02	4.67E+03
HR-74Q-GP22	PJ0032	***2.29E+03***	4.00E+02	5.83E+00	4.63E+01	NA	NA	2.70E+02	4.67E+03
HR-74Q-MW04	PJ0071	***1.58E+03***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP11	PJ0017	***1.09E+03***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP07	PJ0012	***9.61E+02***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP08	PJ0013	***9.08E+02***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-DEP01	PJ0073	***7.36E+02***	4.00E+02	NA	NA	NA	NA	***1.50E+04***	4.67E+03
HR-74Q-GP26	PJ0037	***7.33E+02***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP45	PJ0061	***7.20E+02***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP14	PJ0020	***5.60E+02***	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP39	PJ0055	3.44E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP15	PJ0021	2.81E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP20	PJ0029	2.75E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP27	PJ0038	2.13E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP17	PJ0024	1.84E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP16	PJ0023	1.77E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP09	PJ0014	1.73E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP34	PJ0048	1.71E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP29	PJ0040	1.49E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-MW01	PJ0064	1.31E+02	4.00E+02	NA	NA	NA	NA	NA	NA
HR-74Q-GP19	PJ0027	NA	NA	NA	NA	NA	NA	4.36E+01	4.67E+03

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-30

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-76Q-DEP03	PK0020	14-May-02	0 - 1	Lead
HR-76Q-DEP05	PK0023	15-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-76Q-GP01	PK0001	9-May-02	0 - 1	Lead
HR-76Q-GP02	PK0002	9-May-02	0 - 1	Lead
HR-76Q-GP03	PK0004	9-May-02	0 - 1	Lead
HR-76Q-GP04	PK0005	9-May-02	0 - 1	Metals
HR-76Q-GP05	PK0006	9-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-76Q-GP06	PK0007	9-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-76Q-GP07	PK0010	9-May-02	0 - 1	Lead
HR-76Q-GP08	PK0011	9-May-02	0 - 1	Lead
HR-76Q-GP09	PK0013	9-May-02	0 - 1	Lead
HR-76Q-GP10	PK0014	9-May-02	0 - 1	Lead
HR-76Q-GP11	PK0015	9-May-02	0 - 1	Lead
HR-76Q-GP12	PK0016	9-May-02	0 - 1	Lead
HR-76Q-GP13	PK0017	9-May-02	0 - 1	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-31

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-76Q-GP02	PK0003	9-May-02	2 - 3	Lead
HR-76Q-GP06	PK0009	9-May-02	2 - 3	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-76Q-GP08	PK0012	9-May-02	1 - 2	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-32

Surface Water Samples Used in Streamlined Risk Assessment
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-76Q-SW/SD01	PK2001	15-May-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-76Q-SW/SD02	PK2002	15-May-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-76Q-SW/SD03	PK2003	14-May-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-33

Sediment Samples Used in Streamlined Risk Assessment
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-76Q-SW/SD01	PK1001	15-May-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs
HR-76Q-SW/SD02	PK1002	15-May-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs
HR-76Q-SW/SD03	PK1003	14-May-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
TOC = Total organic carbon
VOCs = Volatile organic compounds

Table 6-34

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Metals											
Aluminum	4 / 4	100	1.27E+04	1.42E+04	5.72E+00	6.49E+00	N	1.36E+04	1.44E+04	1.63E+04	N (a)
Antimony	2 / 4	50	9.97E+00	1.01E+01	4.48E+00	5.09E+00	NP	6.22E+00	1.61E+01	1.99E+00	Y
Arsenic	4 / 4	100	1.67E+00	4.44E+00	1.71E-01	1.94E-01	N	3.16E+00	4.53E+00	1.37E+01	N (a)
Barium	4 / 4	100	4.64E+01	1.73E+02	3.85E-01	4.36E-01	L	9.14E+01	2.20E+02	1.24E+02	N (c)
Beryllium	4 / 4	100	4.43E-01	1.06E+00	3.82E-01	4.34E-01	N	6.84E-01	1.03E+00	8.00E-01	N (c)
Calcium	4 / 4	100	6.95E+01	8.79E+02	1.32E+01	1.50E+01	L	3.36E+02	1.16E+03	1.72E+03	N (e)
Chromium	4 / 4	100	9.74E+00	1.79E+01	9.20E-01	1.04E+00	L	1.31E+01	2.12E+01	3.70E+01	N (a)
Cobalt	4 / 4	100	1.46E+00	8.11E+00	1.17E+00	1.33E+00	N	5.10E+00	8.53E+00	1.52E+01	N (a)
Copper	4 / 4	100	1.53E+01	2.48E+02	8.92E-01	1.01E+00	L	9.78E+01	3.39E+02	1.27E+01	Y
Iron	4 / 4	100	1.44E+04	2.41E+04	1.14E+01	1.29E+01	N	1.86E+04	2.42E+04	3.42E+04	N (a)
Lead	15 / 15	100	1.34E+01	4.47E+03	2.28E-01	2.62E-01	NA	1.42E+03	NA	4.01E+01	Y
Magnesium	4 / 4	100	4.80E+02	6.57E+02	1.79E+01	2.03E+01	N	5.87E+02	6.76E+02	1.03E+03	N (e)
Manganese	4 / 4	100	1.40E+01	8.00E+02	4.43E-01	5.02E-01	L	4.23E+02	1.36E+03	1.58E+03	N (a)
Mercury	3 / 4	75	3.19E-02	6.27E-02	2.84E-02	3.23E-02	N	3.85E-02	6.21E-02	8.00E-02	N (a)
Nickel	4 / 4	100	2.63E+00	5.45E+00	6.26E-01	7.10E-01	N	4.31E+00	5.78E+00	1.03E+01	N (a)
Potassium	4 / 4	100	7.15E+02	2.98E+03	8.14E+01	9.23E+01	N	1.59E+03	2.87E+03	8.00E+02	N (e)
Sodium	2 / 4	50	4.58E+01	5.33E+01	2.05E+01	2.32E+01	N	3.04E+01	5.67E+01	6.34E+02	N (e)
Vanadium	4 / 4	100	1.47E+01	2.37E+01	8.94E-01	1.01E+00	L	1.88E+01	2.72E+01	5.88E+01	N (a)
Zinc	4 / 4	100	1.25E+01	5.56E+01	3.28E-01	3.72E-01	L	2.99E+01	7.18E+01	4.06E+01	N (c)
Herbicides											
2,4-D	1 / 3	33	2.40E-02	2.40E-02	4.00E-03	6.20E-03	NP	9.37E-03	4.21E-02		Y
Pesticides											
alpha-BHC	1 / 3	33	3.30E-04	3.30E-04	2.30E-04	2.50E-04	L	1.90E-04	5.03E-04		Y
Volatile Organic Compounds											
Acetone	2 / 2	100	6.00E-02	6.70E-02	2.60E-03	3.10E-03	L	6.35E-02	7.91E-02		Y

mg/kg = milligram per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot bgs.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.

Table 6-34

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]

(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-35

Selection of Site-Related Chemicals for Subsurface Soil [a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Metals											
Aluminum	1 / 1	100	1.14E+04	1.14E+04	5.92E+00	5.92E+00	NA	1.14E+04	NA	1.36E+04	N (a)
Antimony	1 / 1	100	2.72E+01	2.72E+01	4.64E+00	4.64E+00	NA	2.72E+01	NA	1.31E+00	Y
Arsenic	1 / 1	100	4.20E+00	4.20E+00	1.77E-01	1.77E-01	NA	4.20E+00	NA	1.83E+01	N (a)
Barium	1 / 1	100	1.13E+02	1.13E+02	3.98E-01	3.98E-01	NA	1.13E+02	NA	2.34E+02	N (a)
Beryllium	1 / 1	100	6.06E-01	6.06E-01	3.96E-01	3.96E-01	NA	6.06E-01	NA	8.60E-01	N (a)
Calcium	1 / 1	100	3.45E+02	3.45E+02	1.37E+01	1.37E+01	NA	3.45E+02	NA	6.37E+02	N (e)
Chromium	1 / 1	100	9.90E+00	9.90E+00	9.53E-01	9.53E-01	NA	9.90E+00	NA	3.83E+01	N (a)
Cobalt	1 / 1	100	6.29E+00	6.29E+00	1.21E+00	1.21E+00	NA	6.29E+00	NA	1.75E+01	N (a)
Copper	1 / 1	100	1.16E+02	1.16E+02	9.23E-01	9.23E-01	NA	1.16E+02	NA	1.94E+01	Y
Iron	1 / 1	100	1.25E+04	1.25E+04	1.18E+01	1.18E+01	NA	1.25E+04	NA	4.48E+04	N (a)
Lead	3 / 3	100	6.10E+00	2.63E+03	2.30E-01	2.36E-01	NA	1.08E+03	NA	3.85E+01	Y
Magnesium	1 / 1	100	5.09E+02	5.09E+02	1.85E+01	1.85E+01	NA	5.09E+02	NA	7.66E+02	N (e)
Manganese	1 / 1	100	4.61E+02	4.61E+02	4.58E-01	4.58E-01	NA	4.61E+02	NA	1.36E+03	N (a)
Nickel	1 / 1	100	4.16E+00	4.16E+00	6.48E-01	6.48E-01	NA	4.16E+00	NA	1.29E+01	N (a)
Potassium	1 / 1	100	5.55E+02	5.55E+02	8.43E+01	8.43E+01	NA	5.55E+02	NA	7.11E+02	N (e)
Sodium	1 / 1	100	6.07E+01	6.07E+01	2.12E+01	2.12E+01	NA	6.07E+01	NA	7.02E+02	N (e)
Vanadium	1 / 1	100	1.30E+01	1.30E+01	9.26E-01	9.26E-01	NA	1.30E+01	NA	6.49E+01	N (a)
Zinc	1 / 1	100	4.05E+01	4.05E+01	3.39E-01	3.39E-01	NA	4.05E+01	NA	3.49E+01	N (c)
Volatile Organic Compounds											
Acetone	1 / 1	100	5.30E-02	5.30E-02	2.60E-03	2.60E-03	NA	5.30E-02	NA		Y

mg/kg = milligram per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 1 to 3 foot bgs.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution, NA = Too few samples to determine statistical distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
NA = Too few samples for UCL determination.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

Table 6-35

Selection of Site-Related Chemicals for Subsurface Soil [a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Alabama

[e] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-36

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	1.01E+01	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	1.01E+01
Copper	2.48E+02	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	4.47E+03	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	1.42E+03
Herbicides																						
2,4-D	2.40E-02	6.19E+03	N	NA	NA	NA	NA	NA	NA	1.02E+03	N	NA	NA	4.98E+02	N	NA	NA	7.77E+01	N	NA	NA	
Pesticides																						
alpha-BHC	3.30E-04	NA	NA	6.67E+00	N	NA	NA	8.53E+02	N	NA	NA	4.43E-01	N	NA	NA	5.42E+00	N	NA	NA	1.00E-01	N	
Volatile Organic Compounds																						
Acetone	6.70E-02	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligram per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-37

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	2.72E+01	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	Y	NA	NA	3.11E+00	Y	NA	NA	2.72E+01
Copper	1.16E+02	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	2.63E+03	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	1.08E+03
Volatile Organic Compounds																						
Acetone	5.30E-02	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligram per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 1 to 3 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-38

Selection of Chemicals of Potential Concern for Total Soil
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Recreational Site User COPC			Venison COPC			Groundskeeper COPC			Construction Worker COPC			On-Site Resident COPC		
	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration
Metals															
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.01E+01	2.72E+01	2.72E+01
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	1.42E+03	1.08E+03	1.42E+03	1.42E+03	1.08E+03	1.42E+03	1.42E+03	1.08E+03	1.42E+03	1.42E+03	1.08E+03	1.42E+03	1.42E+03	1.08E+03	1.42E+03
Herbicides															
2,4-D	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides															
alpha-BHC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds															
Acetone	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

COPC = Chemical of potential concern.
NA = not applicable; the source-term concentration is presented only if the chemical is selected as a COPC.

Table 6-39

Selection of Site-Related Chemicals for Surface Water
BBGR Range 18 (Parcel 74Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[a]	Arithmetic Mean (mg/L)	95% UCL[b] (mg/L)	Background Screening Criterion[c] (mg/L)	Site-Related?[d]
Metals											
Aluminum	3 / 3	100	1.06E-01	2.09E-01	5.00E-02	5.00E-02	L	1.51E-01	2.87E-01	5.26E+00	N (a)
Barium	3 / 3	100	2.86E-02	4.52E-02	1.00E-03	1.00E-03	N	3.80E-02	5.23E-02	7.54E-02	N (a)
Calcium	3 / 3	100	5.91E-01	9.68E+00	1.50E-01	1.50E-01	L	4.36E+00	1.66E+01	2.52E+01	N (d)
Iron	3 / 3	100	7.56E-02	7.19E-01	6.00E-03	6.00E-03	L	3.21E-01	1.22E+00	1.96E+01	N (a)
Lead	1 / 3	33	2.32E-03	2.32E-03	1.30E-03	1.30E-03	NP	1.21E-03	3.69E-03	8.67E-03	N (a)
Magnesium	3 / 3	100	6.73E-01	4.19E+00	5.00E-02	5.00E-02	L	2.08E+00	6.88E+00	1.10E+01	N (d)
Manganese	3 / 3	100	4.14E-03	9.97E-02	3.00E-03	3.00E-03	L	4.59E-02	1.72E-01	5.65E-01	N (a)
Potassium	2 / 3	67	1.10E+00	1.39E+00	7.50E-01	7.50E-01	N	9.55E-01	1.84E+00	2.56E+00	N (d)
Sodium	3 / 3	100	7.49E-01	1.26E+00	7.00E-02	7.00E-02	N	1.04E+00	1.49E+00	3.44E+00	N (d)

NA = Not applicable; mg/L = milligram per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution, NA = Too few samples to determine statistical distribution.

[b] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications,* Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
NA = Too few samples for UCL determination.

[c] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface water.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[d] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-40

Selection of Site-Related Chemicals for Sediment
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[a]	Arithmetic Mean (mg/kg)	95% UCL[b] (mg/kg)	Background Screening Criterion[c] (mg/kg)	Site-Related?[d]
Metals											
Aluminum	3 / 3	100	7.29E+03	1.03E+04	6.28E+00	7.02E+00	L	8.67E+03	1.26E+04	8.59E+03	N (c)
Arsenic	3 / 3	100	2.46E+00	7.11E+00	1.87E-01	2.09E-01	L	4.18E+00	1.08E+01	1.13E+01	N (a)
Barium	3 / 3	100	1.19E+02	2.00E+02	4.22E-01	4.72E-01	L	1.57E+02	2.62E+02	9.89E+01	N (c)
Beryllium	3 / 3	100	7.46E-01	1.24E+00	4.19E-01	4.69E-01	L	9.43E-01	1.62E+00	9.70E-01	N (c)
Calcium	3 / 3	100	2.05E+02	2.32E+03	1.45E+01	1.62E+01	L	9.71E+02	4.00E+03	1.11E+03	N (d)
Chromium	3 / 3	100	1.00E+01	2.50E+01	1.01E+00	1.13E+00	NP	1.50E+01	3.73E+01	3.12E+01	N (a)
Cobalt	3 / 3	100	7.07E+00	1.27E+01	1.28E+00	1.44E+00	L	9.30E+00	1.70E+01	1.10E+01	N (c)
Copper	3 / 3	100	1.46E+01	1.91E+01	9.79E-01	1.09E+00	N	1.69E+01	2.07E+01	1.71E+01	N (c)
Iron	3 / 3	100	1.24E+04	4.25E+04	1.25E+01	1.40E+01	L	2.43E+04	6.56E+04	3.53E+04	N (c)
Lead	3 / 3	100	1.61E+01	5.68E+01	2.50E-01	2.79E-01	N	3.55E+01	6.99E+01	3.78E+01	N (c)
Magnesium	3 / 3	100	4.85E+02	1.32E+03	1.96E+01	2.19E+01	L	7.97E+02	1.97E+03	9.06E+02	N (d)
Manganese	3 / 3	100	1.76E+02	5.94E+02	4.86E-01	5.43E-01	N	4.12E+02	7.74E+02	7.12E+02	N (a)
Nickel	3 / 3	100	5.97E+00	1.17E+01	6.87E-01	7.68E-01	L	8.20E+00	1.61E+01	1.30E+01	N (a)
Potassium	3 / 3	100	1.48E+03	2.10E+03	8.93E+01	9.99E+01	L	1.69E+03	2.60E+03	1.01E+03	N (d)
Sodium	2 / 3	67	5.20E+01	6.25E+01	2.24E+01	2.51E+01	N	4.19E+01	8.76E+01	6.92E+02	N (d)
Thallium	1 / 3	33	1.32E+00	1.32E+00	7.57E-01	8.46E-01	L	7.07E-01	2.08E+00	1.30E-01	N (c)
Vanadium	3 / 3	100	1.38E+01	2.20E+01	9.81E-01	1.10E+00	L	1.75E+01	2.82E+01	4.09E+01	N (a)
Zinc	3 / 3	100	2.01E+01	5.20E+01	3.60E-01	4.02E-01	N	3.69E+01	6.39E+01	5.27E+01	N (a)
Herbicides											
MCPP	2 / 3	67	1.90E+00	2.60E+00	2.40E-01	3.40E-01	N	1.55E+00	3.67E+00	1.00E-07	Y
Pesticides											
4,4'-DDT	1 / 3	33	3.20E-02	3.20E-02	6.40E-04	8.90E-04	L	1.09E-02	5.80E-02	1.00E-07	Y
alpha-BHC	3 / 3	100	9.50E-04	8.70E-03	2.60E-04	2.90E-04	L	3.62E-03	1.50E-02	1.00E-07	Y
gamma-Chlordane	1 / 3	33	8.90E-02	8.90E-02	2.60E-04	1.50E-03	NP	2.98E-02	1.62E-01	1.00E-07	Y
Volatile Organic Compounds											
Acetone	3 / 3	100	4.40E-02	7.30E-02	2.90E-03	3.50E-03	L	5.73E-02	9.51E-02	1.00E-07	Y

NA = Not applicable; mg/kg = milligram per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[b] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and and Emergency Response, Washington, DC, Publication 9285.7-081.

[c] Background screening criterion for inorganic constituents is 2 times the mean background concentration for sediment.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[d] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-41

Selection of Chemicals of Potential Concern for Sediment
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg)								Source-Term Concentration [b] (mg/kg)
		Recreational Site User				On-Site Resident [a]				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Herbicides										
MCPP	2.60E+00	1.04E+03	N	NA	NA	1.04E+03	N	NA	NA	
Pesticides										
4,4'-DDT	3.20E-02	4.03E+02	N	1.66E+02	N	4.03E+02	N	1.66E+02	N	
alpha-BHC	8.70E-03	NA	NA	1.17E+01	N	NA	NA	1.17E+01	N	
gamma-Chlordane	8.90E-02	3.38E+02	N	1.35E+02	N	3.38E+02	N	1.35E+02	N	
Volatile Organic Compounds										
Acetone	7.30E-02	1.03E+05	N	NA	NA	1.03E+05	N	NA	NA	

SSSL = Site-specific screening level developed as described in the Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligram per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] The resident is evaluated using the recreational site-user SSSLs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration.

Table 6-42

Cancer Risk and Noncancer Hazard Estimates Across All Media
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Medium	Recreational Site User		Groundskeeper		Construction Worker		On-Site Resident	
	HI	ILCR	HI	ILCR	HI	ILCR	HI	ILCR
Surface Soil [a]	NA	NA	NE	NE	NE	NE	NE	NE
Venison Consumption	NA	NA	NE	NE	NE	NE	NE	NE
Total Soil [b]	NA	NA	NA	NA	NA	NA	8.75E-01	NA
Surface Water	NA	NA	NE	NE	NE	NE	NA	NA
Sediment	NA	NA	NE	NE	NE	NE	NA	NA
Total HI / ILCR: Current Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Total HI / ILCR: Future Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**8.75E-01**	**NA**

HI = Hazard index
ILCR = Incremental lifetime cancer risk
NA = Not applicable; no chemicals of potential concern (with the possible exception of lead) were selected for this receptor in this medium.
NE = Not evaluated; the receptor is not evaluated for exposure to this medium.

[a] Current site use involves exposure to surface soil in its present condition.
[b] Future site use involves exposure to total soil, assuming that development with excavation and grading may be necessary for site development.

Table 6-43

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Surface Soil[a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	1.42E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot bgs.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-44

Cancer Risk and Noncancer Hazard Estimates for Venison Consumption (Indirect Exposure to Surface Soil)[a]
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Venison Consumption HI	ILCR
Metals			
Lead	1.42E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot bgs.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-45

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Total Soil
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	1.42E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-46

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Total Soil
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Groundskeeper HI	ILCR
Metals			
Lead	1.42E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-47

Cancer Risk and Noncancer Hazard Estimates for Construction Worker Exposed to Total Soil
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Construction Worker HI	ILCR
Metals			
Lead	1.42E+03	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-48

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Total Soil
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Metals			
Antimony	2.72E+01	8.75E-01	NA
Lead	1.42E+03	NA	NA
Total HI / ILCR		**8.75E-01**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-49

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-76Q-GP11	PK0015	***4.47E+03***	8.80E+02
HR-76Q-GP01	PK0001	***3.67E+03***	8.80E+02
HR-76Q-GP02	PK0002	***3.60E+03***	8.80E+02
HR-76Q-GP07	PK0010	***3.26E+03***	8.80E+02
HR-76Q-GP08	PK0011	***1.66E+03***	8.80E+02
HR-76Q-GP04	PK0005	***1.38E+03***	8.80E+02
HR-76Q-GP06	PK0007	***1.23E+03***	8.80E+02
HR-76Q-GP03	PK0004	***1.05E+03***	8.80E+02
HR-76Q-GP10	PK0014	3.64E+02	8.80E+02
HR-76Q-GP13	PK0017	2.46E+02	8.80E+02
HR-76Q-GP09	PK0013	1.14E+02	8.80E+02
Subsurface Soil			
HR-76Q-GP06	PK0009	***2.63E+03***	8.80E+02
HR-76Q-GP02	PK0003	5.93E+02	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-50

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-76Q-GP11	PK0015	***4.47E+03***	8.80E+02
HR-76Q-GP01	PK0001	***3.67E+03***	8.80E+02
HR-76Q-GP02	PK0002	***3.60E+03***	8.80E+02
HR-76Q-GP07	PK0010	***3.26E+03***	8.80E+02
HR-76Q-GP08	PK0011	***1.66E+03***	8.80E+02
HR-76Q-GP04	PK0005	***1.38E+03***	8.80E+02
HR-76Q-GP06	PK0007	***1.23E+03***	8.80E+02
HR-76Q-GP03	PK0004	***1.05E+03***	8.80E+02
HR-76Q-GP10	PK0014	3.64E+02	8.80E+02
HR-76Q-GP13	PK0017	2.46E+02	8.80E+02
HR-76Q-GP09	PK0013	1.14E+02	8.80E+02
Subsurface Soil			
HR-76Q-GP06	PK0009	***2.63E+03***	8.80E+02
HR-76Q-GP02	PK0003	5.93E+02	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-51

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 20 (Parcel 76Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-76Q-GP11	PK0015	***4.47E+03***	4.00E+02
HR-76Q-GP01	PK0001	***3.67E+03***	4.00E+02
HR-76Q-GP02	PK0002	***3.60E+03***	4.00E+02
HR-76Q-GP07	PK0010	***3.26E+03***	4.00E+02
HR-76Q-GP08	PK0011	***1.66E+03***	4.00E+02
HR-76Q-GP04	PK0005	***1.38E+03***	4.00E+02
HR-76Q-GP06	PK0007	***1.23E+03***	4.00E+02
HR-76Q-GP03	PK0004	***1.05E+03***	4.00E+02
HR-76Q-GP10	PK0014	3.64E+02	4.00E+02
HR-76Q-GP13	PK0017	2.46E+02	4.00E+02
HR-76Q-GP09	PK0013	1.14E+02	4.00E+02
Subsurface Soil			
HR-76Q-GP06	PK0009	***2.63E+03***	4.00E+02
HR-76Q-GP02	PK0003	***5.93E+02***	4.00E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-52

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-DEP04	PL0123	18-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-DEP07	PL0126	19-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-DEP08	PL0127	18-Mar-02	0 - 1	Lead
HR-79Q-GP01	PL0067	18-Mar-02	0 - 1	Lead
HR-79Q-GP02	PL0068	18-Mar-02	0 - 1	Lead
HR-79Q-GP03	PL0069	18-Mar-02	0 - 1	Lead
HR-79Q-GP04	PL0071	9-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP05	PL0073	7-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP06	PL0074	18-Mar-02	0 - 1	Lead
HR-79Q-GP07	PL0075	8-May-02	0 - 1	Lead
HR-79Q-GP08	PL0076	7-May-02	0 - 1	Lead
HR-79Q-GP09	PL0077	7-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP10	PL0078	8-May-02	0 - 1	Lead
HR-79Q-GP11	PL0079	7-May-02	0 - 1	Lead
HR-79Q-GP12	PL0080	10-Apr-02	0 - 1	Lead
HR-79Q-GP13	PL0082	7-May-02	0 - 1	Lead
HR-79Q-GP14	PL0083	8-May-02	0 - 1	Lead
HR-79Q-GP15	PL0084	7-May-02	0 - 1	Lead
HR-79Q-GP16	PL0085	8-May-02	0 - 1	Metals
HR-79Q-GP17	PL0086	8-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP18	PL0088	10-Apr-02	0 - 1	Metals
HR-79Q-GP19	PL0090	7-May-02	0 - 1	Lead
HR-79Q-GP20	PL0091	9-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP21	PL0093	8-May-02	0 - 1	Lead
HR-79Q-GP22	PL0094	7-May-02	0 - 1	Lead
HR-79Q-GP23	PL0095	8-May-02	0 - 1	Lead
HR-79Q-GP24	PL0096	7-May-02	0 - 1	Lead
HR-79Q-GP25	PL0097	8-May-02	0 - 1	Lead
HR-79Q-GP26	PL0098	8-May-02	0 - 1	Lead

Table 6-52

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-GP27	PL0099	7-May-02	0 - 1	Lead
HR-79Q-GP28	PL0100	10-Apr-02	0 - 1	Metals
HR-79Q-GP29	PL0103	8-May-02	0 - 1	Lead
HR-79Q-GP30	PL0104	7-May-02	0 - 1	Lead
HR-79Q-GP31	PL0105	10-Apr-02	0 - 1	Lead
HR-79Q-GP32	PL0106	10-Apr-02	0 - 1	Lead
HR-79Q-GP33	PL0107	7-May-02	0 - 1	Lead
HR-79Q-GP34	PL0108	8-May-02	0 - 1	Lead
HR-79Q-GP35	PL0131	10-Apr-02	0 - 1	Lead
HR-79Q-GP36	PL0137	8-May-02	0 - 1	Lead
HR-79Q-GP37	PL0138	8-May-02	0 - 1	Lead
HR-79Q-GP38	PL0139	28-Aug-02	0 - 1	NITRO
HR-79Q-GP40	PL0143	28-Aug-02	0 - 1	NITRO
HR-79Q-GP41	PL0145	28-Aug-02	0 - 1	NITRO
HR-79Q-GP42	PL0147	27-Aug-02	0 - 1	NITRO
HR-79Q-GP43	PL0149	27-Aug-02	0 - 1	NITRO
HR-79Q-GP44	PL0151	27-Aug-02	0 - 1	NITRO
HR-79Q-GP45	PL0153	18-Sep-02	0 - 1	NITRO
HR-79Q-GP46	PL0155	27-Aug-02	0 - 1	NITRO
HR-79Q-GP47	PL0157	27-Aug-02	0 - 1	NITRO
HR-79Q-MW01	PL0109	9-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-MW02	PL0112	9-Apr-02	0 - 1	Lead
HR-79Q-MW03	PL0114	9-Apr-02	0 - 1	Lead
HR-79Q-MW04	PL0116	10-Apr-02	0 - 1	Metals
HR-79Q-SB01	PL0001	11-Mar-02	0 - 1	Metals
HR-79Q-SB02	PL0007	13-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SB03	PL0014	13-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SB04	PL0021	13-Mar-02	0 - 1	Lead

Table 6-52

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-SB05	PL0027	13-Mar-02	0 - 1	Metals
HR-79Q-SB06	PL0034	14-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SB07	PL0040	14-Mar-02	0 - 1	Metals
HR-79Q-SB08	PL0047	15-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SB09	PL0053	14-Mar-02	0 - 1	Metals
HR-79Q-SB10	PL0060	18-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SS01	PL0003	11-Mar-02	0 - 1	Lead
HR-79Q-SS02	PL0004	11-Mar-02	0 - 1	Lead
HR-79Q-SS03	PL0005	11-Mar-02	0 - 1	Lead
HR-79Q-SS04	PL0006	11-Mar-02	0 - 1	Lead
HR-79Q-SS05	PL0010	11-Mar-02	0 - 1	Lead
HR-79Q-SS06	PL0011	11-Mar-02	0 - 1	Lead
HR-79Q-SS07	PL0012	11-Mar-02	0 - 1	Lead
HR-79Q-SS08	PL0013	11-Mar-02	0 - 1	Lead
HR-79Q-SS09	PL0017	11-Mar-02	0 - 1	Lead
HR-79Q-SS10	PL0018	11-Mar-02	0 - 1	Lead
HR-79Q-SS11	PL0019	12-Mar-02	0 - 1	Lead
HR-79Q-SS12	PL0020	12-Mar-02	0 - 1	Lead
HR-79Q-SS13	PL0023	12-Mar-02	0 - 1	Metals
HR-79Q-SS14	PL0024	12-Mar-02	0 - 1	Lead
HR-79Q-SS15	PL0025	12-Mar-02	0 - 1	Lead
HR-79Q-SS16	PL0026	12-Mar-02	0 - 1	Lead
HR-79Q-SS17	PL0030	13-Mar-02	0 - 1	Lead
HR-79Q-SS18	PL0031	13-Mar-02	0 - 1	Lead
HR-79Q-SS19	PL0032	13-Mar-02	0 - 1	Lead
HR-79Q-SS20	PL0033	13-Mar-02	0 - 1	Lead
HR-79Q-SS21	PL0036	14-Mar-02	0 - 1	Lead
HR-79Q-SS22	PL0037	14-Mar-02	0 - 1	Lead

Table 6-52

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-SS23	PL0038	14-Mar-02	0 - 1	Lead
HR-79Q-SS24	PL0039	14-Mar-02	0 - 1	Lead
HR-79Q-SS25	PL0042	14-Mar-02	0 - 1	Lead
HR-79Q-SS26	PL0044	14-Mar-02	0 - 1	Lead
HR-79Q-SS27	PL0045	14-Mar-02	0 - 1	Lead
HR-79Q-SS28	PL0046	14-Mar-02	0 - 1	Lead
HR-79Q-SS29	PL0049	15-Mar-02	0 - 1	Lead
HR-79Q-SS30	PL0050	15-Mar-02	0 - 1	Lead
HR-79Q-SS31	PL0051	15-Mar-02	0 - 1	Lead
HR-79Q-SS32	PL0052	15-Mar-02	0 - 1	Lead
HR-79Q-SS33	PL0055	14-Mar-02	0 - 1	Lead
HR-79Q-SS34	PL0056	14-Mar-02	0 - 1	Lead
HR-79Q-SS35	PL0058	14-Mar-02	0 - 1	Lead
HR-79Q-SS36	PL0059	14-Mar-02	0 - 1	Lead
HR-79Q-SS37	PL0062	18-Mar-02	0 - 1	Lead
HR-79Q-SS38	PL0063	18-Mar-02	0 - 1	Lead
HR-79Q-SS39	PL0064	18-Mar-02	0 - 1	Lead
HR-79Q-SS40	PL0066	18-Mar-02	0 - 1	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-53

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-GP04	PL0072	9-Apr-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP12	PL0081	10-Apr-02	2 - 4	Lead
HR-79Q-GP18	PL0089	10-Apr-02	4 - 6	Metals
HR-79Q-GP18	PL0133	10-Apr-02	2 - 4	Lead
HR-79Q-GP20	PL0092	9-Apr-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-GP28	PL0101	10-Apr-02	2 - 4	Metals
HR-79Q-GP28	PL0102	10-Apr-02	4 - 6	Metals
HR-79Q-GP31	PL0129	10-Apr-02	2 - 4	Lead
HR-79Q-GP31	PL0134	10-Apr-02	4 - 6	Lead
HR-79Q-GP32	PL0130	10-Apr-02	2 - 4	Lead
HR-79Q-GP32	PL0135	10-Apr-02	4 - 6	Lead
HR-79Q-GP35	PL0132	10-Apr-02	3 - 4	Lead
HR-79Q-GP35	PL0136	10-Apr-02	4 - 6	Lead
HR-79Q-GP38	PL0140	28-Aug-02	3 - 4	NITRO
HR-79Q-GP40	PL0144	28-Aug-02	3 - 4	NITRO
HR-79Q-GP41	PL0146	28-Aug-02	3 - 4	NITRO
HR-79Q-GP42	PL0148	27-Aug-02	3 - 4	NITRO
HR-79Q-GP43	PL0150	27-Aug-02	3 - 4	NITRO
HR-79Q-GP44	PL0152	27-Aug-02	3 - 4	NITRO
HR-79Q-GP45	PL0154	18-Sep-02	2 - 3	NITRO
HR-79Q-GP46	PL0156	27-Aug-02	3 - 4	NITRO
HR-79Q-GP47	PL0158	27-Aug-02	3 - 4	NITRO
HR-79Q-MW01	PL0110	9-Apr-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-MW02	PL0113	9-Apr-02	3 - 4	Lead
HR-79Q-MW03	PL0115	9-Apr-02	3 - 4	Lead
HR-79Q-MW04	PL0118	10-Apr-02	2 - 4	Metals
HR-79Q-SB01	PL0002	11-Mar-02	2 - 3	Lead
HR-79Q-SB02	PL0009	13-Mar-02	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs

Table 6-53

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-SB03	PL0016	13-Mar-02	3 - 4	Metals
HR-79Q-SB04	PL0022	13-Mar-02	3 - 4	Lead
HR-79Q-SB05	PL0028	13-Mar-02	2 - 3	Lead
HR-79Q-SB06	PL0035	14-Mar-02	3 - 4	Lead
HR-79Q-SB07	PL0041	14-Mar-02	3 - 4	Lead
HR-79Q-SB08	PL0048	15-Mar-02	3 - 4	Lead
HR-79Q-SB09	PL0054	14-Mar-02	3 - 4	Lead
HR-79Q-SB10	PL0061	18-Mar-02	3 - 4	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-54

Surface Water Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-SW/SD01	PL2001	18-Mar-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SW/SD02	PL2002	19-Mar-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SW/SD03	PL2004	20-Mar-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SW/SD04	PL2005	20-Mar-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-SW/SD05	PL2006	21-Mar-02	0 - 0	Lead
HR-79Q-SW/SD06	PL2007	21-Mar-02	0 - 0	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-55

Sediment Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-SW/SD01	PL1001	18-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs
HR-79Q-SW/SD02	PL1002	19-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs
HR-79Q-SW/SD03	PL1003	20-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs
HR-79Q-SW/SD04	PL1004	20-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs
HR-79Q-SW/SD05	PL1005	20-Mar-02	0 - 0.5	Lead, TOC
HR-79Q-SW/SD06	PL1006	20-Mar-02	0 - 0.5	Lead, TOC

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
TOC = Total organic carbon
VOCs = Volatile organic compounds

Table 6-56

Groundwater Samples Used in Streamlined Risk Assessment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-79Q-MW01	PL3001	11-Jun-02	5 - 10	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-79Q-MW02	PL3003	13-Jun-02	5 - 10	Metals, NITRO
HR-79Q-MW03	PL3004	19-Jun-02	45 - 75	Metals, NITRO

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-57

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Alabama

(Page 1 of 2)

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Metals											
Aluminum	22 / 22	100	4.20E+03	2.34E+04	5.66E+00	6.77E+00	L	1.00E+04	1.41E+04	1.63E+04	N (c)
Antimony	3 / 22	14	5.86E+00	8.34E+00	4.43E+00	5.31E+00	NP	3.01E+00	4.65E+00	1.99E+00	Y
Arsenic	22 / 22	100	1.37E+00	1.75E+01	1.69E-01	2.02E-01	L	5.04E+00	8.56E+00	1.37E+01	N (c)
Barium	22 / 22	100	4.45E+01	5.70E+02	3.80E-01	4.55E-01	L	1.54E+02	2.73E+02	1.24E+02	N (c)
Beryllium	18 / 22	82	4.12E-01	1.60E+00	3.78E-01	4.52E-01	N	7.20E-01	8.56E-01	8.00E-01	N (c)
Calcium	22 / 22	100	1.79E+02	2.41E+03	1.31E+01	1.56E+01	L	7.59E+02	1.37E+03	1.72E+03	N (e)
Chromium	22 / 22	100	5.04E+00	2.48E+01	9.10E-01	1.09E+00	N	1.34E+01	1.53E+01	3.70E+01	N (a)
Cobalt	21 / 22	95	1.50E+00	3.17E+01	1.16E+00	1.38E+00	L	9.14E+00	1.63E+01	1.52E+01	N (c)
Copper	22 / 22	100	8.37E+00	1.94E+02	8.82E-01	1.06E+00	NP	5.80E+01	1.13E+02	1.27E+01	Y
Iron	22 / 22	100	5.80E+03	4.27E+04	1.12E+01	1.35E+01	L	1.63E+04	2.40E+04	3.42E+04	N (c)
Lead	94 / 94	100	8.79E+00	1.01E+04	2.24E-01	2.71E-01	L	5.10E+02	NA	4.01E+01	Y
Magnesium	22 / 22	100	1.80E+02	1.26E+03	1.77E+01	2.11E+01	L	4.80E+02	7.10E+02	1.03E+03	N (e)
Manganese	22 / 22	100	3.12E+01	4.58E+03	4.38E-01	5.24E-01	L	1.19E+03	2.21E+03	1.58E+03	N (c)
Mercury	13 / 20	65	3.06E-02	7.45E-02	2.50E-02	3.36E-02	NP	3.41E-02	5.22E-02	8.00E-02	N (a)
Nickel	22 / 22	100	2.20E+00	1.41E+01	6.19E-01	7.40E-01	L	6.27E+00	9.49E+00	1.03E+01	N (c)
Potassium	22 / 22	100	1.64E+02	2.48E+03	8.05E+01	9.63E+01	L	7.28E+02	1.27E+03	8.00E+02	N (e)
Selenium	3 / 22	14	5.70E-01	1.08E+00	5.26E-01	6.30E-01	NP	3.44E-01	5.21E-01	4.80E-01	N (c)
Sodium	16 / 20	80	3.66E+01	1.57E+02	2.02E+01	2.42E+01	NP	6.07E+01	1.03E+02	6.34E+02	N (e)
Vanadium	22 / 22	100	8.78E+00	3.94E+01	8.84E-01	1.06E+00	L	1.89E+01	2.63E+01	5.88E+01	N (a)
Zinc	22 / 22	100	7.99E+00	6.00E+01	3.24E-01	3.88E-01	L	2.93E+01	4.28E+01	4.06E+01	N (c)
Herbicides											
MCPP	3 / 13	23	7.40E-01	2.90E+00	1.90E-01	3.10E-01	NP	4.35E-01	1.41E+00		Y
Pesticides and PCBs											
4,4'-DDD	1 / 13	8	1.30E-03	1.30E-03	9.70E-04	1.40E-03	NP	6.60E-04	9.09E-04		Y
4,4'-DDE	1 / 13	8	3.30E-03	3.30E-03	9.20E-04	1.40E-03	NP	7.82E-04	1.72E-03		Y
4,4'-DDT	1 / 13	8	3.00E-03	3.00E-03	5.90E-04	8.50E-04	NP	5.57E-04	1.47E-03		Y
Aldrin	2 / 13	15	3.80E-03	1.30E-02	4.80E-04	8.60E-04	NP	1.58E-03	6.00E-03		Y
alpha-BHC	2 / 13	15	5.70E-04	7.70E-04	2.10E-04	2.60E-04	NP	2.02E-04	4.65E-04		Y
alpha-Chlordane	3 / 13	23	3.50E-04	1.50E-02	1.70E-04	2.20E-04	NP	1.35E-03	6.45E-03		Y
Aroclor 1260	1 / 13	8	2.20E-02	2.20E-02	8.20E-03	1.10E-02	NP	6.21E-03	1.21E-02		Y
beta-BHC	3 / 13	23	1.10E-03	6.60E-03	2.50E-04	5.10E-04	NP	8.55E-04	3.09E-03		Y
Dieldrin	3 / 13	23	8.80E-04	3.90E-03	3.40E-04	4.50E-04	NP	6.36E-04	1.94E-03		Y
Endosulfan I	1 / 13	8	7.00E-03	7.00E-03	3.60E-04	9.80E-04	NP	8.44E-04	3.14E-03		Y
Endosulfan II	1 / 13	8	2.50E-02	2.50E-02	3.50E-04	7.50E-04	NP	2.18E-03	1.07E-02		Y
Endosulfan sulfate	2 / 13	15	2.70E-03	1.10E-02	4.50E-04	6.60E-04	NP	1.29E-03	5.00E-03		Y
Endrin	1 / 13	8	3.60E-03	3.60E-03	3.30E-04	4.50E-04	NP	4.59E-04	1.63E-03		Y
gamma-BHC (Lindane)	2 / 13	15	1.20E-03	2.10E-02	1.70E-04	3.30E-04	NP	1.81E-03	8.97E-03		Y
gamma-Chlordane	1 / 13	8	2.40E-03	2.40E-03	2.10E-04	2.80E-04	NP	2.95E-04	1.08E-03		Y
Methoxychlor	1 / 13	8	2.10E-02	2.10E-02	2.80E-03	4.70E-03	NP	3.37E-03	9.95E-03		Y

Table 6-57

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution [b]	Arithmetic Mean (mg/kg)	95% UCL [c] (mg/kg)	Background Screening Criterion [d] (mg/kg)	Site-Related? [e]
Nitroaromatics											
2,4-Dinitrotoluene	2 / 22	9	1.10E+00	1.00E+01	9.00E-02	9.00E-02	NP	5.45E-01	2.57E+00		Y
2,6-Dinitrotoluene	1 / 22	5	4.10E-01	4.10E-01	1.30E-01	1.30E-01	NP	8.07E-02	1.51E-01		Y
Semivolatile Organic Compounds											
Benzo(b)fluoranthene	1 / 13	8	8.40E-02	8.40E-02	7.30E-02	8.70E-02	NP	4.25E-02	5.82E-02		Y
Chrysene	1 / 13	8	6.20E-02	6.20E-02	5.30E-02	6.40E-02	NP	3.11E-02	4.27E-02		Y
Di-n-butyl phthalate	2 / 13	15	1.60E-01	1.30E+00	5.80E-02	6.90E-02	NP	1.39E-01	5.74E-01		Y
Fluoranthene	1 / 13	8	8.70E-02	8.70E-02	6.10E-02	7.30E-02	NP	3.69E-02	5.57E-02		Y
N-Nitrosodiphenylamine	2 / 13	15	6.60E-01	4.10E+00	5.50E-02	6.60E-02	NP	3.91E-01	1.79E+00		Y
Pyrene	1 / 13	8	7.00E-02	7.00E-02	5.90E-02	7.10E-02	NP	3.45E-02	4.79E-02		Y
Volatile Organic Compounds											
2-Butanone	6 / 10	60	1.30E-02	6.00E-02	2.40E-03	3.90E-03	NP	1.62E-02	4.20E-02		Y
Acetone	13 / 13	100	3.30E-02	5.50E-01	2.20E-03	1.90E-01	N	2.72E-01	3.51E-01		Y
Cis-1,2-Dichloroethene	1 / 13	8	4.50E-03	4.50E-03	2.00E-04	3.50E-04	NP	4.64E-04	1.97E-03		Y
Methylene chloride	2 / 11	18	3.00E-03	3.30E-03	1.10E-03	2.00E-03	NP	1.16E-03	2.50E-03		Y
p-Cymene	1 / 13	8	1.90E-03	1.90E-03	2.00E-04	3.50E-04	NP	2.62E-04	8.73E-04		Y
Toluene	5 / 13	38	9.80E-04	2.00E-03	4.30E-04	7.60E-04	NP	7.22E-04	1.52E-03		Y
Trichloroethene	1 / 13	8	1.80E-03	1.80E-03	2.50E-04	4.40E-04	NP	2.87E-04	8.51E-04		Y
Trichlorofluoromethane	1 / 13	8	3.30E-03	3.30E-03	2.10E-04	3.80E-04	NP	3.78E-04	1.47E-03		Y

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
- N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
- N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
- N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
- N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
- N (e) = essential nutrient.

Table 6-58

Selection of Site-Related Chemicals for Subsurface Soil [a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related? [e]
Metals											
Aluminum	9 / 9	100	7.29E+03	1.77E+04	5.80E+00	6.27E+00	N	1.28E+04	1.48E+04	1.36E+04	N (c)
Antimony	1 / 9	11	4.74E+00	4.74E+00	4.55E+00	4.92E+00	NP	2.61E+00	3.80E+00	1.31E+00	Y
Arsenic	9 / 9	100	2.13E+00	1.74E+01	1.73E-01	1.87E-01	L	7.42E+00	1.43E+01	1.83E+01	N (a)
Barium	9 / 9	100	3.45E+01	1.55E+02	3.90E-01	4.21E-01	N	8.74E+01	1.12E+02	2.34E+02	N (a)
Beryllium	7 / 9	78	4.51E-01	1.27E+00	3.88E-01	4.19E-01	N	7.28E-01	9.63E-01	8.60E-01	N (c)
Calcium	9 / 9	100	1.92E+02	1.11E+03	1.34E+01	1.45E+01	L	5.67E+02	1.10E+03	6.37E+02	N (e)
Chromium	9 / 9	100	7.06E+00	4.48E+01	9.33E-01	1.01E+00	N	2.39E+01	3.10E+01	3.83E+01	N (c)
Cobalt	9 / 9	100	3.14E+00	1.52E+01	1.19E+00	1.28E+00	L	7.12E+00	1.30E+01	1.75E+01	N (a)
Copper	9 / 9	100	5.85E+00	7.31E+01	9.04E-01	9.78E-01	L	2.88E+01	5.92E+01	1.94E+01	Y
Iron	9 / 9	100	6.98E+03	4.64E+04	1.15E+01	1.25E+01	N	2.87E+04	3.77E+04	4.48E+04	N (c)
Lead	27 / 27	100	5.22E+00	2.30E+03	2.17E-01	2.82E-01	NP	2.15E+02	NA	3.85E+01	Y
Magnesium	9 / 9	100	2.81E+02	7.56E+02	1.81E+01	1.96E+01	N	5.13E+02	6.18E+02	7.66E+02	N (e)
Manganese	9 / 9	100	3.86E+01	1.61E+03	4.49E-01	4.85E-01	L	6.10E+02	1.53E+03	1.36E+03	N (c)
Mercury	7 / 7	100	3.40E-02	1.65E-01	2.90E-02	3.12E-02	L	6.89E-02	1.46E-01	7.00E-02	N (c)
Nickel	9 / 9	100	4.28E+00	1.28E+01	6.34E-01	6.86E-01	N	8.07E+00	9.80E+00	1.29E+01	N (a)
Potassium	9 / 9	100	1.72E+02	1.21E+03	8.25E+01	8.92E+01	N	6.98E+02	8.88E+02	7.11E+02	N (e)
Selenium	6 / 9	67	6.13E-01	1.16E+00	5.40E-01	5.84E-01	N	6.44E-01	8.45E-01	4.70E-01	N (c)
Sodium	9 / 9	100	4.82E+01	2.25E+02	2.07E+01	2.24E+01	NP	9.32E+01	1.85E+02	7.02E+02	N (e)
Thallium	4 / 9	44	1.00E+00	1.76E+00	6.99E-01	7.56E-01	NP	8.34E-01	1.73E+00	1.40E+00	N (b)
Vanadium	9 / 9	100	1.07E+01	5.25E+01	9.07E-01	9.80E-01	N	3.05E+01	3.82E+01	6.49E+01	N (a)
Zinc	9 / 9	100	1.00E+01	5.69E+01	3.32E-01	3.59E-01	N	3.43E+01	4.41E+01	3.49E+01	N (c)
Pesticides											
alpha-Chlordane	1 / 4	25	4.20E-04	4.20E-04	1.90E-04	2.00E-04	NA	1.78E-04	NA		Y
Dieldrin	1 / 4	25	2.60E-03	2.60E-03	3.90E-04	3.90E-04	NA	7.96E-04	NA		Y
Endrin	1 / 4	25	4.10E-03	4.10E-03	3.80E-04	3.90E-04	NA	1.17E-03	NA		Y
gamma-Chlordane	2 / 4	50	6.30E-04	1.90E-02	2.20E-04	2.40E-04	NA	4.97E-03	NA		Y
Nitroaromatics											
2,4-Dinitrotoluene	1 / 13	8	4.40E-01	4.40E-01	9.00E-02	9.00E-02	NP	7.54E-02	2.11E-01		Y
Semivolatile Organic Compounds											
Di-n-butyl phthalate	1 / 4	25	3.10E-01	3.10E-01	6.00E-02	6.00E-02	NA	1.00E-01	NA		Y
N-Nitrosodiphenylamine	1 / 4	25	9.60E-01	9.60E-01	5.70E-02	5.80E-02	NA	2.62E-01	NA		Y
Volatile Organic Compounds											
Acetone	4 / 4	100	4.20E-02	1.10E-01	2.40E-03	2.70E-03	NA	7.75E-02	NA		Y

mg/kg = milligrams per kilogram

Table 6-58

Selection of Site-Related Chemicals for Subsurface Soil [a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related? [e]

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 2 to 6 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution; distribution is not determined for data sets containing fewer than 5 samples.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for subsurface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-59

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	8.34E+00	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	4.65E+00
Copper	1.94E+02	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	1.01E+04	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	5.10E+02
Herbicides																						
MCPP	2.90E+00	6.18E+02	N	NA	NA	NA	NA	NA	NA	1.02E+02	N	NA	NA	4.97E+01	N	NA	NA	7.77E+00	N	NA	NA	
Pesticides and PCBs																						
4,4'-DDD	1.30E-03	NA	NA	1.72E+02	N	NA	NA	3.21E+03	N	NA	NA	1.17E+01	N	NA	NA	1.37E+02	N	NA	NA	2.54E+00	N	
4,4'-DDE	3.30E-03	NA	NA	1.22E+02	N	NA	NA	2.52E+03	N	NA	NA	8.27E+00	N	NA	NA	9.67E+01	N	NA	NA	1.79E+00	N	
4,4'-DDT	3.00E-03	2.95E+02	N	1.22E+02	N	3.19E+03	N	1.31E+03	N	5.02E+01	N	8.11E+00	N	2.35E+01	N	9.50E+01	N	3.83E+00	N	1.79E+00	N	
Aldrin	1.30E-02	1.82E+01	N	2.50E+00	N	4.96E+03	N	6.81E+02	N	3.03E+00	N	1.63E-01	N	1.46E+00	N	1.96E+00	N	2.32E-01	N	3.65E-02	N	
alpha-BHC	7.70E-04	NA	NA	6.87E+00	N	NA	NA	8.53E+02	N	NA	NA	4.43E-01	N	NA	NA	5.42E+00	N	NA	NA	1.00E-01	N	
alpha-Chlordane	1.50E-02	2.84E+02	N	1.14E+02	N	7.08E+03	N	2.83E+03	N	4.74E+01	N	7.80E+00	N	2.15E+01	N	8.83E+01	N	3.79E+00	N	1.69E+00	N	
Aroclor 1260	2.20E-02	NA	NA	1.96E+01	N	NA	NA	1.46E+02	N	NA	NA	1.36E+00	N	NA	NA	1.52E+01	N	NA	NA	2.93E-01	N	
beta-BHC	6.60E-03	NA	NA	2.40E+01	N	NA	NA	2.90E+03	N	NA	NA	1.55E+00	N	NA	NA	1.89E+01	N	NA	NA	3.50E-01	N	
Dieldrin	3.90E-03	3.03E+01	N	2.65E+00	N	1.83E+03	N	1.60E+02	N	5.06E+00	N	1.74E-01	N	2.43E+00	N	2.08E+00	N	3.86E-01	N	3.88E-02	N	
Endosulfan I	7.00E-03	3.69E+03	N	NA	NA	6.28E+05	N	NA	NA	6.09E+02	N	NA	NA	2.97E+02	N	NA	NA	4.66E+01	N	NA	NA	
Endosulfan II	2.50E-02	3.69E+03	N	NA	NA	6.28E+05	N	NA	NA	6.09E+02	N	NA	NA	2.97E+02	N	NA	NA	4.66E+01	N	NA	NA	
Endosulfan sulfate	1.10E-02	3.69E+03	N	NA	NA	6.28E+05	N	NA	NA	6.09E+02	N	NA	NA	2.97E+02	N	NA	NA	4.66E+01	N	NA	NA	
Endrin	3.60E-03	1.82E+02	N	NA	NA	1.10E+04	N	NA	NA	3.03E+01	N	NA	NA	1.46E+01	N	NA	NA	2.32E+00	N	NA	NA	
gamma-BHC (Lindane)	2.10E-02	1.86E+02	N	3.33E+01	N	2.49E+04	N	4.47E+03	N	3.05E+01	N	2.19E+00	N	1.49E+01	N	2.68E+01	N	2.33E+00	N	4.85E-01	N	
gamma-Chlordane	2.40E-03	2.84E+02	N	1.14E+02	N	7.08E+03	N	2.83E+03	N	4.74E+01	N	7.80E+00	N	2.15E+01	N	8.83E+01	N	3.79E+00	N	1.69E+00	N	
Methoxychlor	2.10E-02	3.09E+03	N	NA	NA	1.89E+05	N	NA	NA	5.08E+02	N	NA	NA	2.49E+02	N	NA	NA	3.89E+01	N	NA	NA	
Nitroaromatics																						
2,4-Dinitrotoluene	1.00E+01	1.24E+03	N	6.37E+01	N	NA	NA	NA	NA	2.03E+02	N	4.19E+00	Y	9.96E+01	N	5.13E+01	N	1.55E+01	N	9.27E-01	Y	2.57E+00
2,6-Dinitrotoluene	4.10E-01	6.19E+02	N	6.37E+01	N	NA	NA	NA	NA	1.02E+02	N	4.19E+00	N	4.98E+01	N	5.13E+01	N	7.77E+00	N	9.27E-01	N	
Semivolatile Organic Compounds																						
Benzo(b)fluoranthene	8.40E-02	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	N	NA	NA	4.62E+01	N	NA	NA	8.51E-01	N	
Chrysene	6.20E-02	NA	NA	5.90E+03	N	NA	NA	NA	NA	NA	NA	3.86E+02	N	NA	NA	4.71E+03	N	NA	NA	8.61E+01	N	
Di-n-butyl phthalate	1.30E+00	6.26E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	5.05E+03	N	NA	NA	7.80E+02	N	NA	NA	
Fluoranthene	8.70E-02	2.43E+04	N	NA	NA	NA	NA	NA	NA	4.05E+03	N	NA	NA	1.94E+03	N	NA	NA	3.09E+02	N	NA	NA	
N-Nitrosodiphenylamine	4.10E+00	NA	NA	8.84E+03	N	NA	NA	NA	NA	NA	NA	5.81E+02	N	NA	NA	7.11E+03	N	NA	NA	1.29E+02	N	
Pyrene	7.00E-02	1.85E+04	N	NA	NA	NA	NA	NA	NA	3.05E+03	N	NA	NA	1.48E+03	N	NA	NA	2.33E+02	N	NA	NA	
Volatile Organic Compounds																						
2-Butanone	6.00E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
Acetone	5.50E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	
Cis-1,2-Dichloroethene	4.50E-03	6.19E+03	N	NA	NA	NA	NA	NA	NA	1.02E+03	N	NA	NA	4.98E+02	N	NA	NA	7.77E+01	N	NA	NA	
Methylene chloride	3.30E-03	3.71E+04	N	5.77E+03	N	NA	NA	NA	NA	6.09E+03	N	3.78E+02	N	2.98E+03	N	4.63E+03	N	4.66E+02	N	8.41E+01	N	
p-Cymene	1.90E-03	1.23E+05	N	NA	NA	NA	NA	NA	NA	2.03E+04	N	NA	NA	9.93E+03	N	NA	NA	1.55E+03	N	NA	NA	
Toluene	2.00E-03	1.24E+05	N	NA	NA	NA	NA	NA	NA	1.96E+04	N	NA	NA	9.62E+03	N	NA	NA	1.55E+03	N	NA	NA	
Trichloroethene	1.80E-03	3.70E+03	N	3.93E+03	N	NA	NA	NA	NA	6.10E+02	N	2.56E+02	N	2.98E+02	N	3.13E+03	N	4.66E+01	N	5.72E+01	N	
Trichlorofluoromethane	3.30E-03	1.85E+05	N	NA	NA	NA	NA	NA	NA	2.96E+04	N	NA	NA	1.44E+04	N	NA	NA	2.33E+03	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-60

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	4.74E+00	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	3.80E+00
Copper	7.31E+01	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	2.30E+03	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	2.15E+02
Pesticides																						
alpha-Chlordane	4.20E-04	2.84E+02	N	1.14E+02	N	7.08E+03	N	2.83E+03	N	4.74E+01	N	7.80E+00	N	2.15E+01	N	8.83E+01	N	3.79E+00	N	1.69E+00	N	
Dieldrin	2.60E-03	3.03E+01	N	2.65E+00	N	1.83E+03	N	1.60E+02	N	5.06E+00	N	1.74E-01	N	2.43E+00	N	2.08E+00	N	3.86E-01	N	3.88E-02	N	
Endrin	4.10E-03	1.82E+02	N	NA	NA	1.10E+04	N	NA	NA	3.03E+01	N	NA	NA	1.46E+01	N	NA	NA	2.32E+00	N	NA	NA	
gamma-Chlordane	1.90E-02	2.84E+02	N	1.14E+02	N	7.08E+03	N	2.83E+03	N	4.74E+01	N	7.80E+00	N	2.15E+01	N	8.83E+01	N	3.79E+00	N	1.69E+00	N	
Nitroaromatics																						
2,4-Dinitrotoluene	4.40E-01	1.24E+03	N	6.37E+01	N	NA	NA	NA	NA	2.03E+02	N	4.19E+00	N	9.96E+01	N	5.13E+01	N	1.55E+01	N	9.27E-01	N	
Semivolatile Organic Compounds																						
Di-n-butyl phthalate	3.10E-01	6.26E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	5.05E+03	N	NA	NA	7.80E+02	N	NA	NA	
N-Nitrosodiphenylamine	9.60E-01	NA	NA	8.84E+03	N	NA	NA	NA	NA	NA	NA	5.81E+02	N	NA	NA	7.11E+03	N	NA	NA	1.29E+02	N	
Volatile Organic Compounds																						
Acetone	1.10E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 2 to 6 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-61

Selection of Chemicals of Potential Concern for Total Soil[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Recreational Site User COPC			Venison COPC			Groundskeeper COPC			Construction Worker COPC			On-Site Resident COPC		
	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration
Metals															
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.65E+00	3.80E+00	4.65E+00
Lead	5.10E+02	2.15E+02	5.10E+02	5.10E+02	2.15E+02	5.10E+02	5.10E+02	2.15E+02	5.10E+02	5.10E+02	2.15E+02	5.10E+02	5.10E+02	2.15E+02	5.10E+02
Nitroaromatics															
2,4-Dinitrotoluene	NA	NA	NA	NA	NA	NA	2.57E+00	NA	2.57E+00	NA	NA	NA	2.57E+00	NA	2.57E+00

COPC = Chemical of potential concern.
NA = not applicable; the source-term concentration is presented only if the chemical is selected as a COPC.
[a] Total soil is a hypothetical medium that includes all COPCs identified in surface and subsurface soil.

Table 6-62

Selection of Site-Related Chemicals for Surface Water
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[a]	Arithmetic Mean (mg/L)	Background Screening Criterion[b] (mg/L)	Site-Related?[c]
Metals										
Aluminum	1 / 4	25	5.19E-02	5.19E-02	5.00E-02	5.00E-02	NA	3.17E-02	5.26E+00	N (a)
Barium	4 / 4	100	5.09E-02	9.29E-02	1.00E-03	1.00E-03	NA	6.92E-02	7.54E-02	N (c)
Calcium	4 / 4	100	3.61E+01	7.93E+01	1.50E-01	1.50E-01	NA	5.49E+01	2.52E+01	N (d)
Iron	4 / 4	100	4.04E-02	1.28E-01	6.00E-03	6.00E-03	NA	9.16E-02	1.96E+01	N (a)
Lead	1 / 6	17	1.64E-03	1.64E-03	1.30E-03	1.30E-03	NP	8.15E-04	8.67E-03	N (a)
Magnesium	4 / 4	100	4.71E+00	6.12E+00	5.00E-02	5.00E-02	NA	5.58E+00	1.10E+01	N (d)
Manganese	4 / 4	100	3.40E-03	1.85E-02	3.00E-03	3.00E-03	NA	1.20E-02	5.65E-01	N (a)
Potassium	2 / 4	50	1.03E+00	1.04E+00	7.50E-01	7.50E-01	NA	7.05E-01	2.56E+00	N (d)
Sodium	4 / 4	100	1.15E+00	1.21E+00	7.00E-02	7.00E-02	NA	1.18E+00	3.44E+00	N (d)

NA = Not applicable; mg/L = milligrams per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution, NA = Too few samples to determine statistical distribution.

[b] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface water.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[c] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-63

Selection of Site-Related Chemicals for Sediment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[a]	Arithmetic Mean (mg/kg)	Background Screening Criterion[b] (mg/kg)	Site-Related?[c]
Metals										
Aluminum	4 / 4	100	3.79E+03	1.57E+04	6.25E+00	8.29E+00	NA	9.60E+03	8.59E+03	N (c)
Arsenic	4 / 4	100	3.81E+00	1.03E+01	1.87E-01	2.47E-01	NA	7.59E+00	1.13E+01	N (a)
Barium	4 / 4	100	4.90E+01	2.34E+02	4.20E-01	5.57E-01	NA	1.19E+02	9.89E+01	N (c)
Beryllium	4 / 4	100	6.65E-01	1.81E+00	4.18E-01	5.54E-01	NA	9.88E-01	9.70E-01	N (c)
Calcium	4 / 4	100	5.58E+02	3.93E+03	1.44E+01	1.91E+01	NA	1.96E+03	1.11E+03	N (d)
Chromium	4 / 4	100	1.12E+01	2.31E+01	1.01E+00	1.33E+00	NA	1.72E+01	3.12E+01	N (a)
Cobalt	4 / 4	100	6.17E+00	1.54E+01	1.28E+00	1.69E+00	NA	9.85E+00	1.10E+01	N (c)
Copper	4 / 4	100	7.81E+00	2.20E+02	9.75E-01	1.29E+00	NA	7.17E+01	1.71E+01	Y
Iron	4 / 4	100	1.72E+04	3.05E+04	1.24E+01	1.65E+01	NA	2.50E+04	3.53E+04	N (a)
Lead	6 / 6	100	2.94E+01	5.33E+02	2.49E-01	4.98E-01	NP	1.16E+02	3.78E+01	Y
Magnesium	4 / 4	100	1.96E+02	1.38E+03	1.95E+01	2.59E+01	NA	6.48E+02	9.06E+02	N (d)
Manganese	4 / 4	100	1.13E+02	2.04E+03	4.84E-01	6.41E-01	NA	9.34E+02	7.12E+02	N (c)
Mercury	2 / 4	50	5.35E-02	9.21E-02	3.11E-02	4.12E-02	NA	4.43E-02	1.10E-01	N (a)
Nickel	4 / 4	100	4.10E+00	1.26E+01	6.84E-01	9.06E-01	NA	8.42E+00	1.30E+01	N (a)
Potassium	4 / 4	100	3.61E+02	1.29E+03	8.90E+01	1.18E+02	NA	7.69E+02	1.01E+03	N (d)
Selenium	1 / 4	25	9.45E-01	9.45E-01	5.82E-01	7.71E-01	NA	4.70E-01	7.20E-01	N (b)
Vanadium	4 / 4	100	1.35E+01	3.00E+01	9.78E-01	1.29E+00	NA	2.28E+01	4.09E+01	N (a)
Zinc	4 / 4	100	2.45E+01	7.39E+01	3.58E-01	4.74E-01	NA	4.71E+01	5.27E+01	N (c)
Pesticides										
alpha-BHC	1 / 4	25	1.60E-03	1.60E-03	2.40E-04	3.10E-04	NA	5.03E-04		Y
Heptachlor	2 / 4	50	9.90E-04	1.20E-03	3.90E-04	5.10E-04	NA	6.53E-04		Y
Volatile Organic Compounds										
2-Butanone	3 / 4	75	1.50E-02	5.00E-02	3.40E-03	4.50E-03	NA	2.39E-02		Y
Acetone	4 / 4	100	6.30E-02	5.20E-01	3.30E-03	4.50E-03	NA	2.66E-01		Y
Carbon disulfide	1 / 4	25	4.20E-03	4.20E-03	3.40E-04	4.60E-04	NA	1.18E-03		Y
Methylene chloride	1 / 4	25	3.60E-03	3.60E-03	1.70E-03	2.40E-03	NA	1.64E-03		Y
Toluene	1 / 4	25	2.20E-03	2.20E-03	6.60E-04	9.00E-04	NA	8.10E-04		Y

NA = Not applicable; mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution, NA = Too few samples to determine statistical distribution.

[b] Background screening criterion for inorganic constituents is 2 times the mean background concentration for sediment.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[c] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-64

Selection of Chemicals of Potential Concern for Sediment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg)								Source-Term Concentration [b] (mg/kg)
		Recreational Site User				On-Site Resident[a]				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals										
Copper	2.20E+02	4.74E+04	N	NA	NA	4.74E+04	N	NA	NA	
Lead	5.33E+02	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	1.16E+02
Pesticides										
alpha-BHC	1.60E-03	NA	NA	1.17E+01	N	NA	NA	1.17E+01	N	
Heptachlor	1.20E-03	5.13E+02	N	1.60E+01	N	5.13E+02	N	1.60E+01	N	
Volatile Organic Compounds										
2-Butanone	5.00E-02	6.23E+05	N	NA	NA	6.23E+05	N	NA	NA	
Acetone	5.20E-01	1.03E+05	N	NA	NA	1.03E+05	N	NA	NA	
Carbon disulfide	4.20E-03	1.04E+05	N	NA	NA	1.04E+05	N	NA	NA	
Methylene chloride	3.60E-03	6.33E+04	N	9.84E+03	N	6.33E+04	N	9.84E+03	N	
Toluene	2.20E-03	2.11E+05	N	NA	NA	2.11E+05	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).

COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.

N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.

[a] The resident is evaluated using the recreational site-user SSSLs.

[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration.

Table 6-65

Selection of Site-Related Chemicals for Groundwater
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Aluminum	2 / 3	67	4.03E-01	1.90E+00	5.00E-02	5.00E-02	7.76E-01	2.34E+00	N (a)
Barium	3 / 3	100	1.32E-01	1.35E-01	1.00E-03	1.00E-03	1.34E-01	1.27E-01	N (c)
Calcium	3 / 3	100	6.70E+01	8.52E+01	1.50E-01	1.50E-01	7.90E+01	5.65E+01	N (d)
Iron	3 / 3	100	8.45E-02	1.25E+00	6.00E-03	6.00E-03	4.75E-01	7.04E+00	N (a)
Magnesium	3 / 3	100	4.37E+00	1.06E+01	5.00E-02	5.00E-02	6.85E+00	2.13E+01	N (d)
Manganese	3 / 3	100	4.28E-03	3.24E+00	3.00E-03	3.00E-03	1.37E+00	5.81E-01	N (b)
Potassium	1 / 3	33	1.17E+00	1.17E+00	7.50E-01	7.50E-01	6.40E-01	7.20E+00	N (d)
Sodium	3 / 3	100	1.23E+00	2.51E+00	7.00E-02	7.00E-02	1.75E+00	1.48E+01	N (d)
Pesticides									
alpha-Chlordane	1 / 1	100	1.10E-05	1.10E-05	8.70E-06	8.70E-06	1.10E-05		Y
beta-BHC	1 / 1	100	1.90E-05	1.90E-05	1.30E-05	1.30E-05	1.90E-05		Y
Nitroaromatics									
4-Amino-2,6-dinitrotoluene	1 / 3	33	4.00E-04	4.00E-04	2.10E-04	2.10E-04	2.03E-04		Y
Volatile Organic Compounds									
Carbon disulfide	1 / 1	100	6.80E-04	6.80E-04	1.30E-04	1.30E-04	6.80E-04		Y

NA = Not applicable; mg/L = milligrams per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for groundwater. *(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan*, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.

N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.

N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.

N (d) = essential nutrient.

Table 6-66

Selection of Chemicals of Potential Concern for Groundwater
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/L)	Applicable SSSL (mg/L)												Source-Term Concentration [a] (mg/L)
		Groundskeeper				Construction Worker				On-Site Resident				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Pesticides														
alpha-Chlordane	1.10E-05	4.14E-03	N	6.62E-04	N	4.14E-03	N	1.65E-02	N	7.22E-04	N	1.75E-04	N	
beta-BHC	1.90E-05	NA	NA	1.48E-04	N	NA	NA	3.69E-03	N	NA	NA	3.61E-05	N	
Nitroaromatics														
4-Amino-2,6-dinitrotoluene	4.00E-04	2.04E-03	N	NA	NA	2.04E-03	N	NA	NA	3.12E-04	Y	NA	NA	4.00E-04
Volatile Organic Compounds														
Carbon disulfide	6.80E-04	9.21E-01	N	NA	NA	9.21E-01	N	NA	NA	1.51E-01	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/L = milligrams per liter
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] The maximum detected concentration is selected as the source-term concentration.

Table 6-67

Cancer Risk and Noncancer Hazard Estimates Across All Media
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Medium	Recreational Site User		Groundskeeper		Construction Worker		On-Site Resident	
	HI	ILCR	HI	ILCR	HI	ILCR	HI	ILCR
Surface Soil[a]	NA	NA	NE	NE	NE	NE	NE	NE
Venison Consumption	NA	NA	NE	NE	NE	NE	NE	NE
Total Soil[b]	NA	NA	NA	6.14E-07	NA	NA	1.49E-01	2.77E-06
Groundwater	NE	NE	NA	NA	NA	NA	1.28E-01	NA
Surface Water	NA	NA	NE	NE	NE	NE	NA	NA
Sediment	NA	NA	NE	NE	NE	NE	NA	NA
Total HI / ILCR: Current Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Total HI / ILCR: Future Site Use	**NA**	**NA**	**NA**	**6.14E-07**	**NA**	**NA**	**2.77E-01**	**2.77E-06**

HI = Hazard index
ILCR = Incremental lifetime cancer risk
NA = Not applicable; no chemicals of potential concern (with the possible exception of lead) were selected for this receptor in this medium.
NE = Not evaluated; the receptor is not evaluated for exposure to this medium.

[a] Current site use involves exposure to surface soil in its present condition.
[b] Future site use involves exposure to total soil, assuming that excavation and grading may be necessary for site development.

Table 6-68

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Surface Soil[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	5.10E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-69

Cancer Risk and Noncancer Hazard Estimates for Venison Consumption (Indirect Exposure to Surface Soil)[a]
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Venison Consumption HI	ILCR
Metals			
Lead	5.10E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-70

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Total Soil
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	5.10E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-71

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Sediment
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	1.16E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-72

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Total Soil
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Groundskeeper HI	ILCR
Metals			
Lead	5.10E+02	NA	NA
Nitroaromatics			
2,4-Dinitrotoluene	2.57E+00	NA	6.14E-07
Total HI / ILCR		**NA**	**6.14E-07**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-73

Cancer Risk and Noncancer Hazard Estimates for Construction Worker Exposed to Total Soil
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Construction Worker HI	ILCR
Metals			
Lead	5.10E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-74

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Total Soil
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Metals			
Antimony	4.65E+00	1.49E-01	NA
Lead	5.10E+02	NA	NA
Nitroaromatics			
2,4-Dinitrotoluene	2.57E+00	NA	2.77E-06
Total HI / ILCR		**1.49E-01**	**2.77E-06**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-75

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Groundwater
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/L)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Nitroaromatics			
4-Amino-2,6-dinitrotoluene	4.00E-04	1.28E-01	NA
Total HI / ILCR		**1.28E-01**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/L = milligrams per liter
NA = Not applicable

Table 6-76

Recreational Site User: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-79Q-SS20	PL0033	***1.01E+04***	7.60E+03
HR-79Q-SS15	PL0025	3.85E+03	7.60E+03
HR-79Q-SS18	PL0031	2.48E+03	7.60E+03
HR-79Q-SB05	PL0027	2.36E+03	7.60E+03
HR-79Q-MW01	PL0109	2.16E+03	7.60E+03
HR-79Q-SB06	PL0034	2.03E+03	7.60E+03
HR-79Q-SS16	PL0026	1.83E+03	7.60E+03
HR-79Q-SB09	PL0053	1.25E+03	7.60E+03
HR-79Q-SS05	PL0010	1.22E+03	7.60E+03
HR-79Q-GP32	PL0106	1.05E+03	7.60E+03
HR-79Q-SS08	PL0013	1.04E+03	7.60E+03
HR-79Q-SS02	PL0004	1.00E+03	7.60E+03
HR-79Q-SS06	PL0011	1.00E+03	7.60E+03
HR-79Q-SS17	PL0030	9.23E+02	7.60E+03
HR-79Q-SB02	PL0007	8.68E+02	7.60E+03
HR-79Q-GP13	PL0082	8.47E+02	7.60E+03
HR-79Q-SB04	PL0021	8.22E+02	7.60E+03
HR-79Q-SB01	PL0001	6.70E+02	7.60E+03
HR-79Q-SS09	PL0017	6.44E+02	7.60E+03
HR-79Q-SS25	PL0042	6.08E+02	7.60E+03
HR-79Q-SS23	PL0038	5.99E+02	7.60E+03
HR-79Q-SS14	PL0024	5.75E+02	7.60E+03
HR-79Q-GP31	PL0105	5.39E+02	7.60E+03
HR-79Q-SS26	PL0044	4.79E+02	7.60E+03
HR-79Q-SS21	PL0036	4.53E+02	7.60E+03
HR-79Q-SB03	PL0014	4.52E+02	7.60E+03
HR-79Q-SS22	PL0037	4.50E+02	7.60E+03
HR-79Q-SS24	PL0039	4.41E+02	7.60E+03
HR-79Q-SS29	PL0049	4.40E+02	7.60E+03
HR-79Q-SS03	PL0005	4.32E+02	7.60E+03
HR-79Q-SS10	PL0018	3.50E+02	7.60E+03
HR-79Q-SS11	PL0019	3.43E+02	7.60E+03
HR-79Q-SS34	PL0056	3.35E+02	7.60E+03
HR-79Q-SS35	PL0058	3.04E+02	7.60E+03
HR-79Q-SS12	PL0020	2.97E+02	7.60E+03
HR-79Q-SB08	PL0047	2.79E+02	7.60E+03
HR-79Q-SS32	PL0052	2.79E+02	7.60E+03
HR-79Q-SS04	PL0006	2.62E+02	7.60E+03
HR-79Q-GP20	PL0091	2.55E+02	7.60E+03
HR-79Q-SS38	PL0063	2.48E+02	7.60E+03
HR-79Q-SS07	PL0012	2.20E+02	7.60E+03
HR-79Q-DEP04	PL0123	1.85E+02	7.60E+03
HR-79Q-SS28	PL0046	1.77E+02	7.60E+03
HR-79Q-MW04	PL0116	1.64E+02	7.60E+03
HR-79Q-GP09	PL0077	1.51E+02	7.60E+03
HR-79Q-SS01	PL0003	1.49E+02	7.60E+03
HR-79Q-SS19	PL0032	1.49E+02	7.60E+03
HR-79Q-SS33	PL0055	1.14E+02	7.60E+03

Table 6-76

Recreational Site User: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Subsurface Soil			
HR-79Q-MW01	PL0110	2.30E+03	7.60E+03
HR-79Q-SB07	PL0041	1.04E+03	7.60E+03
HR-79Q-SB04	PL0022	8.79E+02	7.60E+03
HR-79Q-SB01	PL0002	6.34E+02	7.60E+03
HR-79Q-SB05	PL0028	3.74E+02	7.60E+03
HR-79Q-SB02	PL0009	1.23E+02	7.60E+03
Sediment			
HR-79Q-SW/SD02	PL1002	5.33E+02	7.60E+03

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-77

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-79Q-SS20	PL0033	***1.01E+04***	8.80E+02
HR-79Q-SS15	PL0025	***3.85E+03***	8.80E+02
HR-79Q-SS18	PL0031	***2.48E+03***	8.80E+02
HR-79Q-SB05	PL0027	***2.36E+03***	8.80E+02
HR-79Q-MW01	PL0109	***2.16E+03***	8.80E+02
HR-79Q-SB06	PL0034	***2.03E+03***	8.80E+02
HR-79Q-SS16	PL0026	***1.83E+03***	8.80E+02
HR-79Q-SB09	PL0053	***1.25E+03***	8.80E+02
HR-79Q-SS05	PL0010	***1.22E+03***	8.80E+02
HR-79Q-GP32	PL0106	***1.05E+03***	8.80E+02
HR-79Q-SS08	PL0013	***1.04E+03***	8.80E+02
HR-79Q-SS02	PL0004	***1.00E+03***	8.80E+02
HR-79Q-SS06	PL0011	***1.00E+03***	8.80E+02
HR-79Q-SS17	PL0030	***9.23E+02***	8.80E+02
HR-79Q-SB02	PL0007	8.68E+02	8.80E+02
HR-79Q-GP13	PL0082	8.47E+02	8.80E+02
HR-79Q-SB04	PL0021	8.22E+02	8.80E+02
HR-79Q-SB01	PL0001	6.70E+02	8.80E+02
HR-79Q-SS09	PL0017	6.44E+02	8.80E+02
HR-79Q-SS25	PL0042	6.08E+02	8.80E+02
HR-79Q-SS23	PL0038	5.99E+02	8.80E+02
HR-79Q-SS14	PL0024	5.75E+02	8.80E+02
HR-79Q-GP31	PL0105	5.39E+02	8.80E+02
HR-79Q-SS26	PL0044	4.79E+02	8.80E+02
HR-79Q-SS21	PL0036	4.53E+02	8.80E+02
HR-79Q-SB03	PL0014	4.52E+02	8.80E+02
HR-79Q-SS22	PL0037	4.50E+02	8.80E+02
HR-79Q-SS24	PL0039	4.41E+02	8.80E+02
HR-79Q-SS29	PL0049	4.40E+02	8.80E+02
HR-79Q-SS03	PL0005	4.32E+02	8.80E+02
HR-79Q-SS10	PL0018	3.50E+02	8.80E+02
HR-79Q-SS11	PL0019	3.43E+02	8.80E+02
HR-79Q-SS34	PL0056	3.35E+02	8.80E+02
HR-79Q-SS35	PL0058	3.04E+02	8.80E+02
HR-79Q-SS12	PL0020	2.97E+02	8.80E+02
HR-79Q-SB08	PL0047	2.79E+02	8.80E+02
HR-79Q-SS32	PL0052	2.79E+02	8.80E+02
HR-79Q-SS04	PL0006	2.62E+02	8.80E+02
HR-79Q-GP20	PL0091	2.55E+02	8.80E+02
HR-79Q-SS38	PL0063	2.48E+02	8.80E+02
HR-79Q-SS07	PL0012	2.20E+02	8.80E+02
HR-79Q-DEP04	PL0123	1.85E+02	8.80E+02
HR-79Q-SS28	PL0046	1.77E+02	8.80E+02
HR-79Q-MW04	PL0116	1.64E+02	8.80E+02
HR-79Q-GP09	PL0077	1.51E+02	8.80E+02
HR-79Q-SS01	PL0003	1.49E+02	8.80E+02
HR-79Q-SS19	PL0032	1.49E+02	8.80E+02
HR-79Q-SS33	PL0055	1.14E+02	8.80E+02

Table 6-77

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Subsurface Soil			
HR-79Q-MW01	PL0110	***2.30E+03***	8.80E+02
HR-79Q-SB07	PL0041	***1.04E+03***	8.80E+02
HR-79Q-SB04	PL0022	8.79E+02	8.80E+02
HR-79Q-SB01	PL0002	6.34E+02	8.80E+02
HR-79Q-SB05	PL0028	3.74E+02	8.80E+02
HR-79Q-SB02	PL0009	1.23E+02	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-78

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-79Q-SS20	PL0033	***1.01E+04***	8.80E+02
HR-79Q-SS15	PL0025	***3.85E+03***	8.80E+02
HR-79Q-SS18	PL0031	***2.48E+03***	8.80E+02
HR-79Q-SB05	PL0027	***2.36E+03***	8.80E+02
HR-79Q-MW01	PL0109	***2.16E+03***	8.80E+02
HR-79Q-SB06	PL0034	***2.03E+03***	8.80E+02
HR-79Q-SS16	PL0026	***1.83E+03***	8.80E+02
HR-79Q-SB09	PL0053	***1.25E+03***	8.80E+02
HR-79Q-SS05	PL0010	***1.22E+03***	8.80E+02
HR-79Q-GP32	PL0106	***1.05E+03***	8.80E+02
HR-79Q-SS08	PL0013	***1.04E+03***	8.80E+02
HR-79Q-SS02	PL0004	***1.00E+03***	8.80E+02
HR-79Q-SS06	PL0011	***1.00E+03***	8.80E+02
HR-79Q-SS17	PL0030	***9.23E+02***	8.80E+02
HR-79Q-SB02	PL0007	8.68E+02	8.80E+02
HR-79Q-GP13	PL0082	8.47E+02	8.80E+02
HR-79Q-SB04	PL0021	8.22E+02	8.80E+02
HR-79Q-SB01	PL0001	6.70E+02	8.80E+02
HR-79Q-SS09	PL0017	6.44E+02	8.80E+02
HR-79Q-SS25	PL0042	6.08E+02	8.80E+02
HR-79Q-SS23	PL0038	5.99E+02	8.80E+02
HR-79Q-SS14	PL0024	5.75E+02	8.80E+02
HR-79Q-GP31	PL0105	5.39E+02	8.80E+02
HR-79Q-SS26	PL0044	4.79E+02	8.80E+02
HR-79Q-SS21	PL0036	4.53E+02	8.80E+02
HR-79Q-SB03	PL0014	4.52E+02	8.80E+02
HR-79Q-SS22	PL0037	4.50E+02	8.80E+02
HR-79Q-SS24	PL0039	4.41E+02	8.80E+02
HR-79Q-SS29	PL0049	4.40E+02	8.80E+02
HR-79Q-SS03	PL0005	4.32E+02	8.80E+02
HR-79Q-SS10	PL0018	3.50E+02	8.80E+02
HR-79Q-SS11	PL0019	3.43E+02	8.80E+02
HR-79Q-SS34	PL0056	3.35E+02	8.80E+02
HR-79Q-SS35	PL0058	3.04E+02	8.80E+02
HR-79Q-SS12	PL0020	2.97E+02	8.80E+02
HR-79Q-SB08	PL0047	2.79E+02	8.80E+02
HR-79Q-SS32	PL0052	2.79E+02	8.80E+02
HR-79Q-SS04	PL0006	2.62E+02	8.80E+02
HR-79Q-GP20	PL0091	2.55E+02	8.80E+02
HR-79Q-SS38	PL0063	2.48E+02	8.80E+02
HR-79Q-SS07	PL0012	2.20E+02	8.80E+02
HR-79Q-DEP04	PL0123	1.85E+02	8.80E+02
HR-79Q-SS28	PL0046	1.77E+02	8.80E+02
HR-79Q-MW04	PL0116	1.64E+02	8.80E+02
HR-79Q-GP09	PL0077	1.51E+02	8.80E+02
HR-79Q-SS01	PL0003	1.49E+02	8.80E+02
HR-79Q-SS19	PL0032	1.49E+02	8.80E+02
HR-79Q-SS33	PL0055	1.14E+02	8.80E+02

Table 6-78

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Subsurface Soil			
HR-79Q-MW01	PL0110	***2.30E+03***	8.80E+02
HR-79Q-SB07	PL0041	***1.04E+03***	8.80E+02
HR-79Q-SB04	PL0022	8.79E+02	8.80E+02
HR-79Q-SB01	PL0002	6.34E+02	8.80E+02
HR-79Q-SB05	PL0028	3.74E+02	8.80E+02
HR-79Q-SB02	PL0009	1.23E+02	8.80E+02

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-79

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)		2, 4-Dinitrotoluene (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil							
HR-79Q-SS20	PL0033	***1.01E+04***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS15	PL0025	***3.85E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS18	PL0031	***2.48E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB05	PL0027	***2.36E+03***	4.00E+02	8.34E+00	4.63E+01	NA	NA
HR-79Q-MW01	PL0109	***2.16E+03***	4.00E+02	7.17E+00	4.63E+01	NA	NA
HR-79Q-SB06	PL0034	***2.03E+03***	4.00E+02	5.86E+00	4.63E+01	NA	NA
HR-79Q-SS16	PL0026	***1.83E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB09	PL0053	***1.25E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS05	PL0010	***1.22E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-GP32	PL0106	***1.05E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS08	PL0013	***1.04E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS02	PL0004	***1.00E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS06	PL0011	***1.00E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS17	PL0030	***9.23E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB02	PL0007	***8.68E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-GP13	PL0082	***8.47E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB04	PL0021	***8.22E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB01	PL0001	***6.70E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS09	PL0017	***6.44E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS25	PL0042	***6.08E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS23	PL0038	***5.99E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS14	PL0024	***5.75E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-GP31	PL0105	***5.39E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS26	PL0044	***4.79E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS21	PL0036	***4.53E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB03	PL0014	***4.52E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS22	PL0037	***4.50E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS24	PL0039	***4.41E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS29	PL0049	***4.40E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS03	PL0005	***4.32E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SS10	PL0018	3.50E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS11	PL0019	3.43E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS34	PL0056	3.35E+02	4.00E+02	NA	NA	NA	NA

Table 6-79

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 23 (Parcel 79Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)		2, 4-Dinitrotoluene (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
HR-79Q-SS35	PL0058	3.04E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS12	PL0020	2.97E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SB08	PL0047	2.79E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS32	PL0052	2.79E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS04	PL0006	2.62E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-GP20	PL0091	2.55E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS38	PL0063	2.48E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS07	PL0012	2.20E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-DEP04	PL0123	1.85E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS28	PL0046	1.77E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-MW04	PL0116	1.64E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-GP09	PL0077	1.51E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS01	PL0003	1.49E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS19	PL0032	1.49E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SS33	PL0055	1.14E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-GP04	PL0071	NA	NA	NA	NA	1.00E+01	1.38E+02
HR-79Q-GP05	PL0073	NA	NA	NA	NA	1.10E+00	1.38E+02
Subsurface Soil							
HR-79Q-MW01	PL0110	***2.30E+03***	4.00E+02	4.74E+00	4.63E+01	NA	NA
HR-79Q-SB07	PL0041	***1.04E+03***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB04	PL0022	***8.79E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB01	PL0002	***6.34E+02***	4.00E+02	NA	NA	NA	NA
HR-79Q-SB05	PL0028	3.74E+02	4.00E+02	NA	NA	NA	NA
HR-79Q-SB02	PL0009	1.23E+02	4.00E+02	NA	NA	NA	NA

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-80

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-84Q-DEP01	PM0084	14-May-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-DEP02	PM0085	14-May-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-DEP03	PM0087	13-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-DEP04	PM0088	13-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-DEP05	PM0089	13-May-02	0 - 1	Lead
HR-84Q-GP01	PM0034	10-May-02	0 - 1	Lead
HR-84Q-GP02	PM0035	10-May-02	0 - 1	Lead
HR-84Q-GP03	PM0037	10-May-02	0 - 1	Lead
HR-84Q-GP04	PM0038	10-May-02	0 - 1	Lead
HR-84Q-GP05	PM0039	22-May-02	0 - 1	Lead
HR-84Q-GP06	PM0040	22-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-GP07	PM0041	8-Apr-02	0 - 1	Metals
HR-84Q-GP08	PM0043	8-Apr-02	0 - 1	Lead
HR-84Q-GP09	PM0045	22-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-GP10	PM0046	10-May-02	0 - 1	Lead
HR-84Q-GP11	PM0047	10-May-02	0 - 1	Lead
HR-84Q-GP12	PM0048	22-May-02	0 - 1	Lead
HR-84Q-GP13	PM0049	22-May-02	0 - 1	Lead
HR-84Q-GP14	PM0050	9-Apr-02	0 - 1	Metals
HR-84Q-GP15	PM0052	9-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-GP16	PM0055	21-May-02	0 - 1	Lead
HR-84Q-GP17	PM0056	21-May-02	0 - 1	Lead
HR-84Q-GP18	PM0057	21-May-02	0 - 1	Metals
HR-84Q-GP19	PM0058	21-May-02	0 - 1	Lead
HR-84Q-GP20	PM0059	22-May-02	0 - 1	Lead
HR-84Q-GP21	PM0060	21-May-02	0 - 1	Lead
HR-84Q-GP22	PM0061	21-May-02	0 - 1	Lead
HR-84Q-GP23	PM0062	21-May-02	0 - 1	Lead
HR-84Q-GP24	PM0063	22-May-02	0 - 1	Lead

Table 6-80

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-84Q-GP25	PM0064	22-May-02	0 - 1	Lead
HR-84Q-GP26	PM0065	22-May-02	0 - 1	Lead
HR-84Q-GP27	PM0066	22-May-02	0 - 1	Lead
HR-84Q-GP28	PM0067	22-May-02	0 - 1	Lead
HR-84Q-GP29	PM0069	10-May-02	0 - 1	Lead
HR-84Q-GP30	PM0070	22-May-02	0 - 1	Metals
HR-84Q-GP31	PM0071	22-May-02	0 - 1	Lead
HR-84Q-GP32	PM0072	8-Apr-02	0 - 1	Lead
HR-84Q-GP33	PM0074	22-May-02	0 - 1	Lead
HR-84Q-MW01	PM0075	8-Apr-02	0 - 1	Lead
HR-84Q-MW02	PM0077	9-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-MW03	PM0079	8-Apr-02	0 - 1	Metals
HR-84Q-MW04	PM0082	8-Apr-02	0 - 1	Lead
HR-84Q-SB01	PM0001	6-Jun-02	0 - 1	Metals
HR-84Q-SB02	PM0007	23-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-SB03	PM0014	23-May-02	0 - 1	Metals
HR-84Q-SB04	PM0021	23-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-SB05	PM0027	23-May-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-SS01	PM0003	6-Jun-02	0 - 1	Lead
HR-84Q-SS02	PM0004	7-Jun-02	0 - 1	Lead
HR-84Q-SS03	PM0005	7-Jun-02	0 - 1	Lead
HR-84Q-SS04	PM0006	6-Jun-02	0 - 1	Lead
HR-84Q-SS05	PM0010	23-May-02	0 - 1	Lead
HR-84Q-SS06	PM0011	23-May-02	0 - 1	Lead
HR-84Q-SS07	PM0012	23-May-02	0 - 1	Lead
HR-84Q-SS08	PM0013	23-May-02	0 - 1	Lead
HR-84Q-SS09	PM0017	23-May-02	0 - 1	Lead
HR-84Q-SS10	PM0018	23-May-02	0 - 1	Lead
HR-84Q-SS11	PM0019	23-May-02	0 - 1	Lead

Table 6-80

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-84Q-SS12	PM0020	23-May-02	0 - 1	Lead
HR-84Q-SS13	PM0023	24-May-02	0 - 1	Lead
HR-84Q-SS14	PM0024	24-May-02	0 - 1	Lead
HR-84Q-SS15	PM0025	24-May-02	0 - 1	Lead
HR-84Q-SS16	PM0026	24-May-02	0 - 1	Lead
HR-84Q-SS17	PM0029	24-May-02	0 - 1	Metals
HR-84Q-SS18	PM0030	24-May-02	0 - 1	Lead
HR-84Q-SS19	PM0032	24-May-02	0 - 1	Lead
HR-84Q-SS20	PM0033	24-May-02	0 - 1	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-81

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-84Q-GP07	PM0042	8-Apr-02	3 - 4	Metals
HR-84Q-GP08	PM0044	8-Apr-02	3 - 4	Lead
HR-84Q-GP14	PM0051	9-Apr-02	3 - 4	Metals
HR-84Q-GP15	PM0053	9-Apr-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-GP32	PM0073	8-Apr-02	3 - 4	Lead
HR-84Q-MW01	PM0076	8-Apr-02	3 - 4	Lead
HR-84Q-MW02	PM0078	9-Apr-02	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-MW03	PM0080	8-Apr-02	3 - 4	Metals
HR-84Q-MW04	PM0083	8-Apr-02	3 - 4	Lead
HR-84Q-SB01	PM0002	6-Jun-02	2.4 - 3.4	Lead
HR-84Q-SB02	PM0009	23-May-02	2 - 3	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-SB03	PM0015	23-May-02	3 - 4	Lead
HR-84Q-SB04	PM0022	23-May-02	2 - 3	Metals
HR-84Q-SB05	PM0028	23-May-02	2 - 3	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-82

Groundwater Samples Used in Streamlined Risk Assessment
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-84Q-MW01	PM3001	11-Jun-02	13 - 23	Metals, NITRO
HR-84Q-MW02	PM3002	12-Jun-02	7 - 22	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-84Q-MW03	PM3004	12-Jun-02	55 - 75	Metals, NITRO
HR-84Q-MW04	PM3005	11-Jun-02	16 - 31	Metals, NITRO

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-83

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals	b										
Aluminum	19 / 19	100	1.99E+03	1.73E+04	5.41E+00	6.22E+00	N	8.35E+03	9.69E+03	1.63E+04	N (c)
Antimony	4 / 17	24	5.10E+00	1.53E+01	4.24E+00	4.70E+00	NP	3.53E+00	7.09E+00	1.99E+00	Y
Arsenic	18 / 18	100	1.78E+00	8.43E+00	1.61E-01	1.86E-01	L	3.50E+00	5.22E+00	1.37E+01	N (a)
Barium	19 / 19	100	1.05E+01	9.80E+02	3.63E-01	4.18E-01	NP	1.14E+02	3.32E+02	1.24E+02	N (c)
Beryllium	13 / 19	68	4.35E-01	1.25E+00	3.61E-01	4.16E-01	NP	5.66E-01	9.28E-01	8.00E-01	N (c)
Calcium	19 / 19	100	2.34E+01	1.75E+03	1.25E+01	1.44E+01	L	4.05E+02	8.88E+02	1.72E+03	N (e)
Chromium	19 / 19	100	3.44E+00	2.52E+01	8.70E-01	1.00E+00	L	1.10E+01	1.68E+01	3.70E+01	N (a)
Cobalt	18 / 19	95	1.65E+00	2.63E+01	1.11E+00	1.27E+00	L	5.59E+00	1.13E+01	1.52E+01	N (c)
Copper	19 / 19	100	5.45E+00	1.31E+02	8.43E-01	9.70E-01	L	3.20E+01	6.20E+01	1.27E+01	Y
Iron	19 / 19	100	4.00E+03	4.58E+04	1.08E+01	1.24E+01	L	1.52E+04	2.56E+04	3.42E+04	N (c)
Lead	67 / 67	100	8.53E+00	1.01E+04	2.12E-01	2.91E-01	L	5.73E+02	NA	4.01E+01	Y
Magnesium	19 / 19	100	5.96E+01	1.01E+03	1.69E+01	1.94E+01	L	3.68E+02	6.28E+02	1.03E+03	N (e)
Manganese	19 / 19	100	1.25E+01	3.94E+03	4.18E-01	4.81E-01	NP	5.25E+02	1.39E+03	1.58E+03	N (c)
Mercury	15 / 19	79	2.86E-02	6.64E-02	2.69E-02	3.09E-02	N	3.88E-02	4.55E-02	8.00E-02	N (a)
Nickel	17 / 18	94	2.00E+00	1.62E+01	5.92E-01	6.81E-01	L	5.13E+00	9.30E+00	1.03E+01	N (c)
Potassium	18 / 18	100	1.83E+02	1.79E+03	7.69E+01	8.86E+01	L	6.58E+02	1.19E+03	8.00E+02	N (e)
Selenium	2 / 19	11	9.67E-01	1.56E+00	5.03E-01	5.79E-01	NP	3.68E-01	7.07E-01	4.80E-01	N (c)
Sodium	9 / 19	47	3.99E+01	5.39E+01	1.93E+01	2.23E+01	NP	2.72E+01	4.66E+01	6.34E+02	N (e)
Thallium	1 / 17	6	1.35E+00	1.35E+00	6.52E-01	7.17E-01	NP	3.99E-01	6.65E-01	3.43E+00	N (a)
Vanadium	19 / 19	100	5.89E+00	4.56E+01	8.45E-01	9.73E-01	L	1.75E+01	2.68E+01	5.88E+01	N (a)
Zinc	19 / 19	100	4.42E+00	5.03E+01	3.10E-01	3.56E-01	L	1.98E+01	3.14E+01	4.06E+01	N (c)
Herbicides											
2,2-Dichloropropanoic Acid	1 / 11	9	5.40E-03	5.40E-03	4.20E-03	1.20E-02	NP	3.73E-03	6.13E-03		Y
MCPP	1 / 11	9	1.30E+00	1.30E+00	1.90E-01	3.00E-01	NP	2.37E-01	7.13E-01		Y
Pesticides											
alpha-BHC	2 / 11	18	4.20E-04	1.30E-03	2.10E-04	2.30E-03	NP	3.45E-04	9.46E-04		Y
alpha-Chlordane	1 / 11	9	1.20E-02	1.20E-02	1.80E-04	1.90E-03	NP	1.18E-03	6.01E-03		Y
beta-BHC	1 / 11	9	5.30E-03	5.30E-03	2.40E-04	2.50E-03	NP	6.44E-04	2.73E-03		Y
Dieldrin	1 / 11	9	5.10E-04	5.10E-04	3.60E-04	3.70E-03	NP	3.69E-04	1.04E-03		Y
Endosulfan sulfate	1 / 11	9	4.30E-02	4.30E-02	4.30E-04	4.40E-03	NP	4.13E-03	2.15E-02		Y

Table 6-83

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Semivolatile Organic Compounds											
Acenaphthylene	1 / 11	9	8.30E-01	8.30E-01	8.10E-02	1.70E-01	NP	1.14E-01	4.34E-01		Y
Anthracene	1 / 11	9	5.20E-01	5.20E-01	6.20E-02	1.30E-01	NP	7.65E-02	2.75E-01		Y
Benzo(a)anthracene	3 / 11	27	1.20E-01	3.20E+00	5.00E-02	1.10E-01	NP	3.36E-01	1.62E+00		Y
Benzo(a)pyrene	3 / 11	27	1.00E-01	2.50E+00	5.00E-02	1.10E-01	NP	2.69E-01	1.27E+00		Y
Benzo(b)fluoranthene	3 / 11	27	1.70E-01	5.30E+00	7.00E-02	1.50E-01	NP	5.68E-01	2.69E+00		Y
Benzo(ghi)perylene	3 / 11	27	6.10E-02	1.20E+00	4.50E-02	9.50E-02	NP	1.44E-01	6.18E-01		Y
Benzo(k)fluoranthene	3 / 11	27	5.80E-02	1.90E+00	5.30E-02	1.10E-01	NP	2.15E-01	9.70E-01		Y
Chrysene	4 / 11	36	5.50E-02	3.40E+00	5.10E-02	1.10E-01	NP	3.70E-01	1.73E+00		Y
Dibenz(a,h)anthracene	1 / 11	9	3.70E-01	3.70E-01	5.00E-02	1.00E-01	NP	5.71E-02	1.97E-01		Y
Fluoranthene	4 / 11	36	1.10E-01	5.80E+00	5.90E-02	1.20E-01	NP	6.07E-01	2.93E+00		Y
Indeno(1,2,3-cd)pyrene	3 / 11	27	6.20E-02	1.30E+00	5.00E-02	1.10E-01	NP	1.56E-01	6.69E-01		Y
N-Nitrosodiphenylamine	1 / 11	9	3.90E-01	3.90E-01	5.30E-02	1.10E-01	NP	6.29E-02	2.10E-01		Y
Pentachlorophenol	1 / 11	9	8.10E-02	8.10E-02	7.40E-02	1.60E-01	NP	4.64E-02	6.92E-02		Y
Phenanthrene	1 / 11	9	7.60E-01	7.60E-01	5.50E-02	1.20E-01	NP	9.50E-02	3.92E-01		Y
Pyrene	4 / 11	36	9.10E-02	5.00E+00	5.60E-02	1.20E-01	NP	5.23E-01	2.53E+00		Y
Volatile Organic Compounds											
2-Butanone	1 / 6	17	1.90E-02	1.90E-02	2.40E-03	2.90E-03	NP	4.22E-03	1.74E-02		Y
Acetone	10 / 10	100	4.40E-02	3.10E-01	2.40E-03	2.90E-03	L	1.18E-01	2.41E-01		Y

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).

N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.

UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.

(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-84

Selection of Site-Related Chemicals for Subsurface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals											
Aluminum	7 / 7	100	5.18E+03	1.26E+04	5.55E+00	6.22E+00	N	8.88E+03	1.13E+04	1.36E+04	N (a)
Antimony	1 / 7	14	5.28E+00	5.28E+00	4.35E+00	4.87E+00	NP	2.68E+00	4.62E+00	1.31E+00	Y
Arsenic	7 / 7	100	1.55E+00	6.49E+00	1.66E-01	1.85E-01	L	3.58E+00	6.44E+00	1.83E+01	N (a)
Barium	7 / 7	100	2.84E+01	4.90E+01	3.73E-01	4.18E-01	N	4.00E+01	4.53E+01	2.34E+02	N (a)
Beryllium	4 / 7	57	3.89E-01	1.04E+00	3.71E-01	4.15E-01	L	4.32E-01	9.45E-01	8.60E-01	N (c)
Calcium	7 / 7	100	3.59E+01	6.91E+02	1.28E+01	1.44E+01	L	1.88E+02	5.74E+02	6.37E+02	N (e)
Chromium	7 / 7	100	5.14E+00	1.73E+01	8.93E-01	1.00E+00	L	1.03E+01	1.75E+01	3.83E+01	N (a)
Cobalt	6 / 7	86	1.42E+00	8.40E+00	1.13E+00	1.27E+00	L	3.58E+00	8.27E+00	1.75E+01	N (a)
Copper	7 / 7	100	3.59E+00	5.21E+01	8.65E-01	9.69E-01	L	1.82E+01	4.73E+01	1.94E+01	Y
Iron	7 / 7	100	1.03E+04	3.85E+04	1.10E+01	1.24E+01	L	2.10E+04	3.81E+04	4.48E+04	N (a)
Lead	14 / 14	100	2.72E+00	1.48E+02	2.06E-01	2.47E-01	L	2.88E+01	NA	3.85E+01	Y
Magnesium	7 / 7	100	1.52E+02	4.64E+02	1.73E+01	1.94E+01	N	3.21E+02	4.05E+02	7.66E+02	N (e)
Manganese	7 / 7	100	1.09E+01	3.85E+02	4.29E-01	4.81E-01	L	9.76E+01	3.23E+02	1.36E+03	N (a)
Mercury	7 / 7	100	2.97E-02	1.23E-01	2.76E-02	3.09E-02	L	5.86E-02	1.13E-01	7.00E-02	N (c)
Nickel	7 / 7	100	1.32E+00	5.03E+00	6.07E-01	6.80E-01	N	3.43E+00	4.58E+00	1.29E+01	N (a)
Potassium	7 / 7	100	6.11E+02	1.56E+03	7.90E+01	8.85E+01	L	9.81E+02	1.54E+03	7.11E+02	N (e)
Selenium	5 / 7	71	5.53E-01	1.35E+00	5.17E-01	5.78E-01	L	7.04E-01	1.44E+00	4.70E-01	N (c)
Sodium	5 / 7	71	4.11E+01	5.46E+01	1.98E+01	2.22E+01	NP	3.54E+01	6.57E+01	7.02E+02	N (e)
Vanadium	7 / 7	100	8.98E+00	3.68E+01	8.68E-01	9.72E-01	L	1.83E+01	3.48E+01	6.49E+01	N (a)
Zinc	7 / 7	100	4.42E+00	3.59E+01	3.18E-01	3.56E-01	L	1.80E+01	3.97E+01	3.49E+01	N (c)
Volatile Organic Compounds											
Acetone	3 / 3	100	2.00E-02	1.80E-01	2.60E-03	2.80E-03	NA	7.67E-02	NA		Y

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 2 to 4 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution; distribution is not determined for data sets containing fewer than 5 samples.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).

N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.

UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for subsurface soil.

(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

Table 6-84

Selection of Site-Related Chemicals for Subsurface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]

[e] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-85

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	1.53E+01	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	7.09E+00
Copper	1.31E+02	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	1.01E+04	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	5.73E+02
Herbicides																						
2,2-Dichloropropanoic Acid	5.40E-03	1.84E+04	N	NA	NA	4.42E+07	N	NA	NA	3.04E+03	N	NA	NA	1.48E+03	N	NA	NA	2.33E+02	N	NA	NA	
MCPP	1.30E+00	6.18E+02	N	NA	NA	NA	NA	NA	NA	1.02E+02	N	NA	NA	4.97E+01	N	NA	NA	7.77E+00	N	NA	NA	
Pesticides																						
alpha-BHC	1.30E-03	NA	NA	6.87E+00	N	NA	NA	8.53E+02	N	NA	NA	4.43E-01	N	NA	NA	5.42E+00	N	NA	NA	1.00E-01	N	
alpha-Chlordane	1.20E-02	2.84E+02	N	1.14E+02	N	7.08E+03	N	2.83E+03	N	4.74E+01	N	7.80E+00	N	2.15E+01	N	8.83E+01	N	3.79E+00	N	1.69E+00	N	
beta-BHC	5.30E-03	NA	NA	2.40E+01	N	NA	NA	2.90E+03	N	NA	NA	1.55E+00	N	NA	NA	1.89E+01	N	NA	NA	3.50E-01	N	
Dieldrin	5.10E-04	3.03E+01	N	2.65E+00	N	1.83E+03	N	1.60E+02	N	5.06E+00	N	1.74E-01	N	2.43E+00	N	2.08E+00	N	3.86E-01	N	3.88E-02	N	
Endosulfan sulfate	4.30E-02	3.69E+03	N	NA	NA	6.28E+05	N	NA	NA	6.09E+02	N	NA	NA	2.97E+02	N	NA	NA	4.66E+01	N	NA	NA	
Semivolatile Organic Compounds																						
Acenaphthylene	8.30E-01	3.64E+04	N	NA	NA	NA	NA	NA	NA	6.07E+03	N	NA	NA	2.91E+03	N	NA	NA	4.63E+02	N	NA	NA	
Anthracene	5.20E-01	1.84E+05	N	NA	NA	NA	NA	NA	NA	3.04E+04	N	NA	NA	1.48E+04	N	NA	NA	2.33E+03	N	NA	NA	
Benzo(a)anthracene	3.20E+00	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	N	NA	NA	4.62E+01	N	NA	NA	8.51E-01	Y	1.62E+00
Benzo(a)pyrene	2.50E+00	NA	NA	5.81E+00	N	NA	NA	NA	NA	NA	NA	3.85E-01	Y	NA	NA	4.62E+00	N	NA	NA	8.51E-02	Y	1.27E+00
Benzo(b)fluoranthene	5.30E+00	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	Y	NA	NA	4.62E+01	N	NA	NA	8.51E-01	Y	2.69E+00
Benzo(ghi)perylene	1.20E+00	1.82E+04	N	NA	NA	NA	NA	NA	NA	3.03E+03	N	NA	NA	1.46E+03	N	NA	NA	2.32E+02	N	NA	NA	
Benzo(k)fluoranthene	1.90E+00	NA	NA	5.81E+02	N	NA	NA	NA	NA	NA	NA	3.85E+01	N	NA	NA	4.62E+02	N	NA	NA	8.51E+00	N	
Chrysene	3.40E+00	NA	NA	5.90E+03	N	NA	NA	NA	NA	NA	NA	3.86E+02	N	NA	NA	4.71E+03	N	NA	NA	8.61E+01	N	
Dibenz(a,h)anthracene	3.70E-01	NA	NA	5.90E+00	N	NA	NA	NA	NA	NA	NA	3.86E-01	N	NA	NA	4.71E+00	N	NA	NA	8.61E-02	Y	1.97E-01
Fluoranthene	5.80E+00	2.43E+04	N	NA	NA	NA	NA	NA	NA	4.05E+03	N	NA	NA	1.94E+03	N	NA	NA	3.09E+02	N	NA	NA	
Indeno(1,2,3-cd)pyrene	1.30E+00	NA	NA	5.81E+01	N	NA	NA	NA	NA	NA	NA	3.85E+00	N	NA	NA	4.62E+01	N	NA	NA	8.51E-01	Y	6.69E-01
N-Nitrosodiphenylamine	3.90E-01	NA	NA	8.84E+03	N	NA	NA	NA	NA	NA	NA	5.81E+02	N	NA	NA	7.11E+03	N	NA	NA	1.29E+02	N	
Pentachlorophenol	8.10E-02	1.86E+04	N	3.61E+02	N	NA	NA	NA	NA	3.05E+03	N	2.37E+01	N	1.49E+03	N	2.90E+02	N	2.33E+02	N	5.25E+00	N	
Phenanthrene	7.60E-01	1.82E+05	N	NA	NA	NA	NA	NA	NA	3.03E+04	N	NA	NA	1.46E+04	N	NA	NA	2.32E+03	N	NA	NA	
Pyrene	5.00E+00	1.85E+04	N	NA	NA	NA	NA	NA	NA	3.05E+03	N	NA	NA	1.48E+03	N	NA	NA	2.33E+02	N	NA	NA	
Volatile Organic Compounds																						
2-Butanone	1.90E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
Acetone	3.10E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-86

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration [b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	5.28E+00	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	4.62E+00
Copper	5.21E+01	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	1.48E+02	4.00E+02	N	NA	NA	4.00E+02	N	NA	NA	8.80E+02	N	NA	NA	8.80E+02	N	NA	NA	4.00E+02	N	NA	NA	
Volatile Organic Compounds																						
Acetone	1.80E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 2 to 4 foot bgs.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-87

Selection of Chemicals of Potential Concern for Total Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Recreational Site User COPC			Venison COPC			Groundskeeper COPC			Construction Worker COPC			On-Site Resident COPC		
	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration
Metals															
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.09E+00	4.62E+00	7.09E+00
Lead	5.73E+02	NA	5.73E+02	5.73E+02	NA	5.73E+02	5.73E+02	NA	5.73E+02	5.73E+02	NA	5.73E+02	5.73E+02	NA	5.73E+02
Semivolatile Organic Compounds															
Benzo(a)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.62E+00	NA	1.62E+00
Benzo(a)pyrene	NA	NA	NA	NA	NA	NA	1.27E+00	NA	1.27E+00	NA	NA	NA	1.27E+00	NA	1.27E+00
Benzo(b)fluoranthene	NA	NA	NA	NA	NA	NA	2.69E+00	NA	2.69E+00	NA	NA	NA	2.69E+00	NA	2.69E+00
Dibenz(a,h)anthracene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.97E-01	NA	1.97E-01
Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.69E-01	NA	6.69E-01

COPC = Chemical of potential concern.
NA = not applicable; the source-term concentration is presented only if the chemical is selected as a COPC.
[a] Total soil is a hypothetical medium that includes all COPCs identified in surface and subsurface soil.

Table 6-88

Selection of Site-Related Chemicals for Groundwater
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Aluminum	4 / 4	100	9.06E-02	2.57E-01	5.00E-02	5.00E-02	1.87E-01	2.34E+00	N (a)
Barium	4 / 4	100	2.62E-02	5.97E-02	1.00E-03	1.00E-03	4.41E-02	1.27E-01	N (a)
Calcium	4 / 4	100	3.17E+00	5.04E+01	1.50E-01	1.50E-01	2.44E+01	5.65E+01	N (d)
Iron	4 / 4	100	9.05E-02	4.50E+00	6.00E-03	6.00E-03	2.43E+00	7.04E+00	N (a)
Magnesium	4 / 4	100	3.55E+00	7.87E+00	5.00E-02	5.00E-02	5.86E+00	2.13E+01	N (d)
Manganese	3 / 3	100	1.60E-01	2.65E-01	3.00E-03	3.00E-03	1.99E-01	5.81E-01	N (a)
Potassium	1 / 1	100	7.03E+00	7.03E+00	7.50E-01	7.50E-01	7.03E+00	7.20E+00	N (d)
Sodium	4 / 4	100	1.44E+00	4.69E+00	7.00E-02	7.00E-02	3.03E+00	1.48E+01	N (d)
Thallium	1 / 4	25	3.84E-03	3.84E-03	3.70E-03	3.70E-03	2.35E-03	1.46E-03	N (b)

NA = Not applicable; mg/L = milligrams per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for groundwater.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-89

Cancer Risk and Noncancer Hazard Estimates Across All Media
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Medium	Recreational Site User		Groundskeeper		Construction Worker		On-Site Resident	
	HI	ILCR	HI	ILCR	HI	ILCR	HI	ILCR
Surface Soil[a]	NA	NA	NE	NE	NE	NE	NE	NE
Venison Consumption	NA	NA	NE	NE	NE	NE	NE	NE
Total Soil[b]	NA	NA	NA	4.00E-06	NA	NA	2.28E-01	2.30E-05
Groundwater	NE	NE	NA	NA	NA	NA	NA	NA
Surface Water	NE	NE	NE	NE	NE	NE	NE	NE
Sediment	NE	NE	NE	NE	NE	NE	NE	NE
Total HI / ILCR: Current Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Total HI / ILCR: Future Site Use	**NA**	**NA**	**NA**	**4.00E-06**	**NA**	**NA**	**2.28E-01**	**2.30E-05**

HI = Hazard index
ILCR = Incremental lifetime cancer risk
NA = Not applicable; no chemicals of potential concern (with the possible exception of lead) were selected for this receptor in this medium.
NE = Not evaluated; the receptor is not evaluated for exposure to this medium.

[a] Current site use involves exposure to surface soil in its present condition.
[b] Future site use involves exposure to total soil, assuming that excavation and grading may be necessary for site development.

Table 6-90

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Surface Soil[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	5.73E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-91

Cancer Risk and Noncancer Hazard Estimates for Venison Consumption (Indirect Exposure to Surface Soil)[a]
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Venison Consumption HI	ILCR
Metals			
Lead	5.73E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-92

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Total Soil
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	5.73E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-93

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Total Soil
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Groundskeeper HI	ILCR
Metals			
Lead	5.73E+02	NA	NA
Semivolatile Organic Compounds			
Benzo(a)pyrene	1.27E+00	NA	3.30E-06
Benzo(b)fluoranthene	2.69E+00	NA	7.00E-07
Total HI / ILCR		**NA**	**4.00E-06**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-94

Cancer Risk and Noncancer Hazard Estimates for Construction Worker Exposed to Total Soil
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Construction Worker HI	ILCR
Metals			
Lead	5.73E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-95

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Total Soil
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Metals			
Antimony	7.09E+00	2.28E-01	NA
Lead	5.73E+02	NA	NA
Semivolatile Organic Compounds			
Benzo(a)anthracene	1.62E+00	NA	1.90E-06
Benzo(a)pyrene	1.27E+00	NA	1.49E-05
Benzo(b)fluoranthene	2.69E+00	NA	3.16E-06
Dibenz(a,h)anthracene	1.97E-01	NA	2.29E-06
Indeno(1,2,3-cd)pyrene	6.69E-01	NA	7.87E-07
Total HI / ILCR		**2.28E-01**	**2.30E-05**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-96

Recreational Site User: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-84Q-GP16	PM0055	***1.01E+04***	7.60E+03
HR-84Q-SS20	PM0033	4.89E+03	7.60E+03
HR-84Q-GP30	PM0070	3.34E+03	7.60E+03
HR-84Q-SS16	PM0026	3.33E+03	7.60E+03
HR-84Q-GP06	PM0040	1.61E+03	7.60E+03
HR-84Q-GP19	PM0058	1.22E+03	7.60E+03
HR-84Q-SS04	PM0006	1.14E+03	7.60E+03
HR-84Q-SS18	PM0030	9.84E+02	7.60E+03
HR-84Q-SS03	PM0005	9.37E+02	7.60E+03
HR-84Q-SS02	PM0004	8.69E+02	7.60E+03
HR-84Q-GP29	PM0069	8.27E+02	7.60E+03
HR-84Q-GP07	PM0041	8.15E+02	7.60E+03
HR-84Q-SB02	PM0007	8.11E+02	7.60E+03
HR-84Q-GP17	PM0056	7.64E+02	7.60E+03
HR-84Q-SS19	PM0032	6.80E+02	7.60E+03
HR-84Q-GP15	PM0052	5.57E+02	7.60E+03
HR-84Q-SB03	PM0014	4.58E+02	7.60E+03
HR-84Q-SS17	PM0029	4.41E+02	7.60E+03
HR-84Q-DEP03	PM0087	4.21E+02	7.60E+03
HR-84Q-SS12	PM0020	3.64E+02	7.60E+03
HR-84Q-SS01	PM0003	2.78E+02	7.60E+03
HR-84Q-SS08	PM0013	2.57E+02	7.60E+03
HR-84Q-GP18	PM0057	2.39E+02	7.60E+03
HR-84Q-SS05	PM0010	2.35E+02	7.60E+03
HR-84Q-SS10	PM0018	2.25E+02	7.60E+03
HR-84Q-SS11	PM0019	2.17E+02	7.60E+03
HR-84Q-GP33	PM0074	2.09E+02	7.60E+03
HR-84Q-GP09	PM0045	1.63E+02	7.60E+03
HR-84Q-GP22	PM0061	1.30E+02	7.60E+03
HR-84Q-SS07	PM0012	1.26E+02	7.60E+03
HR-84Q-SS06	PM0011	1.20E+02	7.60E+03
HR-84Q-SB01	PM0001	1.13E+02	7.60E+03
HR-84Q-SB04	PM0021	8.16E+01	7.60E+03

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-97

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-84Q-GP16	PM0055	***1.01E+04***	8.80E+02
HR-84Q-SS20	PM0033	***4.89E+03***	8.80E+02
HR-84Q-GP30	PM0070	***3.34E+03***	8.80E+02
HR-84Q-SS16	PM0026	***3.33E+03***	8.80E+02
HR-84Q-GP06	PM0040	***1.61E+03***	8.80E+02
HR-84Q-GP19	PM0058	***1.22E+03***	8.80E+02
HR-84Q-SS04	PM0006	***1.14E+03***	8.80E+02
HR-84Q-SS18	PM0030	***9.84E+02***	8.80E+02
HR-84Q-SS03	PM0005	***9.37E+02***	8.80E+02
HR-84Q-SS02	PM0004	8.69E+02	8.80E+02
HR-84Q-GP29	PM0069	8.27E+02	8.80E+02
HR-84Q-GP07	PM0041	8.15E+02	8.80E+02
HR-84Q-SB02	PM0007	8.11E+02	8.80E+02
HR-84Q-GP17	PM0056	7.64E+02	8.80E+02
HR-84Q-SS19	PM0032	6.80E+02	8.80E+02
HR-84Q-GP15	PM0052	5.57E+02	8.80E+02
HR-84Q-SB03	PM0014	4.58E+02	8.80E+02
HR-84Q-SS17	PM0029	4.41E+02	8.80E+02
HR-84Q-DEP03	PM0087	4.21E+02	8.80E+02
HR-84Q-SS12	PM0020	3.64E+02	8.80E+02
HR-84Q-SS01	PM0003	2.78E+02	8.80E+02
HR-84Q-SS08	PM0013	2.57E+02	8.80E+02
HR-84Q-GP18	PM0057	2.39E+02	8.80E+02
HR-84Q-SS05	PM0010	2.35E+02	8.80E+02
HR-84Q-SS10	PM0018	2.25E+02	8.80E+02
HR-84Q-SS11	PM0019	2.17E+02	8.80E+02
HR-84Q-GP33	PM0074	2.09E+02	8.80E+02
HR-84Q-GP09	PM0045	1.63E+02	8.80E+02
HR-84Q-GP22	PM0061	1.30E+02	8.80E+02
HR-84Q-SS07	PM0012	1.26E+02	8.80E+02
HR-84Q-SS06	PM0011	1.20E+02	8.80E+02
HR-84Q-SB01	PM0001	1.13E+02	8.80E+02
HR-84Q-SB04	PM0021	8.16E+01	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-98

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-84Q-GP16	PM0055	***1.01E+04***	8.80E+02
HR-84Q-SS20	PM0033	***4.89E+03***	8.80E+02
HR-84Q-GP30	PM0070	***3.34E+03***	8.80E+02
HR-84Q-SS16	PM0026	***3.33E+03***	8.80E+02
HR-84Q-GP06	PM0040	***1.61E+03***	8.80E+02
HR-84Q-GP19	PM0058	***1.22E+03***	8.80E+02
HR-84Q-SS04	PM0006	***1.14E+03***	8.80E+02
HR-84Q-SS18	PM0030	***9.84E+02***	8.80E+02
HR-84Q-SS03	PM0005	***9.37E+02***	8.80E+02
HR-84Q-SS02	PM0004	8.69E+02	8.80E+02
HR-84Q-GP29	PM0069	8.27E+02	8.80E+02
HR-84Q-GP07	PM0041	8.15E+02	8.80E+02
HR-84Q-SB02	PM0007	8.11E+02	8.80E+02
HR-84Q-GP17	PM0056	7.64E+02	8.80E+02
HR-84Q-SS19	PM0032	6.80E+02	8.80E+02
HR-84Q-GP15	PM0052	5.57E+02	8.80E+02
HR-84Q-SB03	PM0014	4.58E+02	8.80E+02
HR-84Q-SS17	PM0029	4.41E+02	8.80E+02
HR-84Q-DEP03	PM0087	4.21E+02	8.80E+02
HR-84Q-SS12	PM0020	3.64E+02	8.80E+02
HR-84Q-SS01	PM0003	2.78E+02	8.80E+02
HR-84Q-SS08	PM0013	2.57E+02	8.80E+02
HR-84Q-GP18	PM0057	2.39E+02	8.80E+02
HR-84Q-SS05	PM0010	2.35E+02	8.80E+02
HR-84Q-SS10	PM0018	2.25E+02	8.80E+02
HR-84Q-SS11	PM0019	2.17E+02	8.80E+02
HR-84Q-GP33	PM0074	2.09E+02	8.80E+02
HR-84Q-GP09	PM0045	1.63E+02	8.80E+02
HR-84Q-GP22	PM0061	1.30E+02	8.80E+02
HR-84Q-SS07	PM0012	1.26E+02	8.80E+02
HR-84Q-SS06	PM0011	1.20E+02	8.80E+02
HR-84Q-SB01	PM0001	1.13E+02	8.80E+02
a	PM0021	8.16E+01	8.80E+02

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-99

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 26 (Parcel 84Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil					
HR-84Q-GP16	PM0055	***1.01E+04***	4.00E+02	NA	NA
HR-84Q-SS20	PM0033	***4.89E+03***	4.00E+02	NA	NA
HR-84Q-GP30	PM0070	***3.34E+03***	4.00E+02	1.53E+01	4.63E+01
HR-84Q-SS16	PM0026	***3.33E+03***	4.00E+02	NA	NA
HR-84Q-GP06	PM0040	***1.61E+03***	4.00E+02	5.10E+00	4.63E+01
HR-84Q-GP19	PM0058	***1.22E+03***	4.00E+02	NA	NA
HR-84Q-SS04	PM0006	***1.14E+03***	4.00E+02	NA	NA
HR-84Q-SS18	PM0030	***9.84E+02***	4.00E+02	NA	NA
HR-84Q-SS03	PM0005	***9.37E+02***	4.00E+02	NA	NA
HR-84Q-SS02	PM0004	***8.69E+02***	4.00E+02	NA	NA
HR-84Q-GP29	PM0069	***8.27E+02***	4.00E+02	NA	NA
HR-84Q-GP07	PM0041	***8.15E+02***	4.00E+02	NA	NA
HR-84Q-SB02	PM0007	***8.11E+02***	4.00E+02	NA	NA
HR-84Q-GP17	PM0056	***7.64E+02***	4.00E+02	NA	NA
HR-84Q-SS19	PM0032	***6.80E+02***	4.00E+02	NA	NA
HR-84Q-GP15	PM0052	***5.57E+02***	4.00E+02	5.60E+00	4.63E+01
HR-84Q-SB03	PM0014	***4.58E+02***	4.00E+02	NA	NA
HR-84Q-SS17	PM0029	***4.41E+02***	4.00E+02	NA	NA
HR-84Q-DEP03	PM0087	***4.21E+02***	4.00E+02	NA	NA
HR-84Q-SS12	PM0020	3.64E+02	4.00E+02	NA	NA
HR-84Q-SS01	PM0003	2.78E+02	4.00E+02	NA	NA
HR-84Q-SS08	PM0013	2.57E+02	4.00E+02	NA	NA
HR-84Q-GP18	PM0057	2.39E+02	4.00E+02	NA	NA
HR-84Q-SS05	PM0010	2.35E+02	4.00E+02	NA	NA
HR-84Q-SS10	PM0018	2.25E+02	4.00E+02	NA	NA
HR-84Q-SS11	PM0019	2.17E+02	4.00E+02	NA	NA
HR-84Q-GP33	PM0074	2.09E+02	4.00E+02	NA	NA
HR-84Q-GP09	PM0045	1.63E+02	4.00E+02	NA	NA
HR-84Q-GP22	PM0061	1.30E+02	4.00E+02	NA	NA
HR-84Q-SS07	PM0012	1.26E+02	4.00E+02	NA	NA
HR-84Q-SS06	PM0011	1.20E+02	4.00E+02	NA	NA
HR-84Q-SB01	PM0001	1.13E+02	4.00E+02	5.48E+00	4.63E+01
HR-84Q-SB04	PM0021	8.16E+01	4.00E+02	NA	NA
Subsurface Soil					
HR-84Q-GP14	PM0051	NA	NA	5.28E+00	4.63E+01

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-100

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-DEP01	NN0091	9-Nov-01	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-DEP02	NN0092	8-Nov-01	0 - 0.5	Metals, NITRO
HR-83Q-DEP03	NN0093	8-Nov-01	0 - 0.5	Metals, NITRO
HR-83Q-DEP04	NN0094	8-Nov-01	0 - 0.5	Metals, NITRO
HR-83Q-DEP05	NN0095	8-Nov-01	0 - 0.5	Metals, NITRO
HR-83Q-GP01	NN0001	9-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-GP02	NN0003	22-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP03	NN0006	22-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP04	NN0008	9-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-GP05	NN0010	9-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-GP06	NN0012	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP07	NN0014	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP08	NN0016	9-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP09	NN0019	9-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP10	NN0021	24-Oct-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-GP11	NN0023	24-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP12	NN0025	24-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP13	NN0027	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP14	NN0029	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP15	NN0031	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP16	NN0033	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP17	NN0035	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP18	NN0037	9-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-GP19	NN0040	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP20	NN0042	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP21	NN0044	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP22	NN0046	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP23	NN0049	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP24	NN0051	23-Oct-01	0 - 1	Metals, NITRO

Table 6-100

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-GP25	NN0053	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP26	NN0055	24-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP27	NN0057	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP28	NN0059	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP29	NN0062	9-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-83Q-GP30	NN0064	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP31	NN0066	7-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP32	NN0068	30-Nov-01	0 - 1	Metals, NITRO
HR-83Q-GP33	NN0070	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP34	NN0073	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP35	NN0075	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-GP36	NN0078	23-Oct-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP37	NN0080	9-Nov-01	0 - 1	Metals, NITRO
HR-83Q-MW01	NN0082	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-MW02	NN0084	23-Oct-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-MW03	NN0086	23-Oct-01	0 - 1	Metals, NITRO
HR-83Q-MW04	NN0089	7-Nov-01	0 - 1	Metals, NITRO
HR-118Q-DEP01	NP0028	8-Nov-01	0 - 0.5	Metals, NITRO
HR-118Q-DEP02	NP0029	8-Nov-01	0 - 0.5	Metals, NITRO
HR-118Q-DEP03	NP0030	8-Nov-01	0 - 0.5	Metals, NITRO
HR-118Q-DEP04	NP0031	8-Nov-01	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-118Q-GP01	NP0001	29-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-118Q-GP02	NP0003	30-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP03	NP0005	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP04	NP0007	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP05	NP0009	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP06	NP0012	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP07	NP0014	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP08	NP0016	29-Nov-01	0 - 1	Metals, NITRO

Table 6-100

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-118Q-GP09	NP0018	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP10	NP0021	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-GP11	NP0023	29-Nov-01	0 - 1	Metals, NITRO
HR-118Q-MW01	NP0026	29-Nov-01	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-101

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-GP01	NN0002	9-Nov-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP02	NN0004	22-Oct-01	2 - 3	Metals, NITRO
HR-83Q-GP03	NN0007	22-Oct-01	2 - 3	Metals, NITRO
HR-83Q-GP04	NN0009	9-Nov-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP05	NN0011	9-Nov-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP06	NN0013	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP07	NN0015	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP08	NN0017	9-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP09	NN0020	9-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP10	NN0022	24-Oct-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP11	NN0024	24-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP12	NN0026	24-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP13	NN0028	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP14	NN0030	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP15	NN0032	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP16	NN0034	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP17	NN0036	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP18	NN0039	9-Nov-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP19	NN0041	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP20	NN0043	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP21	NN0045	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP22	NN0047	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP23	NN0050	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP24	NN0052	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP25	NN0054	7-Nov-01	3 - 4	Metals, NITRO
HR-83Q-GP26	NN0056	24-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP27	NN0058	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP28	NN0061	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP29	NN0063	9-Nov-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP30	NN0065	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP31	NN0067	7-Nov-01	3 - 4	Metals, NITRO

Table 6-101

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-GP32	NN0069	30-Nov-01	2 - 2.5	Metals, NITRO
HR-83Q-GP33	NN0071	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP34	NN0074	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP35	NN0076	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-GP36	NN0079	23-Oct-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-GP37	NN0081	9-Nov-01	3 - 4	Metals, NITRO
HR-83Q-MW01	NN0083	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-MW02	NN0085	23-Oct-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-MW03	NN0088	23-Oct-01	3 - 4	Metals, NITRO
HR-83Q-MW04	NN0090	7-Nov-01	3 - 4	Metals, NITRO
HR-118Q-GP01	NP0002	29-Nov-01	3 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-118Q-GP02	NP0004	30-Nov-01	3 - 4	Metals, NITRO
HR-118Q-GP03	NP0006	29-Nov-01	2.5 - 3	Metals, NITRO
HR-118Q-GP04	NP0008	29-Nov-01	3 - 4	Metals, NITRO
HR-118Q-GP05	NP0011	29-Nov-01	1 - 1.5	Metals, NITRO
HR-118Q-GP06	NP0013	29-Nov-01	3 - 4	Metals, NITRO
HR-118Q-GP07	NP0015	29-Nov-01	3 - 3.5	Metals, NITRO
HR-118Q-GP08	NP0017	29-Nov-01	3 - 4	Metals, NITRO
HR-118Q-GP09	NP0020	29-Nov-01	2 - 3	Metals, NITRO
HR-118Q-GP10	NP0022	29-Nov-01	2 - 2.5	Metals, NITRO
HR-118Q-GP11	NP0024	29-Nov-01	1 - 1.5	Metals, NITRO
HR-118Q-MW01	NP0027	29-Nov-01	2 - 2.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-102

Surface Water Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-SW/SD01	NN2001	8-Nov-01	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-103

Sediment Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-SW/SD01	NN1001	8-Nov-01	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, TOC, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
SVOCs = Semivolatile organic compounds
TOC = Total organic carbon
VOCs = Volatile organic compounds

Table 6-104

Groundwater Samples Used in Streamlined Risk Assessment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Fort McClellan, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-83Q-MW01	NN3001	20-May-02	12 - 17	Metals, NITRO
HR-83Q-MW02	NN3002	13-Feb-02	9 - 24	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-83Q-MW03	NN3004	13-Feb-02	7 - 17	Metals, NITRO
HR-83Q-MW04	NN3005	17-May-02	15 - 25	Metals, NITRO
HR-118Q-MW01	NP3001	12-Feb-02	33 - 48	CL HERB, CL PEST, Metals, NITRO, OP PEST, SVOCs, VOCs
HR-118Q-MW02	NP3002	11-Feb-02	40.9 - 60.9	Metals, NITRO

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-105

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals											
Aluminum	62 / 62	100	5.52E+03	3.43E+04	5.22E+00	6.41E+00	N	1.92E+04	2.06E+04	1.63E+04	N (c)
Antimony	9 / 62	15	4.53E+00	2.07E+01	4.09E+00	5.02E+00	L	3.21E+00	4.96E+00	1.99E+00	Y
Arsenic	62 / 62	100	2.45E+00	3.69E+01	1.56E-01	1.91E-01	L	8.71E+00	1.21E+01	1.37E+01	N (c)
Barium	62 / 62	100	5.38E+01	4.57E+02	3.51E-01	4.31E-01	L	1.34E+02	1.76E+02	1.24E+02	N (c)
Beryllium	57 / 57	100	4.55E-01	2.36E+00	3.49E-01	4.28E-01	L	1.00E+00	1.28E+00	8.00E-01	N (c)
Calcium	62 / 62	100	7.81E+01	6.94E+03	1.21E+01	1.48E+01	L	1.02E+03	1.66E+03	1.72E+03	N (e)
Chromium	62 / 62	100	8.24E+00	1.01E+02	8.40E-01	1.03E+00	L	2.48E+01	3.23E+01	3.70E+01	N (c)
Cobalt	62 / 62	100	3.11E+00	5.41E+01	1.07E+00	1.31E+00	L	1.42E+01	2.02E+01	1.52E+01	N (c)
Copper	62 / 62	100	7.09E+00	2.28E+03	8.14E-01	9.99E-01	L	7.99E+01	2.49E+02	1.27E+01	Y
Iron	62 / 62	100	8.22E+03	7.21E+04	1.04E+01	1.27E+01	L	2.70E+04	3.46E+04	3.42E+04	N (c)
Lead	62 / 62	100	7.13E+00	2.26E+04	2.08E-01	2.55E-01	L	6.34E+02	NA	4.01E+01	Y
Magnesium	62 / 62	100	4.20E+02	2.96E+03	1.63E+01	2.00E+01	L	1.16E+03	1.44E+03	1.03E+03	N (e)
Manganese	62 / 62	100	7.05E+01	4.80E+03	4.04E-01	4.96E-01	L	9.24E+02	1.47E+03	1.58E+03	N (c)
Mercury	13 / 54	24	2.90E-02	6.70E-02	2.60E-02	3.18E-02	L	2.05E-02	2.79E-02	8.00E-02	N (a)
Nickel	62 / 62	100	4.41E+00	2.77E+01	5.71E-01	7.01E-01	L	1.42E+01	1.75E+01	1.03E+01	N (c)
Potassium	62 / 62	100	5.25E+02	3.64E+03	7.43E+01	9.12E+01	L	1.50E+03	1.94E+03	8.00E+02	N (e)
Selenium	32 / 62	52	5.37E-01	2.27E+00	4.86E-01	5.96E-01	L	6.45E-01	9.12E-01	4.80E-01	N (c)
Silver	20 / 62	32	1.32E+00	4.72E+00	1.14E+00	1.39E+00	L	1.16E+00	1.68E+00	3.60E-01	N (c)
Sodium	54 / 58	93	2.45E+01	1.07E+02	1.87E+01	2.29E+01	N	4.84E+01	5.21E+01	6.34E+02	N (e)
Vanadium	62 / 62	100	1.37E+01	1.31E+02	8.16E-01	1.00E+00	L	3.89E+01	4.96E+01	5.88E+01	N (b)
Zinc	62 / 62	100	1.67E+01	2.21E+02	2.99E-01	3.67E-01	L	4.64E+01	6.23E+01	4.06E+01	Y
Herbicides											
2,4-D	1 / 12	8	7.10E-03	7.10E-03	3.90E-03	5.90E-03	NP	2.58E-03	4.45E-03		Y
2,4-DB	2 / 12	17	2.00E-02	2.10E-02	6.20E-03	9.10E-03	NP	6.58E-03	1.50E-02		Y
Dinoseb	1 / 12	8	7.60E-03	7.60E-03	1.80E-03	2.50E-03	NP	1.65E-03	4.07E-03		Y
Pesticides											
4,4'-DDT	3 / 12	25	8.70E-04	5.70E-03	5.30E-04	7.80E-03	NP	1.43E-03	3.72E-03		Y
Aldrin	1 / 12	8	7.40E-04	7.40E-04	5.00E-04	5.90E-03	NP	6.37E-04	1.66E-03		Y
beta-BHC	1 / 12	8	4.60E-04	4.60E-04	2.50E-04	4.60E-03	NP	4.51E-04	1.27E-03		Y
Dimethoate	1 / 12	8	2.20E-03	2.20E-03	1.50E-03	7.80E-02	L	6.82E-03	2.05E-02		Y
Disulfoton	1 / 12	8	4.30E-03	4.30E-03	2.10E-03	1.10E-01	L	9.00E-03	2.85E-02		Y
Endrin aldehyde	1 / 12	8	1.00E-03	1.00E-03	3.50E-04	4.10E-03	NP	4.81E-04	1.23E-03		Y
Famphur	1 / 12	8	3.60E-03	3.60E-03	2.50E-03	1.30E-01	L	1.07E-02	3.37E-02		Y
Heptachlor	1 / 12	8	2.50E-03	2.50E-03	2.30E-04	2.80E-03	NP	4.76E-04	1.43E-03		Y
Methyl Parathion	1 / 12	8	5.20E-03	5.20E-03	2.50E-03	1.30E-01	L	1.06E-02	3.36E-02		Y
Parathion	1 / 12	8	3.30E-03	3.30E-03	2.60E-03	1.30E-01	L	1.07E-02	3.38E-02		Y
Thionazin	1 / 12	8	4.60E-03	4.60E-03	2.60E-03	1.30E-01	L	1.09E-02	3.39E-02		Y
Volatile Organic Compounds											
2-Butanone	10 / 12	83	6.20E-03	3.70E-02	2.40E-03	3.20E-03	N	1.49E-02	2.05E-02		Y
2-Hexanone	1 / 12	8	3.60E-03	3.60E-03	1.70E-03	2.20E-03	NP	1.20E-03	2.18E-03		Y

Table 6-105

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
4-Methyl-2-pentanone	3 / 12	25	2.30E-03	5.30E-03	1.40E-03	1.90E-03	NP	1.66E-03	3.81E-03		Y
Acetone	10 / 11	91	4.60E-02	3.10E-01	2.40E-03	1.40E-01	N	1.74E-01	2.25E-01		Y
p-Cymene	1 / 12	8	1.20E-03	1.20E-03	2.20E-04	2.90E-04	NP	2.16E-04	6.16E-04		Y
Trichlorofluoromethane	1 / 11	9	2.30E-03	2.30E-03	2.30E-04	3.10E-04	NP	3.33E-04	1.21E-03		Y

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
- N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
- N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
- N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
- N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
- N (e) = essential nutrient.

Table 6-106

Selection of Site-Related Chemicals for Subsurface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals											
Aluminum	53 / 53	100	9.48E+03	6.62E+04	5.34E+00	6.67E+00	L	2.82E+04	3.54E+04	1.36E+04	N (c)
Antimony	2 / 53	4	4.78E+00	7.15E+00	4.19E+00	5.23E+00	L	2.43E+00	2.89E+00	1.31E+00	Y
Arsenic	53 / 53	100	2.17E+00	2.72E+01	1.59E-01	1.99E-01	L	9.46E+00	1.28E+01	1.83E+01	N (c)
Barium	53 / 53	100	5.36E+01	3.38E+02	3.59E-01	4.48E-01	L	1.48E+02	1.89E+02	2.34E+02	N (c)
Beryllium	50 / 51	98	3.89E-01	3.19E+00	3.57E-01	4.46E-01	L	1.24E+00	1.64E+00	8.60E-01	N (c)
Calcium	53 / 53	100	6.26E+01	3.33E+03	1.23E+01	1.54E+01	L	9.69E+02	1.52E+03	6.37E+02	N (e)
Chromium	53 / 53	100	1.07E+01	9.23E+01	8.60E-01	1.07E+00	L	2.90E+01	3.81E+01	3.83E+01	N (c)
Cobalt	52 / 53	98	2.46E+00	5.54E+01	1.09E+00	1.36E+00	L	1.33E+01	2.03E+01	1.75E+01	N (c)
Copper	53 / 53	100	8.33E+00	7.52E+01	8.33E-01	1.04E+00	L	2.62E+01	3.62E+01	1.94E+01	Y
Iron	53 / 53	100	1.34E+04	6.86E+04	1.06E+01	1.33E+01	L	3.27E+04	4.05E+04	4.48E+04	N (c)
Lead	53 / 53	100	6.54E+00	2.54E+02	2.13E-01	2.65E-01	L	3.60E+01	NA	3.85E+01	Y
Magnesium	53 / 53	100	4.80E+02	4.79E+03	1.67E+01	2.08E+01	L	1.61E+03	2.10E+03	7.66E+02	N (e)
Manganese	53 / 53	100	1.47E+01	4.69E+03	4.13E-01	5.16E-01	L	6.25E+02	1.14E+03	1.36E+03	N (c)
Mercury	24 / 46	52	3.00E-02	4.99E-01	2.66E-02	3.32E-02	NP	4.71E-02	9.69E-02	7.00E-02	Y
Nickel	53 / 53	100	5.67E+00	7.67E+01	5.84E-01	7.29E-01	L	2.25E+01	3.07E+01	1.29E+01	N (c)
Potassium	53 / 53	100	5.34E+02	5.99E+03	7.60E+01	9.49E+01	L	2.27E+03	3.06E+03	7.11E+02	N (e)
Selenium	31 / 53	58	5.51E-01	2.75E+00	4.97E-01	6.21E-01	L	7.20E-01	1.05E+00	4.70E-01	N (c)
Silver	22 / 53	42	1.25E+00	4.29E+00	1.16E+00	1.45E+00	L	1.16E+00	1.64E+00	2.40E-01	N (c)
Sodium	50 / 53	94	2.05E+01	1.97E+02	1.91E+01	2.38E+01	L	6.50E+01	8.62E+01	7.02E+02	N (e)
Vanadium	53 / 53	100	1.54E+01	1.09E+02	8.35E-01	1.04E+00	L	4.65E+01	5.82E+01	6.49E+01	N (c)
Zinc	53 / 53	100	1.98E+01	1.72E+02	3.06E-01	3.82E-01	L	5.60E+01	7.25E+01	3.49E+01	N (c)
Pesticides											
beta-BHC	2 / 10	20	1.00E-03	2.40E-03	2.60E-04	4.60E-04	NP	4.98E-04	1.51E-03		Y
Volatile Organic Compounds											
2-Butanone	6 / 10	60	2.80E-03	4.30E-02	2.40E-03	4.10E-03	L	8.93E-03	2.71E-02		Y
Acetone	9 / 9	100	1.20E-02	2.80E-01	2.40E-03	4.10E-03	L	9.29E-02	2.24E-01		Y

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 1 to 4 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution; distribution is not determined for data sets containing fewer than 5 samples.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).

N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.

UCL is not estimated for lead.

Table 6-106

Selection of Site-Related Chemicals for Subsurface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for subsurface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-107

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	2.07E+01	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	Y	NA	NA	3.11E+00	Y	NA	NA	4.96E+00
Copper	2.28E+03	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	Y	NA	NA	3.13E+02	Y	NA	NA	2.49E+02
Lead	2.26E+04	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	6.34E+02
Zinc	2.21E+02	1.88E+05	N	NA	NA	5.99E+03	N	NA	NA	3.06E+04	N	NA	NA	1.52E+04	N	NA	NA	2.34E+03	N	NA	NA	
Herbicides																						
2,4-D	7.10E-03	6.19E+03	N	NA	NA	NA	NA	NA	NA	1.02E+03	N	NA	NA	4.98E+02	N	NA	NA	7.77E+01	N	NA	NA	
2,4-DB	2.10E-02	4.95E+03	N	NA	NA	NA	NA	NA	NA	8.13E+02	N	NA	NA	3.98E+02	N	NA	NA	6.22E+01	N	NA	NA	
Dinoseb	7.60E-03	6.19E+04	N	NA	NA	3.33E+07	N	NA	NA	1.02E+04	N	NA	NA	4.98E+03	N	NA	NA	7.77E+02	N	NA	NA	
Pesticides																						
4,4'-DDT	5.70E-03	2.95E+02	N	1.22E+02	N	3.19E+03	N	1.31E+03	N	5.02E+01	N	8.11E+00	N	2.35E+01	N	9.50E+01	N	3.83E+00	N	1.79E+00	N	
Aldrin	7.40E-04	1.82E+01	N	2.50E+00	N	4.96E+03	N	6.81E+02	N	3.03E+00	N	1.63E-01	N	1.46E+00	N	1.96E+00	N	2.32E-01	N	3.65E-02	N	
beta-BHC	4.60E-04	NA	NA	2.40E+01	N	NA	NA	2.90E+03	N	NA	NA	1.55E+00	N	NA	NA	1.89E+01	N	NA	NA	3.50E-01	N	
Dimethoate	2.20E-03	1.24E+02	N	NA	NA	2.89E+05	N	NA	NA	2.03E+01	N	NA	NA	9.96E+00	N	NA	NA	1.55E+00	N	NA	NA	
Disulfoton	4.30E-03	2.47E+01	N	NA	NA	2.48E+03	N	NA	NA	4.07E+00	N	NA	NA	1.99E+00	N	NA	NA	3.11E-01	N	NA	NA	
Endrin aldehyde	1.00E-03	1.82E+01	N	NA	NA	4.00E+02	N	NA	NA	3.03E+00	N	NA	NA	1.46E+00	N	NA	NA	2.32E-01	N	NA	NA	
Famphur	3.60E-03	1.54E+01	N	NA	NA	8.40E+03	N	NA	NA	2.54E+00	N	NA	NA	1.24E+00	N	NA	NA	1.94E-01	N	NA	NA	
Heptachlor	2.50E-03	3.08E+02	N	9.58E+00	N	2.43E+04	N	7.56E+02	N	5.08E+01	N	6.20E-01	N	2.48E+01	N	7.56E+00	N	3.88E+00	N	1.40E-01	N	
Methyl Parathion	5.20E-03	1.54E+02	N	NA	NA	4.78E+04	N	NA	NA	2.54E+01	N	NA	NA	1.24E+01	N	NA	NA	1.94E+00	N	NA	NA	
Parathion	3.30E-03	3.70E+03	N	NA	NA	4.47E+05	N	NA	NA	6.10E+02	N	NA	NA	2.98E+02	N	NA	NA	4.66E+01	N	NA	NA	
Thionazin	4.60E-03	5.56E+01	N	NA	NA	NA	NA	NA	NA	9.14E+00	N	NA	NA	4.47E+00	N	NA	NA	6.99E-01	N	NA	NA	
Volatile Organic Compounds	0.00E+00																					
2-Butanone	3.70E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
2-Hexanone	3.60E-03	2.47E+04	N	NA	NA	NA	NA	NA	NA	2.59E+03	N	NA	NA	1.28E+03	N	NA	NA	3.11E+02	N	NA	NA	
4-Methyl-2-pentanone	5.30E-03	4.94E+04	N	NA	NA	NA	NA	NA	NA	7.53E+03	N	NA	NA	3.69E+03	N	NA	NA	6.21E+02	N	NA	NA	
Acetone	3.10E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	
p-Cymene	1.20E-03	1.23E+05	N	NA	NA	NA	NA	NA	NA	2.03E+04	N	NA	NA	9.93E+03	N	NA	NA	1.55E+03	N	NA	NA	
Trichlorofluoromethane	2.30E-03	1.85E+05	N	NA	NA	NA	NA	NA	NA	2.96E+04	N	NA	NA	1.44E+04	N	NA	NA	2.33E+03	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-108

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration [b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	7.15E+00	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	2.89E+00
Copper	7.52E+01	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	2.54E+02	4.00E+02	N	NA	NA	4.00E+02	N	NA	NA	8.80E+02	N	NA	NA	8.80E+02	N	NA	NA	4.00E+02	N	NA	NA	
Mercury	4.99E-01	1.84E+02	N	NA	NA	4.00E+00	N	NA	NA	2.85E+01	N	NA	NA	1.38E+01	N	NA	NA	2.33E+00	N	NA	NA	
Pesticides																						
beta-BHC	2.40E-03	NA	NA	2.40E+01	N	NA	NA	2.90E+03	N	NA	NA	1.55E+00	N	NA	NA	1.89E+01	N	NA	NA	3.50E-01	N	
Volatile Organic Compounds																						
2-Butanone	4.30E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
Acetone	2.80E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 1 to 4 foot below ground surface.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-109

Selection of Chemicals of Potential Concern for Total Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Recreational Site User COPC			Venison COPC			Groundskeeper COPC			Construction Worker COPC			On-Site Resident COPC		
	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration
Metals															
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.96E+00	NA	4.96E+00	4.96E+00	2.89E+00	4.96E+00
Copper	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.49E+02	NA	2.49E+02	2.49E+02	NA	2.49E+02
Lead	6.34E+02	NA	6.34E+02	6.34E+02	NA	6.34E+02	6.34E+02	NA	6.34E+02	6.34E+02	NA	6.34E+02	6.34E+02	NA	6.34E+02

COPC = Chemical of potential concern.
NA = not applicable; the source-term concentration is presented only if the chemical is selected as a COPC.
[a] Total soil is a hypothetical medium that includes all COPCs identified in surface and subsurface soil.

Table 6-110

Selection of Site-Related Chemicals for Surface Water
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Barium	1 / 1	100	7.29E-02	7.29E-02	1.00E-03	1.00E-03	7.29E-02	7.54E-02	N (a)
Calcium	1 / 1	100	8.44E+01	8.44E+01	1.50E-01	1.50E-01	8.44E+01	2.52E+01	N (d)
Magnesium	1 / 1	100	7.73E+00	7.73E+00	5.00E-02	5.00E-02	7.73E+00	1.10E+01	N (d)
Sodium	1 / 1	100	1.08E+00	1.08E+00	7.00E-02	7.00E-02	1.08E+00	3.44E+00	N (d)

mg/L = milligrams per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface water.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-111

Selection of Site-Related Chemicals for Sediment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/kg)	Background Screening Criterion[a] (mg/kg)	Site-Related?[b]
Metals									
Aluminum	1 / 1	100	8.70E+03	8.70E+03	6.42E+00	6.42E+00	8.70E+03	8.59E+03	N (c)
Antimony	1 / 1	100	5.98E+00	5.98E+00	5.03E+00	5.03E+00	5.98E+00	7.30E-01	N (c)
Arsenic	1 / 1	100	1.12E+01	1.12E+01	1.92E-01	1.92E-01	1.12E+01	1.13E+01	N (a)
Barium	1 / 1	100	7.27E+01	7.27E+01	4.32E-01	4.32E-01	7.27E+01	9.89E+01	N (a)
Beryllium	1 / 1	100	1.10E+00	1.10E+00	4.29E-01	4.29E-01	1.10E+00	9.70E-01	N (c)
Calcium	1 / 1	100	1.31E+04	1.31E+04	1.48E+01	1.48E+01	1.31E+04	1.11E+03	N (d)
Chromium	1 / 1	100	1.36E+02	1.36E+02	1.03E+00	1.03E+00	1.36E+02	3.12E+01	N (c)
Cobalt	1 / 1	100	9.97E+00	9.97E+00	1.31E+00	1.31E+00	9.97E+00	1.10E+01	N (a)
Copper	1 / 1	100	1.23E+01	1.23E+01	1.00E+00	1.00E+00	1.23E+01	1.71E+01	N (a)
Iron	1 / 1	100	5.72E+04	5.72E+04	1.28E+01	1.28E+01	5.72E+04	3.53E+04	N (c)
Lead	1 / 1	100	2.00E+01	2.00E+01	2.55E-01	2.55E-01	2.00E+01	3.78E+01	N (a)
Magnesium	1 / 1	100	6.76E+03	6.76E+03	2.01E+01	2.01E+01	6.76E+03	9.06E+02	N (d)
Manganese	1 / 1	100	6.66E+02	6.66E+02	4.97E-01	4.97E-01	6.66E+02	7.12E+02	N (a)
Nickel	1 / 1	100	1.31E+01	1.31E+01	7.02E-01	7.02E-01	1.31E+01	1.30E+01	N (c)
Potassium	1 / 1	100	6.25E+02	6.25E+02	9.14E+01	9.14E+01	6.25E+02	1.01E+03	N (d)
Silver	1 / 1	100	4.69E+00	4.69E+00	1.40E+00	1.40E+00	4.69E+00	3.20E-01	N (c)
Sodium	1 / 1	100	2.79E+01	2.79E+01	2.30E+01	2.30E+01	2.79E+01	6.92E+02	N (d)
Vanadium	1 / 1	100	2.60E+01	2.60E+01	1.00E+00	1.00E+00	2.60E+01	4.09E+01	N (a)
Zinc	1 / 1	100	4.12E+01	4.12E+01	3.68E-01	3.68E-01	4.12E+01	5.27E+01	N (a)
Volatile Organic Compounds									
2-Butanone	1 / 1	100	1.30E-02	1.30E-02	3.40E-03	3.40E-03	1.30E-02		Y
Acetone	1 / 1	100	2.30E-01	2.30E-01	3.40E-03	3.40E-03	2.30E-01		Y
Toluene	1 / 1	100	1.30E-03	1.30E-03	6.70E-04	6.70E-04	1.30E-03		Y

NA = Not applicable; mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for sediment.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-112

Selection of Chemicals of Potential Concern for Sediment
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg)								Source-Term Concentration [b] (mg/kg)
		Recreational Site User				On-Site Resident[a]				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Volatile Organic Compounds										
2-Butanone	1.30E-02	6.23E+05	N	NA	NA	6.23E+05	N	NA	NA	
Acetone	2.30E-01	1.03E+05	N	NA	NA	1.03E+05	N	NA	NA	
Toluene	1.30E-03	2.11E+05	N	NA	NA	2.11E+05	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).

COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.

N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.

[a] The resident is evaluated using the recreational site-user SSSLs.

[b] The maximum detected concentration is selected as the source-term concentration.

Table 6-113

Selection of Site-Related Chemicals for Groundwater
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Aluminum	4 / 6	67	7.76E-02	1.23E+00	5.00E-02	5.00E-02	2.68E-01	2.34E+00	N (a)
Arsenic	1 / 6	17	2.59E-03	2.59E-03	1.70E-03	1.70E-03	1.14E-03	1.78E-02	N (a)
Barium	6 / 6	100	2.67E-02	5.97E-02	1.00E-03	1.00E-03	4.11E-02	1.27E-01	N (a)
Calcium	6 / 6	100	5.62E+01	1.15E+02	1.50E-01	1.50E-01	7.06E+01	5.65E+01	N (d)
Iron	6 / 6	100	1.80E-02	3.63E-01	6.00E-03	6.00E-03	1.25E-01	7.04E+00	N (a)
Magnesium	3 / 3	100	3.34E+00	7.42E+00	5.00E-02	5.00E-02	5.29E+00	2.13E+01	N (d)
Manganese	5 / 6	83	3.03E-03	3.66E-01	3.00E-03	3.00E-03	8.99E-02	5.81E-01	N (a)
Potassium	3 / 4	75	9.45E-01	2.66E+00	7.50E-01	7.50E-01	1.39E+00	7.20E+00	N (d)
Sodium	3 / 3	100	1.76E+00	4.02E+00	7.00E-02	7.00E-02	2.68E+00	1.48E+01	N (d)
Pesticides									
4,4'-DDD	1 / 2	50	8.90E-05	8.90E-05	3.20E-05	3.30E-05	5.25E-05		Y
4,4'-DDT	1 / 2	50	7.70E-05	7.70E-05	1.90E-05	1.90E-05	4.33E-05		Y
alpha-Chlordane	1 / 2	50	3.80E-05	3.80E-05	5.00E-06	5.10E-06	2.03E-05		Y
beta-BHC	1 / 2	50	9.10E-05	9.10E-05	1.30E-05	1.30E-05	4.88E-05		Y
Endosulfan I	1 / 2	50	7.80E-05	7.80E-05	8.00E-06	2.50E-05	4.10E-05		Y
Endrin	1 / 2	50	5.40E-05	5.40E-05	1.00E-05	1.00E-05	2.95E-05		Y
Heptachlor	1 / 2	50	1.20E-04	1.20E-04	8.00E-06	8.20E-06	6.20E-05		Y
Nitroaromatics									
2,4-Dinitrotoluene	1 / 6	17	1.10E-03	1.10E-03	1.40E-04	1.40E-04	2.42E-04		Y
2,6-Dinitrotoluene	1 / 6	17	3.70E-04	3.70E-04	1.90E-04	1.90E-04	1.41E-04		Y
2-Nitrotoluene	1 / 6	17	3.20E-04	3.20E-04	1.80E-04	1.80E-04	1.28E-04		Y
3-Nitrotoluene	1 / 6	17	6.50E-04	6.50E-04	2.90E-04	2.90E-04	2.29E-04		Y

NA = Not applicable; mg/L = milligrams per liter

N = Chemical is determined not to be site-related ; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for groundwater.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-114

Selection of Chemicals of Potential Concern for Groundwater
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/L)	Applicable SSSL (mg/L)												Source-Term Concentration [a] (mg/L)
		Groundskeeper				Construction Worker				On-Site Resident				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Pesticides														
4,4'-DDD	8.90E-05	NA	NA	5.24E-04	N	NA	NA	1.31E-02	N	NA	NA	1.83E-04	N	
4,4'-DDT	7.70E-05	1.73E-03	N	2.84E-04	N	1.73E-03	N	7.11E-03	N	4.61E-04	N	1.09E-04	N	
alpha-Chlordane	3.80E-05	4.14E-03	N	6.62E-04	N	4.14E-03	N	1.65E-02	N	7.22E-04	N	1.75E-04	N	
beta-BHC	9.10E-05	NA	NA	1.48E-04	N	NA	NA	3.69E-03	N	NA	NA	3.61E-05	Y	9.10E-05
Endosulfan I	7.80E-05	6.07E-02	N	NA	NA	6.07E-02	N	NA	NA	9.35E-03	N	NA	NA	
Endrin	5.40E-05	2.71E-03	N	NA	NA	2.71E-03	N	NA	NA	4.48E-04	N	NA	NA	
Heptachlor	1.20E-04	4.85E-03	N	6.03E-05	Y	4.85E-03	N	1.51E-03	N	7.67E-04	N	1.46E-05	Y	1.20E-04
Nitroaromatics														
2,4-Dinitrotoluene	1.10E-03	2.01E-02	N	4.14E-04	Y	2.01E-02	N	1.04E-02	N	3.11E-03	N	9.79E-05	Y	1.10E-03
2,6-Dinitrotoluene	3.70E-04	1.01E-02	N	4.17E-04	N	1.01E-02	N	1.04E-02	N	1.56E-03	N	9.81E-05	Y	3.70E-04
2-Nitrotoluene	3.20E-04	9.69E-02	N	NA	NA	9.69E-02	N	NA	NA	1.53E-02	N	NA	NA	
3-Nitrotoluene	6.50E-04	1.95E-01	N	NA	NA	1.95E-01	N	NA	NA	3.08E-02	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/L = milligrams per liter
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] The maximum detected concentration is selected as the source-term concentration.

Table 6-115

Cancer Risk and Noncancer Hazard Estimates Across All Media
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Medium	Recreational Site User		Groundskeeper		Construction Worker		On-Site Resident	
	HI	ILCR	HI	ILCR	HI	ILCR	HI	ILCR
Surface Soil[a]	NA	NA	NE	NE	NE	NE	NE	NE
Venison Consumption	NA	NA	NE	NE	NE	NE	NE	NE
Total Soil[b]	NA	NA	NA	NA	3.71E-02	NA	2.39E-01	NA
Groundwater	NE	NE	NA	4.64E-06	NA	NA	NA	2.58E-05
Surface Water	NA	NA	NE	NE	NE	NE	NA	NA
Sediment	NA	NA	NE	NE	NE	NE	NA	NA
Total HI / ILCR: Current Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Total HI / ILCR: Future Site Use	**NA**	**NA**	**NA**	**4.64E-06**	**3.71E-02**	**NA**	**2.39E-01**	**2.58E-05**

HI = Hazard index
ILCR = Incremental lifetime cancer risk
NA = Not applicable; no chemicals of potential concern (with the possible exception of lead) were selected for this receptor in this medium.
NE = Not evaluated; the receptor is not evaluated for exposure to this medium.

[a] Current site use involves exposure to surface soil in its present condition.
[b] Future site use involves exposure to total soil, assuming that excavation and grading may be necessary for site development.

Table 6-116

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Surface Soil[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	6.34E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-117

Cancer Risk and Noncancer Hazard Estimates for Venison Consumption (Indirect Exposure to Surface Soil)[a]
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Venison Consumption HI	ILCR
Metals			
Lead	6.34E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-118

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Total Soil
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	6.34E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-119

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Total Soil
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk	
		Groundskeeper	
		HI	ILCR
Metals			
Lead	6.34E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-120

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Groundwater
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/L)	Total Noncancer Hazard / Cancer Risk Groundskeeper HI	ILCR
Pesticides			
Heptachlor	1.20E-04	NA	1.99E-06
Nitroaromatics			
2,4-Dinitrotoluene	1.10E-03	NA	2.65E-06
Total HI / ILCR		**NA**	**4.64E-06**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/L = milligrams per liter
NA = Not applicable

Table 6-121

Cancer Risk and Noncancer Hazard Estimates for Construction Worker Exposed to Total Soil
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Construction Worker HI	ILCR
Metals			
Antimony	4.96E+00	2.49E-02	NA
Copper	2.49E+02	1.22E-02	NA
Lead	6.34E+02	NA	NA
Total HI / ILCR		**3.71E-02**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-122

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Total Soil
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Metals			
Antimony	4.96E+00	1.60E-01	NA
Copper	2.49E+02	7.96E-02	NA
Lead	6.34E+02	NA	NA
Total HI / ILCR		**2.39E-01**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-123

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Groundwater
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/L)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Pesticides			
beta-BHC	9.10E-05	NA	2.52E-06
Heptachlor	1.20E-04	NA	8.24E-06
Nitroaromatics			
2,4-Dinitrotoluene	1.10E-03	NA	1.12E-05
2,6-Dinitrotoluene	3.70E-04	NA	3.77E-06
Total HI / ILCR		**NA**	**2.58E-05**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/L = milligrams per liter
NA = Not applicable

Table 6-124

Recreational Site User: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-118Q-GP10	NP0021	***2.26E+04***	7.60E+03
HR-118Q-DEP01	NP0028	4.95E+03	7.60E+03
HR-118Q-GP06	NP0012	2.38E+03	7.60E+03
HR-118Q-GP01	NP0001	1.47E+03	7.60E+03
HR-118Q-GP07	NP0014	1.47E+03	7.60E+03
HR-118Q-GP08	NP0016	1.35E+03	7.60E+03
HR-83Q-GP33	NN0070	1.24E+03	7.60E+03
HR-118Q-GP11	NP0023	8.17E+02	7.60E+03
HR-118Q-GP03	NP0005	4.26E+02	7.60E+03
HR-118Q-MW01	NP0026	2.59E+02	7.60E+03
HR-118Q-GP05	NP0009	2.14E+02	7.60E+03
HR-83Q-GP31	NN0066	1.84E+02	7.60E+03
HR-83Q-GP35	NN0075	1.81E+02	7.60E+03
HR-83Q-GP16	NN0033	1.48E+02	7.60E+03
HR-83Q-GP10	NN0021	1.42E+02	7.60E+03
HR-83Q-GP36	NN0078	1.42E+02	7.60E+03
HR-118Q-GP09	NP0018	1.28E+02	7.60E+03
HR-83Q-GP34	NN0073	1.13E+02	7.60E+03

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-125

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-118Q-GP10	NP0021	***2.26E+04***	8.80E+02
HR-118Q-DEP01	NP0028	***4.95E+03***	8.80E+02
HR-118Q-GP06	NP0012	***2.38E+03***	8.80E+02
HR-118Q-GP01	NP0001	***1.47E+03***	8.80E+02
HR-118Q-GP07	NP0014	***1.47E+03***	8.80E+02
HR-118Q-GP08	NP0016	***1.35E+03***	8.80E+02
HR-83Q-GP33	NN0070	***1.24E+03***	8.80E+02
HR-118Q-GP11	NP0023	8.17E+02	8.80E+02
HR-118Q-GP03	NP0005	4.26E+02	8.80E+02
HR-118Q-MW01	NP0026	2.59E+02	8.80E+02
HR-118Q-GP05	NP0009	2.14E+02	8.80E+02
HR-83Q-GP31	NN0066	1.84E+02	8.80E+02
HR-83Q-GP35	NN0075	1.81E+02	8.80E+02
HR-83Q-GP16	NN0033	1.48E+02	8.80E+02
HR-83Q-GP10	NN0021	1.42E+02	8.80E+02
HR-83Q-GP36	NN0078	1.42E+02	8.80E+02
HR-118Q-GP09	NP0018	1.28E+02	8.80E+02
HR-83Q-GP34	NN0073	1.13E+02	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-126

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)		Copper (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil							
HR-118Q-GP10	NP0021	***2.26E+04***	8.80E+02	NA	NA	NA	NA
HR-118Q-DEP01	NP0028	***4.95E+03***	8.80E+02	8.78E+00	2.96E+02	2.28E+03	3.04E+04
HR-118Q-GP06	NP0012	***2.38E+03***	8.80E+02	1.52E+01	2.96E+02	5.22E+02	3.04E+04
HR-118Q-GP01	NP0001	***1.47E+03***	8.80E+02	5.86E+00	2.96E+02	1.17E+02	3.04E+04
HR-118Q-GP07	NP0014	***1.47E+03***	8.80E+02	NA	NA	4.62E+02	3.04E+04
HR-118Q-GP08	NP0016	***1.35E+03***	8.80E+02	NA	NA	9.79E+01	3.04E+04
HR-83Q-GP33	NN0070	***1.24E+03***	8.80E+02	4.82E+00	2.96E+02	1.42E+02	3.04E+04
HR-118Q-GP11	NP0023	8.17E+02	8.80E+02	NA	NA	1.52E+02	3.04E+04
HR-118Q-GP03	NP0005	4.26E+02	8.80E+02	NA	NA	6.41E+01	3.04E+04
HR-118Q-MW01	NP0026	2.59E+02	8.80E+02	NA	NA	8.27E+01	3.04E+04
HR-118Q-GP05	NP0009	2.14E+02	8.80E+02	NA	NA	4.11E+01	3.04E+04
HR-83Q-GP31	NN0066	1.84E+02	8.80E+02	NA	NA	NA	NA
HR-83Q-GP35	NN0075	1.81E+02	8.80E+02	NA	NA	NA	NA
HR-83Q-GP16	NN0033	1.48E+02	8.80E+02	NA	NA	4.16E+01	3.04E+04
HR-83Q-GP10	NN0021	1.42E+02	8.80E+02	1.12E+01	2.96E+02	1.63E+01	3.04E+04
HR-83Q-GP36	NN0078	1.42E+02	8.80E+02	NA	NA	NA	NA
HR-118Q-GP09	NP0018	1.28E+02	8.80E+02	NA	NA	NA	NA
HR-83Q-GP34	NN0073	1.13E+02	8.80E+02	NA	NA	NA	NA
HR-83Q-GP15	NN0031	NA	NA	2.07E+01	2.96E+02	NA	NA
HR-83Q-DEP05	NN0095	NA	NA	6.33E+00	2.96E+02	NA	NA
HR-83Q-GP14	NN0029	NA	NA	4.89E+00	2.96E+02	NA	NA
HR-83Q-GP21	NN0044	NA	NA	4.53E+00	2.96E+02	NA	NA

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-127

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Range 25 (Parcels 83Q/118Q-X)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)		Copper (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil							
HR-118Q-GP10	NP0021	***2.26E+04***	4.00E+02	NA	NA	NA	NA
HR-118Q-DEP01	NP0028	***4.95E+03***	4.00E+02	8.78E+00	4.63E+01	2.28E+03	4.67E+03
HR-118Q-GP06	NP0012	***2.38E+03***	4.00E+02	1.52E+01	4.63E+01	5.22E+02	4.67E+03
HR-118Q-GP01	NP0001	***1.47E+03***	4.00E+02	5.86E+00	4.63E+01	1.17E+02	4.67E+03
HR-118Q-GP07	NP0014	***1.47E+03***	4.00E+02	NA	NA	4.62E+02	4.67E+03
HR-118Q-GP08	NP0016	***1.35E+03***	4.00E+02	NA	NA	9.79E+01	4.67E+03
HR-83Q-GP33	NN0070	***1.24E+03***	4.00E+02	4.82E+00	4.63E+01	1.42E+02	4.67E+03
HR-118Q-GP11	NP0023	***8.17E+02***	4.00E+02	NA	NA	1.52E+02	4.67E+03
HR-118Q-GP03	NP0005	***4.26E+02***	4.00E+02	NA	NA	6.41E+01	4.67E+03
HR-118Q-MW01	NP0026	2.59E+02	4.00E+02	NA	NA	8.27E+01	4.67E+03
HR-118Q-GP05	NP0009	2.14E+02	4.00E+02	NA	NA	4.11E+01	4.67E+03
HR-83Q-GP31	NN0066	1.84E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP35	NN0075	1.81E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP16	NN0033	1.48E+02	4.00E+02	NA	NA	4.16E+01	4.67E+03
HR-83Q-GP10	NN0021	1.42E+02	4.00E+02	1.12E+01	4.63E+01	1.63E+01	4.67E+03
HR-83Q-GP36	NN0078	1.42E+02	4.00E+02	NA	NA	NA	NA
HR-118Q-GP09	NP0018	1.28E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP34	NN0073	1.13E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP15	NN0031	NA	NA	2.07E+01	4.63E+01	NA	NA
HR-83Q-DEP05	NN0095	NA	NA	6.33E+00	4.63E+01	NA	NA
HR-83Q-GP14	NN0029	NA	NA	4.89E+00	4.63E+01	NA	NA
HR-83Q-GP21	NN0044	NA	NA	4.53E+00	4.63E+01	NA	NA
Subsurface Soil							
HR-118Q-GP03	NP0006	2.54E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP33	NN0071	2.12E+02	4.00E+02	NA	NA	NA	NA
HR-118Q-GP11	NP0024	1.77E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP34	NN0074	1.14E+02	4.00E+02	NA	NA	NA	NA
HR-83Q-GP15	NN0032	NA	NA	7.15E+00	4.63E+01	NA	NA
HR-83Q-MW01	NN0083	NA	NA	4.78E+00	4.63E+01	NA	NA

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-128

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-223Q-DEP01	PN0021	14-Mar-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP01	PN0001	11-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP02	PN0004	10-Jun-02	0 - 1	Lead
HR-223Q-GP03	PN0005	11-Apr-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP04	PN0007	10-Jun-02	0 - 1	Lead
HR-223Q-GP05	PN0008	10-Jun-02	0 - 1	Lead
HR-223Q-GP06	PN0009	6-Jun-02	0 - 1	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP07	PN0011	10-Jun-02	0 - 1	Lead
HR-223Q-GP08	PN0012	10-Jun-02	0 - 1	Metals
HR-223Q-GP09	PN0014	10-Jun-02	0 - 1	Lead
HR-223Q-GP10	PN0016	10-Jun-02	0 - 1	Lead
HR-223Q-GP11	PN0017	10-Jun-02	0 - 1	Lead
HR-223Q-GP12	PN0018	10-Jun-02	0 - 1	Lead
HR-223Q-GP13	PN0020	10-Jun-02	0 - 1	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-129

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-223Q-GP01	PN0002	11-Apr-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP03	PN0006	11-Apr-02	2 - 4	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP06	PN0010	6-Jun-02	1 - 1.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs
HR-223Q-GP08	PN0013	10-Jun-02	3 - 4	Metals
HR-223Q-GP12	PN0019	10-Jun-02	2 - 4	Lead

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-130

Surface Water Samples Used in Streamlined Risk Assessment
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-223Q-SW/SD01	PN2001	14-Mar-02	0 - 0	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
VOCs = Volatile organic compounds

Table 6-131

Sediment Samples Used in Streamlined Risk Assessment
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-223Q-SW/SD01	PN1001	14-Mar-02	0 - 0.5	CL HERB, CL PEST, Metals, NITRO, OP PEST, PCBs, SVOCs, TOC, VOCs

CL HERB = Chlorinated herbicides
CL PEST = Organochlorine pesticides
ft = feet
NITRO = Nitroaromatic compounds
OP PEST = Organophosphate pesticides
PCBs = Polychlorinated biphenyls
SVOCs = Semivolatile organic compounds
TOC = Total organic carbon
VOCs = Volatile organic compounds

Table 6-132

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals											
Aluminum	5 / 5	100	2.90E+03	9.44E+03	5.43E+00	5.71E+00	N	6.27E+03	9.08E+03	1.63E+04	N (a)
Arsenic	5 / 5	100	1.06E+00	3.71E+00	1.62E-01	1.70E-01	L	2.09E+00	4.10E+00	1.37E+01	N (a)
Barium	5 / 5	100	3.83E+01	3.06E+02	3.65E-01	3.84E-01	N	1.65E+02	2.79E+02	1.24E+02	N (c)
Beryllium	1 / 5	20	1.16E+00	1.16E+00	3.63E-01	3.81E-01	NP	3.82E-01	1.25E+00	8.00E-01	N (c)
Calcium	5 / 5	100	4.77E+01	1.29E+04	1.25E+01	1.32E+01	L	4.13E+03	1.55E+04	1.72E+03	N (e)
Chromium	5 / 5	100	3.46E+00	1.53E+01	8.74E-01	9.18E-01	N	8.87E+00	1.33E+01	3.70E+01	N (a)
Cobalt	5 / 5	100	3.54E+00	2.68E+01	1.11E+00	1.17E+00	NP	8.90E+00	2.89E+01	1.52E+01	N (c)
Copper	5 / 5	100	2.89E+00	1.26E+01	8.47E-01	8.90E-01	L	6.03E+00	1.38E+01	1.27E+01	N (a)
Iron	5 / 5	100	5.89E+03	1.76E+04	1.08E+01	1.14E+01	L	9.78E+03	1.92E+04	3.42E+04	N (a)
Lead	14 / 14	100	8.46E+00	4.20E+01	2.09E-01	2.27E-01	L	2.03E+01	NA	4.01E+01	N (c)
Magnesium	5 / 5	100	2.98E+02	7.60E+03	1.70E+01	1.78E+01	L	2.86E+03	8.88E+03	1.03E+03	N (e)
Manganese	5 / 5	100	3.74E+01	1.12E+03	4.20E-01	4.42E-01	N	6.91E+02	1.18E+03	1.58E+03	N (a)
Mercury	3 / 5	60	2.88E-02	4.84E-02	2.70E-02	2.84E-02	N	2.86E-02	4.30E-02	8.00E-02	N (a)
Nickel	5 / 5	100	1.71E+00	1.27E+01	5.94E-01	6.24E-01	L	5.29E+00	1.41E+01	1.03E+01	N (c)
Potassium	5 / 5	100	5.81E+02	2.46E+03	7.73E+01	8.12E+01	L	1.24E+03	2.66E+03	8.00E+02	N (e)
Sodium	5 / 5	100	5.39E+01	1.41E+02	1.94E+01	2.04E+01	NP	7.70E+01	1.49E+02	6.34E+02	N (e)
Vanadium	5 / 5	100	9.17E+00	1.49E+01	8.49E-01	8.92E-01	L	1.12E+01	1.60E+01	5.88E+01	N (a)
Zinc	5 / 5	100	5.52E+00	2.82E+01	3.11E-01	3.27E-01	L	1.50E+01	3.30E+01	4.06E+01	N (a)
Pesticides											
Heptachlor	1 / 4	25	5.90E-04	5.90E-04	2.50E-04	3.50E-04	NA	2.54E-04	NA		Y
Volatile Organic Compounds											
Acetone	4 / 4	100	3.20E-02	2.20E-01	2.30E-03	3.00E-03	NA	1.51E-01	NA		Y
Toluene	1 / 4	25	1.50E-03	1.50E-03	4.50E-04	5.90E-04	NA	5.70E-04	NA		Y

mg/kg = milligrams per kilogram
N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution; distribution is not determined for data sets containing fewer than 5 samples.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-133

Selection of Site-Related Chemicals for Subsurface Soil[a]
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/kg)	Background Screening Criterion[b] (mg/kg)	Site-Related?[c]
Metals									
Aluminum	4 / 4	100	6.04E+03	1.92E+04	5.64E+00	6.25E+00	1.26E+04	1.36E+04	N (c)
Arsenic	4 / 4	100	9.86E-01	3.02E+00	1.68E-01	1.87E-01	1.96E+00	1.83E+01	N (a)
Barium	4 / 4	100	5.68E+01	1.46E+02	3.79E-01	4.20E-01	9.96E+01	2.34E+02	N (a)
Beryllium	4 / 4	100	6.07E-01	1.79E+00	3.77E-01	4.18E-01	9.50E-01	8.60E-01	N (c)
Calcium	4 / 4	100	4.02E+01	7.57E+03	1.30E+01	1.44E+01	2.09E+03	6.37E+02	N (e)
Chromium	4 / 4	100	9.43E+00	3.00E+01	9.08E-01	1.01E+00	1.81E+01	3.83E+01	N (a)
Cobalt	4 / 4	100	5.20E+00	1.35E+01	1.15E+00	1.28E+00	7.99E+00	1.75E+01	N (a)
Copper	4 / 4	100	6.37E+00	1.05E+01	8.80E-01	9.75E-01	8.67E+00	1.94E+01	N (a)
Iron	4 / 4	100	1.20E+04	2.74E+04	1.12E+01	1.24E+01	1.97E+04	4.48E+04	N (a)
Lead	5 / 5	100	9.70E+00	4.06E+01	2.24E-01	2.49E-01	1.69E+01	3.85E+01	N (c)
Magnesium	4 / 4	100	3.41E+02	4.64E+03	1.76E+01	1.95E+01	2.82E+03	7.66E+02	N (e)
Manganese	4 / 4	100	4.30E+01	6.14E+02	4.37E-01	4.84E-01	2.96E+02	1.36E+03	N (a)
Mercury	1 / 4	25	5.20E-02	5.20E-02	2.81E-02	3.11E-02	2.40E-02	7.00E-02	N (a)
Nickel	4 / 4	100	4.51E+00	2.39E+01	6.17E-01	6.84E-01	1.26E+01	1.29E+01	N (c)
Potassium	4 / 4	100	1.30E+03	7.06E+03	8.03E+01	8.90E+01	3.44E+03	7.11E+02	N (e)
Sodium	4 / 4	100	5.41E+01	8.82E+01	2.02E+01	2.24E+01	7.00E+01	7.02E+02	N (e)
Thallium	1 / 4	25	8.43E-01	8.43E-01	6.80E-01	7.54E-01	4.69E-01	1.40E+00	N (a)
Vanadium	4 / 4	100	1.09E+01	1.85E+01	8.82E-01	9.78E-01	1.55E+01	6.49E+01	N (a)
Zinc	4 / 4	100	1.34E+01	6.43E+01	3.23E-01	3.58E-01	2.94E+01	3.49E+01	N (c)
Pesticides									
gamma-BHC (Lindane)	1 / 3	33	4.20E-03	4.20E-03	2.00E-04	3.00E-04	1.50E-03		Y
Volatile Organic Compounds									
2-Butanone	1 / 3	33	3.00E-02	3.00E-02	2.30E-03	3.10E-03	1.08E-02		Y
Acetone	3 / 3	100	2.10E-02	2.30E-01	2.30E-03	3.10E-03	1.27E-01		Y
p-Cymene	1 / 3	33	3.30E-03	3.30E-03	2.10E-04	2.80E-04	1.17E-03		Y

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 1 to 4 foot below ground surface.

[b] Background screening criterion for inorganic constituents is 2 times the mean background concentration for subsurface soil. *(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan*, Anniston, Alabama, July).

[c] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-134

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration [b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Pesticides																						
Heptachlor	5.90E-04	3.08E+02	N	9.58E+00	N	2.43E+04	N	7.56E+02	N	5.08E+01	N	6.20E-01	N	2.48E+01	N	7.56E+00	N	3.88E+00	N	1.40E-01	N	
Volatile Organic Compounds																						
Acetone	2.20E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	
Toluene	1.50E-03	1.24E+05	N	NA	NA	NA	NA	NA	NA	1.96E+04	N	NA	NA	9.62E+03	N	NA	NA	1.55E+03	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-135

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Pesticides																						
gamma-BHC (Lindane)	4.20E-03	1.86E+02	N	3.33E+01	N	2.49E+04	N	4.47E+03	N	3.05E+01	N	2.19E+00	N	1.49E+01	N	2.68E+01	N	2.33E+00	N	4.85E-01	N	
Volatile Organic Compounds																						
2-Butanone	3.00E-02	3.70E+05	N	NA	NA	NA	NA	NA	NA	5.86E+04	N	NA	NA	2.86E+04	N	NA	NA	4.66E+03	N	NA	NA	
Acetone	2.30E-01	6.16E+04	N	NA	NA	NA	NA	NA	NA	1.02E+04	N	NA	NA	4.95E+03	N	NA	NA	7.76E+02	N	NA	NA	
p-Cymene	3.30E-03	1.23E+05	N	NA	NA	NA	NA	NA	NA	2.03E+04	N	NA	NA	9.93E+03	N	NA	NA	1.55E+03	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 1 to 4 foot below ground surface.
[b] The maximum detected concentration is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-136

Selection of Site-Related Chemicals for Surface Water
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Aluminum	1 / 1	100	1.05E-01	1.05E-01	5.00E-02	5.00E-02	1.05E-01	5.26E+00	N (a)
Barium	1 / 1	100	2.67E-02	2.67E-02	1.00E-03	1.00E-03	2.67E-02	7.54E-02	N (a)
Calcium	1 / 1	100	6.24E+00	6.24E+00	1.50E-01	1.50E-01	6.24E+00	2.52E+01	N (d)
Iron	1 / 1	100	5.27E-02	5.27E-02	6.00E-03	6.00E-03	5.27E-02	1.96E+01	N (a)
Magnesium	1 / 1	100	1.28E+00	1.28E+00	5.00E-02	5.00E-02	1.28E+00	1.10E+01	N (d)
Potassium	1 / 1	100	1.69E+00	1.69E+00	7.50E-01	7.50E-01	1.69E+00	2.56E+00	N (d)
Sodium	1 / 1	100	1.14E+00	1.14E+00	7.00E-02	7.00E-02	1.14E+00	3.44E+00	N (d)

NA = Not applicable; mg/L = milligrams per liter

N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface water. *(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan*, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-137

Selection of Site-Related Chemicals for Sediment
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/kg)	Background Screening Criterion[a] (mg/kg)	Site-Related?[b]
Metals									
Aluminum	1 / 1	100	4.17E+03	4.17E+03	6.10E+00	6.10E+00	4.17E+03	8.59E+03	N (a)
Arsenic	1 / 1	100	2.01E+00	2.01E+00	1.82E-01	1.82E-01	2.01E+00	1.13E+01	N (a)
Barium	1 / 1	100	4.47E+01	4.47E+01	4.10E-01	4.10E-01	4.47E+01	9.89E+01	N (a)
Beryllium	1 / 1	100	5.42E-01	5.42E-01	4.07E-01	4.07E-01	5.42E-01	9.70E-01	N (a)
Calcium	1 / 1	100	3.55E+03	3.55E+03	1.41E+01	1.41E+01	3.55E+03	1.11E+03	N (d)
Chromium	1 / 1	100	1.06E+01	1.06E+01	9.81E-01	9.81E-01	1.06E+01	3.12E+01	N (a)
Cobalt	1 / 1	100	5.33E+00	5.33E+00	1.25E+00	1.25E+00	5.33E+00	1.10E+01	N (a)
Copper	1 / 1	100	1.06E+01	1.06E+01	9.50E-01	9.50E-01	1.06E+01	1.71E+01	N (a)
Iron	1 / 1	100	1.53E+04	1.53E+04	1.21E+01	1.21E+01	1.53E+04	3.53E+04	N (a)
Lead	1 / 1	100	1.71E+01	1.71E+01	2.42E-01	2.42E-01	1.71E+01	3.78E+01	N (a)
Magnesium	1 / 1	100	2.15E+03	2.15E+03	1.90E+01	1.90E+01	2.15E+03	9.06E+02	N (d)
Manganese	1 / 1	100	3.19E+02	3.19E+02	4.72E-01	4.72E-01	3.19E+02	7.12E+02	N (a)
Nickel	1 / 1	100	5.55E+00	5.55E+00	6.67E-01	6.67E-01	5.55E+00	1.30E+01	N (a)
Potassium	1 / 1	100	8.65E+02	8.65E+02	8.67E+01	8.67E+01	8.65E+02	1.01E+03	N (d)
Sodium	1 / 1	100	1.46E+02	1.46E+02	2.18E+01	2.18E+01	1.46E+02	6.92E+02	N (d)
Vanadium	1 / 1	100	8.14E+00	8.14E+00	9.53E-01	9.53E-01	8.14E+00	4.09E+01	N (a)
Zinc	1 / 1	100	2.06E+01	2.06E+01	3.49E-01	3.49E-01	2.06E+01	5.27E+01	N (a)
Pesticides									
gamma-Chlordane	1 / 1	100	4.20E-03	4.20E-03	2.30E-04	2.30E-04	4.20E-03		Y
Volatile Organic Compounds									
Acetone	1 / 1	100	1.20E-01	1.20E-01	2.80E-03	2.80E-03	1.20E-01		Y

NA = Not applicable; mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for sediment.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-138

Selection of Chemicals of Potential Concern for Sediment
BBGR Ranges 25E/28 (Parcels 223Q/86Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg)								Source-Term Concentration [b] (mg/kg)
		Recreational Site User				On-Site Resident[a]				
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Pesticides										
gamma-Chlordane	4.20E-03	3.38E+02	N	1.35E+02	N	3.38E+02	N	1.35E+02	N	
Volatile Organic Compounds										
Acetone	1.20E-01	1.03E+05	N	NA	NA	1.03E+05	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC ; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] The resident is evaluated using the recreational site-user SSSLs.
[b] The maximum detected concentration is selected as the source-term concentration.

Table 6-139

Surface Soil Samples Used in Streamlined Risk Assessment
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-224Q-GP06	QE0012	17-Jul-01	0 - 1	Metals, NITRO
HR-224Q-MW03	QE0018	17-Jul-01	0 - 1	Metals, NITRO
HR-224Q-MW04	QE0020	17-Jul-01	0 - 1	Metals, NITRO
HR-226Q-DEP02	MR0038	22-Aug-01	0 - 0.5	Metals, NITRO
HR-226Q-DEP03	MR0039	21-Aug-01	0 - 0.5	Metals, NITRO
HR-226Q-DEP04	MR0041	21-Aug-01	0 - 0.5	Metals, NITRO
HR-226Q-GP05	MR0009	19-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP07	MR0014	19-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP08	MR0016	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP09	MR0018	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP10	MR0020	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP11	MR0022	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP12	MR0023	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-GP13	MR0024	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-MW02	MR0027	16-Jul-01	0 - 1	Metals, NITRO
HR-226Q-MW03	MR0029	18-Jul-01	0 - 1	Metals, NITRO

ft = feet
NITRO = Nitroaromatic compounds

Table 6-140

Subsurface Soil Samples Used in Streamlined Risk Assessment
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-224Q-GP06	QE0013	17-Jul-01	7 8	Metals, NITRO
HR-224Q-MW03	QE0019	17-Jul-01	11 12	Metals, NITRO
HR-224Q-MW04	QE0021	17-Jul-01	11 12	Metals, NITRO
HR-226Q-GP05	MR0010	19-Jul-01	5 6	Metals, NITRO
HR-226Q-GP07	MR0015	19-Jul-01	11 12	Metals, NITRO
HR-226Q-GP08	MR0017	16-Jul-01	11 12	Metals, NITRO
HR-226Q-GP09	MR0019	16-Jul-01	11 12	Metals, NITRO
HR-226Q-GP10	MR0021	16-Jul-01	10 11	Metals, NITRO
HR-226Q-MW02	MR0028	16-Jul-01	11 12	Metals, NITRO
HR-226Q-MW03	MR0031	18-Jul-01	5 6	Metals, NITRO

ft = feet
NITRO = Nitroaromatic compounds

Table 6-141

Groundwater Samples Used in Streamlined Risk Assessment
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Location	Sample Number	Sample Date	Depth of sample (ft)	Chemical Analyses Performed
HR-224Q-MW03	QE3003	9-Aug-01	5.5 - 20.5	Metals, NITRO
HR-224Q-MW04	QE3004	9-Aug-01	19.5 - 29.5	Metals, NITRO
HR-226Q-MW02	MR3002	20-Aug-01	15 - 30	Metals, NITRO

ft = feet
NITRO = Nitroaromatic compounds

Table 6-142

Selection of Site-Related Chemicals for Surface Soil[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals											
Aluminum	16 / 16	100	4.16E+03	1.62E+04	2.93E+00	3.20E+00	L	9.16E+03	1.32E+04	1.63E+04	N (a)
Antimony	9 / 16	56	4.03E+00	7.34E+00	3.67E+00	4.00E+00	NP	4.06E+00	6.42E+00	1.99E+00	Y
Arsenic	16 / 16	100	2.64E+00	1.92E+01	2.25E-01	2.46E-01	NP	5.81E+00	1.05E+01	1.37E+01	N (c)
Barium	16 / 16	100	2.76E+01	1.44E+03	3.76E-02	4.11E-02	NP	1.71E+02	5.55E+02	1.24E+02	N (c)
Beryllium	7 / 7	100	6.78E-01	1.84E+00	1.24E-02	1.29E-02	N	1.17E+00	1.51E+00	8.00E-01	N (c)
Calcium	15 / 15	100	2.72E+02	1.16E+04	4.65E+00	5.08E+00	NP	1.51E+03	4.84E+03	1.72E+03	N (e)
Chromium	16 / 16	100	6.86E+00	4.63E+01	4.14E-01	4.52E-01	L	2.12E+01	3.46E+01	3.70E+01	N (c)
Cobalt	16 / 16	100	3.53E+00	1.40E+02	3.38E-01	3.69E-01	NP	1.66E+01	5.35E+01	1.52E+01	N (c)
Copper	16 / 16	100	1.75E+01	2.87E+02	7.17E-01	7.83E-01	L	9.57E+01	1.94E+02	1.27E+01	Y
Iron	16 / 16	100	1.17E+04	4.83E+04	2.10E+00	2.29E+00	NP	2.28E+04	3.47E+04	3.42E+04	N (c)
Lead	16 / 16	100	1.64E+01	2.63E+03	1.82E-01	1.99E-01	L	8.96E+02	NA	4.01E+01	Y
Magnesium	16 / 16	100	1.91E+02	6.81E+03	4.49E+00	4.90E+00	NP	8.31E+02	2.65E+03	1.03E+03	N (e)
Manganese	16 / 16	100	9.28E+01	6.12E+03	6.34E-02	6.93E-02	L	1.01E+03	2.82E+03	1.58E+03	N (c)
Mercury	10 / 16	63	3.10E-02	8.60E-02	2.67E-02	2.91E-02	NP	4.18E-02	7.04E-02	8.00E-02	N (c)
Nickel	16 / 16	100	4.61E+00	2.32E+01	8.66E-01	9.45E-01	L	1.05E+01	1.59E+01	1.03E+01	N (c)
Potassium	15 / 15	100	4.12E+02	1.82E+03	1.19E+02	1.25E+02	L	7.66E+02	1.20E+03	8.00E+02	N (e)
Selenium	3 / 16	19	4.48E-01	5.67E-01	4.14E-01	4.52E-01	NP	2.71E-01	3.97E-01	4.80E-01	N (c)
Sodium	4 / 9	44	2.95E+01	4.12E+01	2.08E+01	2.27E+01	NP	2.14E+01	4.07E+01	6.34E+02	N (e)
Thallium	3 / 16	19	8.40E-01	3.99E+00	5.82E-01	6.36E-01	NP	6.20E-01	1.66E+00	3.43E+00	N (b)
Vanadium	16 / 16	100	1.30E+01	4.55E+01	3.85E-01	4.20E-01	L	2.07E+01	3.04E+01	5.88E+01	N (a)
Zinc	16 / 16	100	1.56E+01	5.35E+01	3.87E-01	4.23E-01	L	2.92E+01	4.10E+01	4.06E+01	N (c)

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for surface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-143

Selection of Site-Related Chemicals for Subsurface Soil[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/kg) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Statistical Distribution[b]	Arithmetic Mean (mg/kg)	95% UCL[c] (mg/kg)	Background Screening Criterion[d] (mg/kg)	Site-Related?[e]
Metals											
Aluminum	10 / 10	100	4.55E+03	1.99E+04	2.88E+00	3.54E+00	N	1.23E+04	1.50E+04	1.36E+04	N (c)
Antimony	2 / 10	20	3.83E+00	5.35E+00	3.60E+00	4.43E+00	NP	2.52E+00	4.15E+00	1.31E+00	Y
Arsenic	10 / 10	100	1.40E+00	1.99E+01	2.21E-01	2.72E-01	L	9.67E+00	1.86E+01	1.83E+01	N (c)
Barium	10 / 10	100	3.30E+01	1.13E+02	3.69E-02	4.54E-02	N	7.37E+01	8.98E+01	2.34E+02	N (a)
Beryllium	8 / 8	100	4.60E-01	4.35E+00	1.24E-02	1.44E-02	L	1.68E+00	3.61E+00	8.60E-01	Y
Calcium	10 / 10	100	2.79E+02	3.61E+03	4.56E+00	5.61E+00	L	1.45E+03	3.02E+03	6.37E+02	N (e)
Chromium	10 / 10	100	7.92E+00	2.50E+01	4.06E-01	4.99E-01	N	1.80E+01	2.08E+01	3.83E+01	N (a)
Cobalt	10 / 10	100	3.03E+00	2.41E+01	3.32E-01	4.08E-01	N	1.38E+01	1.77E+01	1.75E+01	N (c)
Copper	10 / 10	100	7.63E+00	3.69E+01	7.04E-01	8.66E-01	L	2.08E+01	3.37E+01	1.94E+01	N (c)
Iron	10 / 10	100	1.08E+04	5.12E+04	2.06E+00	2.54E+00	N	3.16E+04	3.77E+04	4.48E+04	N (c)
Lead	10 / 10	100	2.94E+00	4.30E+01	1.79E-01	2.20E-01	N	2.22E+01	NA	3.85E+01	N (c)
Magnesium	10 / 10	100	1.48E+02	8.36E+02	4.40E+00	5.42E+00	N	4.87E+02	6.12E+02	7.66E+02	N (e)
Manganese	10 / 10	100	1.26E+02	6.62E+02	6.22E-02	7.66E-02	N	3.85E+02	5.03E+02	1.36E+03	N (a)
Mercury	7 / 10	70	6.40E-02	3.39E-01	2.62E-02	3.22E-02	L	1.10E-01	2.65E-01	7.00E-02	Y
Nickel	10 / 10	100	4.42E+00	4.25E+01	8.49E-01	1.05E+00	L	1.84E+01	3.68E+01	1.29E+01	N (c)
Potassium	10 / 10	100	4.45E+02	1.56E+03	1.12E+02	1.38E+02	N	1.07E+03	1.29E+03	7.11E+02	N (e)
Sodium	3 / 6	50	3.93E+01	4.57E+01	2.04E+01	2.40E+01	NP	2.69E+01	5.99E+01	7.02E+02	N (e)
Vanadium	10 / 10	100	7.72E+00	4.77E+01	3.78E-01	4.65E-01	N	2.63E+01	3.23E+01	6.49E+01	N (a)
Zinc	10 / 10	100	7.26E+00	7.56E+01	3.80E-01	4.67E-01	L	3.55E+01	7.05E+01	3.49E+01	N (c)

mg/kg = milligrams per kilogram

N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related; NA = not applicable.

[a] Subsurface soil is defined as soil from 5 to 12 foot below ground surface.

[b] N = Normal distribution, L = Lognormal distribution, NP = Nonparametric distribution.

[c] 95% Upper Confidence Limit (UCL) calculated for L and NP using Chebychev Method (EPA, 1997, *Technology Support Center Issue: The Lognormal Distribution in Environmental Applications*, Office of Solid Waste and Emergency Response, EPA/600/R-95/128, NTIS No. PB96-963502.).
N distribution UCL calculated using EPA, 1992, *Supplemental Guidance to RAGS: Calculating the Concentration Term,* Office of Solid Waste and Emergency Response, Washington, DC, Publication 9285.7-081.
UCL is not estimated for lead.

[d] Background screening criterion for inorganic constituents is 2 times the mean background concentration for subsurface soil.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[e] Rationale for exclusion of a chemical as site-related:
N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = detected only at concentrations near or below the reporting limit in less than 5 percent of samples.
N (e) = essential nutrient.

Table 6-144

Selection of Chemicals of Potential Concern for Surface Soil[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	7.34E+00	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	6.42E+00
Copper	2.87E+02	2.52E+04	N	NA	NA	3.00E+04	N	NA	NA	4.08E+03	N	NA	NA	2.04E+03	N	NA	NA	3.13E+02	N	NA	NA	
Lead	2.63E+03	4.00E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.80E+02	Y	NA	NA	8.80E+02	Y	NA	NA	4.00E+02	Y	NA	NA	8.96E+02

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-145

Selection of Chemicals of Potential Concern for Subsurface Soil[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Site-Related Chemical	Maximum Detected Concentration (mg/kg)	Applicable SSSL (mg/kg) Recreational Site User				Applicable SSSL (mg/kg) Venison				Applicable SSSL (mg/kg) Groundskeeper				Applicable SSSL (mg/kg) Construction Worker				Applicable SSSL (mg/kg) On-Site Resident				Source-Term Concentration[b] (mg/kg)
		Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	Noncancer	COPC?	Cancer	COPC?	
Metals																						
Antimony	5.35E+00	2.47E+02	N	NA	NA	5.99E+03	N	NA	NA	4.07E+01	N	NA	NA	1.99E+01	N	NA	NA	3.11E+00	Y	NA	NA	4.15E+00
Beryllium	4.35E+00	4.08E+02	N	NA	NA	5.99E+05	N	NA	NA	2.39E+01	N	1.70E+01	N	9.60E+00	N	2.13E+02	N	9.60E+00	N	NA	NA	
Mercury	3.39E-01	1.84E+02	N	NA	NA	4.00E+00	N	NA	NA	2.85E+01	N	NA	NA	1.38E+01	N	NA	NA	2.33E+00	N	NA	NA	

SSSL = Site-specific screening level developed as described in the *Draft Revision 2 Installation-Wide Work Plan, Fort McClellan, Alabama* (IT, February 2002).
COPC = Chemical of potential concern; mg/kg = milligrams per kilogram.
N = Chemical is determined not to be a COPC; Y = Chemical is determined to be COPC; NA = Not applicable.
[a] Subsurface soil is defined as soil from 5 to 12 foot below ground surface.
[b] The 95% UCL or maximum concentration, whichever is lower, is selected as the source-term concentration. The arithmetic mean is the source-term concentration for lead.

Table 6-146

Selection of Chemicals of Potential Concern for Total Soil[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Recreational Site User COPC			Venison COPC			Groundskeeper COPC			Construction Worker COPC			On-Site Resident COPC		
	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration	Surface Soil Source-Term Concentration	Subsurface Soil Source-Term Concentration	Total Soil Source-Term Concentration
Metals															
Antimony	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.42E+00	4.15E+00	6.42E+00
Lead	8.96E+02	NA	8.96E+02	8.96E+02	NA	8.96E+02	8.96E+02	NA	8.96E+02	8.96E+02	NA	8.96E+02	8.96E+02	NA	8.96E+02

COPC = Chemical of potential concern.
NA = not applicable; the source-term concentration is presented only if the chemical is selected as a COPC.
[a] Total soil is a hypothetical medium that includes all COPCs identified in surface and subsurface soil.

Table 6-147

Selection of Site-Related Chemicals for Groundwater
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Chemical	Detection Frequency	Percent hits	Range of values (mg/L) Detected Concentration Minimum	Detected Concentration Maximum	Method Detection Limits Minimum	Method Detection Limits Maximum	Arithmetic Mean (mg/L)	Background Screening Criterion[a] (mg/L)	Site-Related?[b]
Metals									
Barium	3 / 3	100	6.45E-02	7.31E-02	1.00E-03	1.00E-03	6.94E-02	1.27E-01	N (a)
Calcium	3 / 3	100	5.84E+01	8.09E+01	9.17E-02	9.17E-02	7.23E+01	5.65E+01	N (d)
Lead	1 / 3	33	2.38E-03	2.38E-03	1.30E-03	1.30E-03	1.23E-03	8.00E-03	N (a)
Magnesium	3 / 3	100	3.19E+00	4.63E+00	8.12E-02	8.12E-02	3.89E+00	2.13E+01	N (d)
Manganese	2 / 2	100	3.78E-02	1.92E-01	1.50E-03	1.50E-03	1.15E-01	5.81E-01	N (a)
Sodium	3 / 3	100	1.38E+00	1.66E+00	4.17E-01	4.17E-01	1.53E+00	1.48E+01	N (d)

NA = Not applicable; mg/L = milligrams per liter

N = Chemical is determined not to be site-related; Y = Chemical is determined to be site-related.

[a] Background screening criterion for inorganic constituents is 2 times the mean background concentration for groundwater.
(Science Applications International Corporation, 1998, Background Metals Survey Report, Fort McClellan, Anniston, Alabama, July).

[b] Rationale for exclusion of a chemical as site-related:

N (a) = excluded as a site-related chemical based on the Tier 1 statistical site to background evaluation.
N (b) = excluded as a site-related chemical based on the Tier 2 statistical site to background evaluation.
N (c) = excluded as a site-related chemical based on the Tier 3 geochemical evaluation.
N (d) = essential nutrient.

Table 6-148

Cancer Risk and Noncancer Hazard Estimates Across All Media
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Medium	Recreational Site User		Groundskeeper		Construction Worker		On-Site Resident	
	HI	ILCR	HI	ILCR	HI	ILCR	HI	ILCR
Surface Soil[a]	NA	NA	NE	NE	NE	NE	NE	NE
Venison Consumption	NA	NA	NE	NE	NE	NE	NE	NE
Total Soil[b]	NA	NA	NA	NA	NA	NA	2.06E-01	NA
Groundwater	NE	NE	NA	NA	NA	NA	NA	NA
Surface Water	NE	NE	NE	NE	NE	NE	NE	NE
Sediment	NE	NE	NE	NE	NE	NE	NE	NE
Total HI / ILCR: Current Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Total HI / ILCR: Future Site Use	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2.06E-01**	**NA**

HI = Hazard index
ILCR = Incremental lifetime cancer risk
NA = Not applicable; no chemicals of potential concern (with the possible exception of lead) were selected for this receptor in this medium.
NE = Not evaluated; the receptor is not evaluated for exposure to this medium.

[a] Current site use involves exposure to surface soil in its present condition.
[b] Future site use involves exposure to total soil, assuming that excavation and grading may be necessary for site development.

Table 6-149

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Surface Soil[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	8.96E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-150

Cancer Risk and Noncancer Hazard Estimates for Venison Consumption (Indirect Exposure to Surface Soil)[a]
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Venison Consumption HI	ILCR
Metals			
Lead	8.96E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

[a] Surface soil is defined as soil from 0 to 1 foot below ground surface.
COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-151

Cancer Risk and Noncancer Hazard Estimates for Recreational Site User Exposed to Total Soil
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Recreational Site User HI	ILCR
Metals			
Lead	8.96E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-152

Cancer Risk and Noncancer Hazard Estimates for Groundskeeper Exposed to Total Soil
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk	
		Groundskeeper	
		HI	ILCR
Metals			
Lead	8.96E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-153

Cancer Risk and Noncancer Hazard Estimates for Construction Worker Exposed to Total Soil
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk Construction Worker HI	ILCR
Metals			
Lead	8.96E+02	NA	NA
Total HI / ILCR		**NA**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-154

Cancer Risk and Noncancer Hazard Estimates for On-Site Resident Exposed to Total Soil
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

COPC	Source-Term Concentration (mg/kg)	Total Noncancer Hazard / Cancer Risk On-Site Resident HI	ILCR
Metals			
Antimony	6.42E+00	2.06E-01	NA
Lead	8.96E+02	NA	NA
Total HI / ILCR		**2.06E-01**	**NA**

COPC = Chemical of potential concern
HI = Hazard index
ILCR = Incremental lifetime cancer risk
mg/kg = Milligrams per kilogram
NA = Not applicable

Table 6-155

Recreational Site User: Comparison of Site Concentrations with Cleanup Levels
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-226Q-GP10	MR0020	2.63E+03	7.60E+03
HR-226Q-MW02	MR0027	2.15E+03	7.60E+03
HR-226Q-MW03	MR0029	2.07E+03	7.60E+03
HR-226Q-DEP03	MR0039	2.05E+03	7.60E+03
HR-226Q-GP13	MR0024	1.67E+03	7.60E+03
HR-226Q-DEP04	MR0041	1.06E+03	7.60E+03
HR-226Q-GP08	MR0016	8.59E+02	7.60E+03
HR-226Q-GP09	MR0018	5.90E+02	7.60E+03
HR-224Q-MW03	QE0018	4.46E+02	7.60E+03
HR-226Q-GP05	MR0009	2.71E+02	7.60E+03
HR-226Q-GP07	MR0014	1.99E+02	7.60E+03
HR-226Q-GP11	MR0022	1.84E+02	7.60E+03

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-156

Groundskeeper: Comparison of Site Concentrations with Cleanup Levels
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-226Q-GP10	MR0020	***2.63E+03***	8.80E+02
HR-226Q-MW02	MR0027	***2.15E+03***	8.80E+02
HR-226Q-MW03	MR0029	***2.07E+03***	8.80E+02
HR-226Q-DEP03	MR0039	***2.05E+03***	8.80E+02
HR-226Q-GP13	MR0024	***1.67E+03***	8.80E+02
HR-226Q-DEP04	MR0041	***1.06E+03***	8.80E+02
HR-226Q-GP08	MR0016	8.59E+02	8.80E+02
HR-226Q-GP09	MR0018	5.90E+02	8.80E+02
HR-224Q-MW03	QE0018	4.46E+02	8.80E+02
HR-226Q-GP05	MR0009	2.71E+02	8.80E+02
HR-226Q-GP07	MR0014	1.99E+02	8.80E+02
HR-226Q-GP11	MR0022	1.84E+02	8.80E+02

mg/kg = Milligrams per kilogram

[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).

[b] Concentrations in bold italic font exceed the cleanup level.

[c] See text.

Table 6-157

Construction Worker: Comparison of Site Concentrations with Cleanup Levels
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]
Surface Soil			
HR-226Q-GP10	MR0020	***2.63E+03***	8.80E+02
HR-226Q-MW02	MR0027	***2.15E+03***	8.80E+02
HR-226Q-MW03	MR0029	***2.07E+03***	8.80E+02
HR-226Q-DEP03	MR0039	***2.05E+03***	8.80E+02
HR-226Q-GP13	MR0024	***1.67E+03***	8.80E+02
HR-226Q-DEP04	MR0041	***1.06E+03***	8.80E+02
HR-226Q-GP08	MR0016	8.59E+02	8.80E+02
HR-226Q-GP09	MR0018	5.90E+02	8.80E+02
HR-224Q-MW03	QE0018	4.46E+02	8.80E+02
HR-226Q-GP05	MR0009	2.71E+02	8.80E+02
HR-226Q-GP07	MR0014	1.99E+02	8.80E+02
HR-226Q-GP11	MR0022	1.84E+02	8.80E+02

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-158

On-Site Resident: Comparison of Site Concentrations with Cleanup Levels
BBGR Ranges South of Range 25 (Parcels 224Q/226Q)
Fort McClellan, Calhoun County, Alabama

Sample Identification		Lead (mg/kg)		Antimony (mg/kg)	
Sample Location	Sample Number	Site Related [a,b]	Cleanup Level [c]	Site Related [a,b]	Cleanup Level [c]
Surface Soil					
HR-226Q-GP10	MR0020	***2.63E+03***	4.00E+02	6.84E+00	4.63E+01
HR-226Q-MW02	MR0027	***2.15E+03***	4.00E+02	5.83E+00	4.63E+01
HR-226Q-MW03	MR0029	***2.07E+03***	4.00E+02	7.34E+00	4.63E+01
HR-226Q-DEP03	MR0039	***2.05E+03***	4.00E+02	4.46E+00	4.63E+01
HR-226Q-GP13	MR0024	***1.67E+03***	4.00E+02	6.18E+00	4.63E+01
HR-226Q-DEP04	MR0041	***1.06E+03***	4.00E+02	6.84E+00	4.63E+01
HR-226Q-GP08	MR0016	***8.59E+02***	4.00E+02	4.65E+00	4.63E+01
HR-226Q-GP09	MR0018	***5.90E+02***	4.00E+02	5.13E+00	4.63E+01
HR-224Q-MW03	QE0018	***4.46E+02***	4.00E+02	NA	NA
HR-226Q-GP05	MR0009	2.71E+02	4.00E+02	NA	NA
HR-226Q-GP07	MR0014	1.99E+02	4.00E+02	NA	NA
HR-226Q-GP11	MR0022	1.84E+02	4.00E+02	NA	NA
HR-226Q-GP12	MR0023	NA	NA	4.03E+00	4.63E+01
Subsurface Soil					
HR-226Q-GP09	MR0019	NA	NA	5.35E+00	4.63E+01
HR-226Q-MW03	MR0031	NA	NA	3.83E+00	4.63E+01

mg/kg = Milligrams per kilogram
NA = Not applicable
[a] Concentration is presented only if metal was determined to be site related in this sample (Appendix H).
[b] Concentrations in bold italic font exceed the cleanup level.
[c] See text.

Table 6-159

Risk Summary by Range and Receptor[a]
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Risk Endpoint	Surface Soil	Subsurface Soil	Surface Water	Sediment	Groundwater
Range 18					
Current Recreational Site User[d]					
Cancer risk[b]	Acceptable	NE	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	NE	Acceptable	Acceptable	NE
Future Recreational Site User[d]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Future Groundskeeper[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Future Construction Worker[e]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
Noncancer hazard[c]	Antimony, copper, lead	Acceptable	Acceptable	Acceptable	Acceptable
Range 20					
Current Recreational Site User[b]					
Cancer risk[b]	Acceptable	NE	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	NE	Acceptable	Acceptable	NE
Future Recreational Site User[b]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Future Groundskeeper[c]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Lead	Lead	NE	NE	NE
Future Construction Worker[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Lead	Lead	NE	NE	NE
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Noncancer hazard[c]	Lead	Lead	Acceptable	Acceptable	NE

Table 6-159

Risk Summary by Range and Receptor[a]
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Risk Endpoint	Surface Soil	Subsurface Soil	Surface Water	Sediment	Groundwater
Range 23					
Current Recreational Site User[b]					
Cancer risk[b]	Acceptable	NE	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	NE	Acceptable	Acceptable	NE
Future Recreational Site User[b]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Future Groundskeeper[c]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	Acceptable
Future Construction Worker[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Lead	Lead	NE	NE	NE
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Lead	NE	NE	Acceptable
Range 26					
Current Recreational Site User[b]					
Cancer risk[b]	Acceptable	NE	NE	NE	NE
Noncancer hazard[c]	Acceptable	NE	NE	NE	NE
Future Recreational Site User[b]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	NE
Future Groundskeeper[c]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	Acceptable
Future Construction Worker[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable

Table 6-159

Risk Summary by Range and Receptor[a]
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Risk Endpoint	Surface Soil	Subsurface Soil	Surface Water	Sediment	Groundwater
Range 25					
Current Recreational Site User[b]					
Cancer risk[b]	Acceptable	NE	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	NE	Acceptable	Acceptable	NE
Future Recreational Site User[b]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Future Groundskeeper[c]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	Acceptable
Future Construction Worker[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Ranges 25E/28					
Current Recreational Site User[b]					
Cancer risk[b]	Acceptable	NE	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	NE	Acceptable	Acceptable	NE
Future Recreational Site User[b]					
Cancer risk[b]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Noncancer hazard[c]	Acceptable	Acceptable	Acceptable	Acceptable	NE
Future Groundskeeper[c]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	NE
Future Construction Worker[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	NE
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	NE

Table 6-159

Risk Summary by Range and Receptor[a]
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Risk Endpoint	Surface Soil	Subsurface Soil	Surface Water	Sediment	Groundwater
Ranges South of Range 25					
Current Recreational Site User[b]					
Cancer risk[b]	Acceptable	NE	NE	NE	NE
Noncancer hazard[c]	Acceptable	NE	NE	NE	NE
Future Recreational Site User[b]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	NE
Noncancer hazard[c]	Acceptable	Acceptable	NE	NE	NE
Future Groundskeeper[c]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Future Construction Worker[d]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable
Future On Site Resident[e]					
Cancer risk[b]	Acceptable	Acceptable	NE	NE	Acceptable
Noncancer hazard[c]	Lead	Acceptable	NE	NE	Acceptable

NE = Not evaluated: receptor not exposed to this medium on this range.

[a]Cancer risk and noncancer hazard are presented as "acceptable" (see footnotes b and c), or the chemicals of concern for unacceptable results are listed.

[b]Cancer risk is termed "acceptable" if the total ILCR summed across all relevant media rounded to one significant figure does not exceed 1E-4.

[c]Noncancer hazard is termed "acceptable" if the total HI for all target organs summed across all relevant media rounded to one significant figure does not exceed the threshold level of 1, and the average concentration of lead in an appropriately sized exposure unit does not exceed its cleanup level.

[d]The entire area of the range of interest is considered to be an appropriately sized exposure unit for this receptor.

[e]An appropriately sized exposure unit for this receptor is much less than the area of the range as a whole; therefore any concentration of a chemical above its cleanup level represents a potential threat.

Table 7-1

Feeding Guilds and Potential Exposure Pathways for Terrestrial Ecosystems Baby Bains Gap Road Ranges Fort McClellan, Calhoun County, Alabama

Trophic Level	Feeding Guild	Exposure Pathways
1	Primary Producers	Direct uptake from soil
2	Terrestrial Invertebrates	Ingestion of soil Direct contact with soil
	Herbivorous Birds	Ingestion of soil Ingestion of surface water Ingestion of terrestrial plants
	Herbivorous Mammals	Ingestion of soil Ingestion of surface water Ingestion of terrestrial plants
3	Omnivorous Birds	Ingestion of soil Ingestion of surface water Ingestion of terrestrial plants Ingestion of terrestrial invertebrates
	Omnivorous Mammals	Ingestion of soil Ingestion of surface water Ingestion of terrestrial plants Ingestion of terrestrial invertebrates Ingestion of prey
	Invertivorous Birds	Ingestion of soil Ingestion of surface water Ingestion of terrestrial invertebrates
	Invertivorous Mammals	Ingestion of soil Ingestion of surface water Ingestion of terrestrial invertebrates
4	Carnivorous Birds (raptors)	Ingestion of soil Ingestion of surface water Ingestion of prey
	Carnivorous Mammals	Ingestion of soil Ingestion of surface water Ingestion of prey

Table 7-2

Feeding Guilds and Potential Exposure Pathways for Freshwater Drainage Features Baby Bains Gap Road Ranges Fort McClellan, Calhoun County, Alabama

Trophic Level	Feeding Guild	Exposure Pathways
1	Primary Producers	Direct uptake from surface water Direct uptake from sediment
2	Benthic Invertebrates	Ingestion of sediment Direct contact with sediment
	Herbivorous Waterfowl	Ingestion of sediment Ingestion of surface water Ingestion of aquatic plants
	Herbivorous Mammals	Ingestion of sediment Ingestion of surface water Ingestion of aquatic plants
	Forage Fish	Ingestion of plankton Ingestion of aquatic plants and algae Absorption through gills
3	Omnivorous Mammals	Ingestion of sediment Ingestion of surface water Ingestion of aquatic plants Ingestion of benthic invertebrates
	Omnivorous Waterfowl	Ingestion of sediment Ingestion of surface water Ingestion of aquatic plants Ingestion of benthic invertebrates
	Invertivorous Waterfowl	Ingestion of sediment Ingestion of surface water Ingestion of benthic invertebrates
4	Piscivorous Mammals	Ingestion of sediment Ingestion of surface water Ingestion of fish
	Piscivorous Birds	Ingestion of sediment Ingestion of surface water Ingestion of fish

Table 7-3

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 18 (Parcel 74Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	1.63E+04	5.00E+01	2.88E+04	5.58E+03	1.24E+04	16 of 16	576.00	248.64	5
Antimony	1.99E+00	3.50E+00	8.64E+01	5.83E+00	1.81E+01	7 of 16	24.69	5.16	**YES**
Arsenic	1.37E+01	1.00E+01	2.43E+01	2.55E+00	8.82E+00	16 of 16	2.43	0.88	7
Barium	1.24E+02	1.65E+02	1.74E+02	3.41E+01	7.28E+01	16 of 16	1.05	0.44	5
Beryllium	8.00E-01	1.10E+00	5.95E+00	4.03E-01	1.34E+00	12 of 16	5.41	1.22	**YES**
Calcium	1.72E+03	NA	6.73E+04	2.62E+02	6.19E+03	15 of 15	ND	ND	2,5
Chromium	3.70E+01	4.00E-01	2.51E+01	7.89E+00	1.48E+01	16 of 16	62.75	36.98	3,5
Cobalt	1.52E+01	2.00E+01	8.60E+01	2.66E+00	1.29E+01	16 of 16	4.30	0.64	5
Copper	1.27E+01	4.00E+01	1.50E+04	1.04E+01	1.22E+03	16 of 16	375.00	30.51	**YES**
Iron	3.42E+04	2.00E+02	4.24E+04	1.04E+04	2.16E+04	16 of 16	212.00	108.22	5
Lead	4.01E+01	5.00E+01	2.33E+04	8.90E+00	1.79E+03	55 of 55	466.00	35.88	**YES**
Magnesium	1.03E+03	4.40E+05	2.79E+03	3.01E+02	8.35E+02	16 of 16	0.0063	0.0019	1,2,5
Manganese	1.58E+03	1.00E+02	9.08E+02	1.83E+02	4.63E+02	16 of 16	9.08	4.63	3,5
Mercury	8.00E-02	1.00E-01	1.38E-01	3.16E-02	5.58E-02	12 of 16	1.38	0.56	5
Nickel	1.03E+01	3.00E+01	6.59E+01	3.44E+00	1.56E+01	16 of 16	2.20	0.52	7
Potassium	8.00E+02	NA	1.48E+03	3.59E+02	6.78E+02	16 of 16	ND	ND	2,5
Selenium	4.80E-01	8.10E-01	1.54E+00	5.02E-01	7.06E-01	9 of 14	1.90	0.87	5
Silver	3.60E-01	2.00E+00	1.61E+00	1.33E+00	1.21E+00	3 of 16	0.81	0.61	1,5
Sodium	6.34E+02	NA	1.50E+02	3.81E+01	6.52E+01	13 of 13	ND	ND	2,3
Vanadium	5.88E+01	2.00E+00	4.82E+01	1.26E+01	2.46E+01	16 of 16	24.10	12.32	3
Zinc	4.06E+01	5.00E+01	1.25E+03	1.46E+01	1.69E+02	16 of 16	25.00	3.39	**YES**
Herbicides :									
MCPP	NA	1.00E-01	1.70E+00	1.10E+00	1.21E+00	2 of 11	17.00	12.14	7
Pesticides :									
4,4'-DDT	NA	2.50E-03	4.40E-03	4.40E-03	2.55E-03	1 of 11	1.76	1.02	7
alpha-BHC	NA	2.50E-03	8.10E-04	8.10E-04	1.54E-03	1 of 11	0.32	0.61	1
beta-BHC	NA	1.00E-03	1.50E-03	1.50E-03	1.60E-03	1 of 11	1.50	1.60	7
Endosulfan sulfate	NA	3.58E-02	1.90E-02	1.90E-02	3.88E-03	1 of 11	0.53	0.11	1
Endrin ketone	NA	1.05E-02	2.00E-02	2.00E-02	3.97E-03	1 of 11	1.90	0.38	7
Heptachlor	NA	1.00E-01	1.10E-03	1.10E-03	1.56E-03	1 of 11	0.011	0.016	1
Nitroaromatics :									
2,4-Dinitrotoluene-nitro	NA	1.28E+00	1.60E+00	1.60E+00	2.78E-01	1 of 18	1.25	0.22	7

Table 7-3

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 18 (Parcel 74Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Semivolatile Organics :									
2,4-Dinitrotoluene-svoc	NA	1.28E+00	1.80E-01	1.80E-01	1.94E-01	1 of 11	0.14	0.15	1
Acenaphthylene	NA	6.82E+02	1.30E-01	1.30E-01	1.89E-01	1 of 11	0.0002	0.0003	1
Anthracene	NA	1.00E-01	2.10E-01	2.10E-01	1.96E-01	1 of 11	2.10	1.96	7
Benzo(a)anthracene	NA	5.21E+00	3.50E-01	1.10E-01	2.02E-01	2 of 11	0.067	0.039	1
Benzo(a)pyrene	NA	1.00E-01	4.40E-01	7.30E-02	2.07E-01	2 of 11	4.40	2.07	7
Benzo(b)fluoranthene	NA	5.98E+01	1.10E+00	1.50E-01	2.74E-01	2 of 11	0.0184	0.0046	1
Benzo(ghi)perylene	NA	1.19E+02	4.60E-01	4.60E-01	2.19E-01	1 of 11	0.0039	0.0018	1
Benzo(k)fluoranthene	NA	1.48E+02	3.70E-01	3.70E-01	2.11E-01	1 of 11	0.0025	0.0014	1
Chrysene	NA	4.73E+00	5.20E-01	1.20E-01	2.19E-01	2 of 11	0.11	0.05	1
Dibenz(a,h)anthracene	NA	1.84E+01	1.50E-01	1.50E-01	1.91E-01	1 of 11	0.0082	0.0104	1
Di-n-butyl phthalate	NA	2.00E+02	2.40E+00	2.00E-01	3.96E-01	2 of 11	0.0120	0.0020	1
Fluoranthene	NA	1.00E-01	4.30E-01	2.40E-01	2.21E-01	2 of 11	4.30	2.21	7
Indeno(1,2,3-cd)pyrene	NA	1.09E+02	5.10E-01	5.10E-01	2.24E-01	1 of 11	0.0047	0.0021	1
N-Nitrosodiphenylamine	NA	2.00E+01	8.50E-01	1.90E-01	2.55E-01	2 of 11	0.0425	0.0127	1
Pyrene	NA	1.00E-01	4.00E-01	1.90E-01	2.14E-01	2 of 11	4.00	2.14	7
Volatile Organics :									
2-Butanone	NA	8.96E+01	2.90E-02	3.40E-03	1.23E-02	11 of 11	0.00032	0.00014	1
Acetone	NA	2.50E+00	6.80E-01	4.50E-02	2.00E-01	11 of 11	0.27	0.08	1
Trichlorofluoromethane	NA	1.00E-01	1.20E-03	1.20E-03	2.32E-03	1 of 11	0.0120	0.0232	1

[a] Surface soil at Parcel 74Q is defined as the interval from 0 to 0.5 feet below ground surface.

[b] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[c] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available; however, maximum detected concentration is similar to concentrations of other VOAs which are below their respective ESVs.
7 - Additional lines of evidence indicate constituent should not be considered a COPEC (see text).

Table 7-4

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 20 (Parcel 76Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	1.63E+04	5.00E+01	1.42E+04	1.27E+04	1.36E+04	4 of 4	284.00	272.00	3,5
Antimony	1.99E+00	3.50E+00	1.01E+01	9.97E+00	8.07E+00	2 of 4	2.89	2.31	**YES**
Arsenic	1.37E+01	1.00E+01	4.44E+00	1.67E+00	3.16E+00	4 of 4	0.44	0.32	1,3,5
Barium	1.24E+02	1.65E+02	1.73E+02	4.64E+01	9.14E+01	4 of 4	1.05	0.55	5
Beryllium	8.00E-01	1.10E+00	1.06E+00	4.43E-01	6.84E-01	4 of 4	0.96	0.62	1,5
Calcium	1.72E+03	NA	8.79E+02	6.95E+01	3.36E+02	4 of 4	ND	ND	2,3,5
Chromium	3.70E+01	4.00E-01	1.79E+01	9.74E+00	1.31E+01	4 of 4	44.75	32.78	3,5
Cobalt	1.52E+01	2.00E+01	8.11E+00	1.46E+00	5.10E+00	4 of 4	0.41	0.25	1,3,5
Copper	1.27E+01	4.00E+01	2.48E+02	1.53E+01	9.78E+01	4 of 4	6.20	2.45	**YES**
Iron	3.42E+04	2.00E+02	2.41E+04	1.44E+04	1.86E+04	4 of 4	120.50	93.00	3,5
Lead	4.01E+01	5.00E+01	4.47E+03	1.34E+01	1.42E+03	15 of 15	89.40	28.35	**YES**
Magnesium	1.03E+03	4.40E+05	6.57E+02	4.80E+02	5.87E+02	4 of 4	0.0015	0.0013	1,2,3,5
Manganese	1.58E+03	1.00E+02	8.00E+02	1.40E+01	4.23E+02	4 of 4	8.00	4.23	3,5
Mercury	8.00E-02	1.00E-01	6.27E-02	3.19E-02	4.98E-02	3 of 4	0.63	0.50	1,3,5
Nickel	1.03E+01	3.00E+01	5.45E+00	2.63E+00	4.31E+00	4 of 4	0.18	0.14	1,3,5
Potassium	8.00E+02	NA	2.98E+03	7.15E+02	1.59E+03	4 of 4	ND	ND	2,5
Sodium	6.34E+02	NA	5.33E+01	4.58E+01	5.60E+01	2 of 4	ND	ND	2,3
Vanadium	5.88E+01	2.00E+00	2.37E+01	1.47E+01	1.88E+01	4 of 4	11.85	9.40	3
Zinc	4.06E+01	5.00E+01	5.56E+01	1.25E+01	2.99E+01	4 of 4	1.11	0.60	5
Herbicides :									
2,4-D	NA	1.00E-01	2.40E-02	2.40E-02	1.18E-02	1 of 3	0.24	0.12	1
Pesticides :									
alpha-BHC	NA	2.50E-03	3.30E-04	3.30E-04	8.93E-04	1 of 3	0.13	0.36	1
Volatile Organics :									
Acetone	NA	2.50E+00	6.70E-02	6.00E-02	6.35E-02	2 of 2	0.027	0.025	1

Table 7-4

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 20 (Parcel 76Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern

[a] Surface soil at Parcel 76Q is defined as the interval from 0 to 0.5 feet below ground surface.

[b] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[c] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available; however, maximum detected concentration is similar to concentrations of other VOAs which are below their respective ESVs.

Table 7-5

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 23 (Parcel 79Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	1.63E+04	5.00E+01	2.34E+04	4.20E+03	1.00E+04	22 of 22	468.00	200.78	5
Antimony	1.99E+00	3.50E+00	8.34E+00	5.86E+00	6.13E+00	3 of 22	2.38	1.75	**YES**
Arsenic	1.37E+01	1.00E+01	1.75E+01	1.37E+00	5.04E+00	22 of 22	1.75	0.50	5
Barium	1.24E+02	1.65E+02	5.70E+02	4.45E+01	1.54E+02	22 of 22	3.45	0.93	5
Beryllium	8.00E-01	1.10E+00	1.60E+00	4.12E-01	7.89E-01	18 of 22	1.45	0.72	5
Calcium	1.72E+03	NA	2.41E+03	1.79E+02	7.59E+02	22 of 22	ND	ND	2,5
Chromium	3.70E+01	4.00E-01	2.48E+01	5.04E+00	1.34E+01	22 of 22	62.00	33.60	3,5
Cobalt	1.52E+01	2.00E+01	3.17E+01	1.50E+00	9.17E+00	21 of 22	1.59	0.46	5
Copper	1.27E+01	4.00E+01	1.94E+02	8.37E+00	5.80E+01	22 of 22	4.85	1.45	**YES**
Iron	3.42E+04	2.00E+02	4.27E+04	5.80E+03	1.63E+04	22 of 22	213.50	81.36	5
Lead	4.01E+01	5.00E+01	1.01E+04	8.79E+00	5.10E+02	94 of 94	202.00	10.20	**YES**
Magnesium	1.03E+03	4.40E+05	1.26E+03	1.80E+02	4.80E+02	22 of 22	0.0029	0.0011	1,2,5
Manganese	1.58E+03	1.00E+02	4.58E+03	3.12E+01	1.19E+03	22 of 22	45.80	11.87	5
Mercury	8.00E-02	1.00E-01	7.45E-02	3.06E-02	4.84E-02	13 of 20	0.75	0.48	1,3,5
Nickel	1.03E+01	3.00E+01	1.41E+01	2.20E+00	6.27E+00	22 of 22	0.47	0.21	1,5
Potassium	8.00E+02	NA	2.48E+03	1.64E+02	7.28E+02	22 of 22	ND	ND	2,5
Selenium	4.80E-01	8.10E-01	1.08E+00	5.70E-01	6.20E-01	3 of 22	1.33	0.77	5
Sodium	6.34E+02	NA	1.57E+02	3.66E+01	7.10E+01	16 of 20	ND	ND	2,3
Vanadium	5.88E+01	2.00E+00	3.94E+01	8.78E+00	1.89E+01	22 of 22	19.70	9.47	3
Zinc	4.06E+01	5.00E+01	6.00E+01	7.99E+00	2.93E+01	22 of 22	1.20	0.59	5
PCB :									
Aroclor 1260	NA	2.00E-02	2.20E-02	2.20E-02	2.36E-02	1 of 13	1.10	1.18	7
Pesticides :									
4,4'-DDD	NA	2.50E-03	1.30E-03	1.30E-03	2.28E-03	1 of 13	0.52	0.91	1
4,4'-DDE	NA	2.50E-03	3.30E-03	3.30E-03	2.43E-03	1 of 13	1.32	0.97	7
4,4'-DDT	NA	2.50E-03	3.00E-03	3.00E-03	2.40E-03	1 of 13	1.20	0.96	7
Aldrin	NA	2.50E-03	1.30E-02	3.80E-03	2.30E-03	2 of 13	5.20	0.92	7

Table 7-5

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 23 (Parcel 79Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
alpha-BHC	NA	2.50E-03	7.70E-04	5.70E-04	1.10E-03	2 of 13	0.31	0.44	1
alpha-Chlordane	NA	1.00E-01	1.50E-02	3.50E-04	2.18E-03	3 of 13	0.15	0.02	1
beta-BHC	NA	1.00E-03	6.60E-03	1.10E-03	1.65E-03	3 of 13	6.60	1.65	7
Dieldrin	NA	5.00E-04	3.90E-03	8.80E-04	2.31E-03	3 of 13	7.80	4.62	7
Endosulfan I	NA	1.19E-01	7.00E-03	7.00E-03	1.63E-03	1 of 13	0.059	0.014	1
Endosulfan II	NA	1.19E-01	2.50E-02	2.50E-02	4.11E-03	1 of 13	0.21	0.03	1
Endosulfan sulfate	NA	3.58E-02	1.10E-02	2.70E-03	3.06E-03	2 of 13	0.31	0.09	1
Endrin	NA	1.00E-03	3.60E-03	3.60E-03	2.47E-03	1 of 13	3.60	2.47	7
gamma-BHC (Lindane)	NA	5.00E-05	2.10E-02	1.20E-03	2.71E-03	2 of 13	420.00	54.23	7
gamma-Chlordane	NA	1.00E-01	2.40E-03	2.40E-03	1.27E-03	1 of 13	0.024	0.013	1
Methoxychlor	NA	1.99E-02	2.10E-02	2.10E-02	1.26E-02	1 of 13	1.06	0.63	7
Herbicides :									
MCPP	NA	1.00E-01	2.90E+00	7.40E-01	1.27E+00	3 of 13	29.00	12.72	7
Nitroaromatics :									
2,4-Dinitrotoluene-nitro	NA	1.28E+00	1.00E+01	1.10E+00	6.86E-01	2 of 22	7.81	0.54	7
2,6-Dinitrotoluene-nitro	NA	3.28E-02	4.10E-01	4.10E-01	2.10E-01	1 of 22	12.50	6.39	7
Semivolatile Organics :									
2,4-Dinitrotoluene-svoc	NA	1.28E+00	1.90E+00	4.20E-01	3.47E-01	2 of 13	1.48	0.27	7
2,6-Dinitrotoluene-svoc	NA	3.28E-02	8.60E-02	8.60E-02	1.89E-01	1 of 13	2.62	5.76	7
Benzo(b)fluoranthene	NA	5.98E+01	8.40E-02	8.40E-02	1.89E-01	1 of 13	0.0014	0.0032	1
Chrysene	NA	4.73E+00	6.20E-02	6.20E-02	1.87E-01	1 of 13	0.013	0.040	1
Di-n-butyl phthalate	NA	2.00E+02	1.30E+00	1.60E-01	2.80E-01	2 of 13	0.0065	0.0014	1
Fluoranthene	NA	1.00E-01	8.70E-02	8.70E-02	1.89E-01	1 of 13	0.87	1.89	1
N-Nitrosodiphenylamine	NA	2.00E+01	4.10E+00	6.60E-01	5.34E-01	2 of 13	0.21	0.03	1
Pyrene	NA	1.00E-01	7.00E-02	7.00E-02	1.88E-01	1 of 13	0.70	1.88	1

Table 7-5

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 23 (Parcel 79Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Volatile Organics :									
2-Butanone	NA	8.96E+01	6.00E-02	1.30E-02	1.98E-02	6 of 10	0.0007	0.0002	1
Acetone	NA	2.50E+00	5.50E-01	3.30E-02	2.72E-01	13 of 13	0.22	0.11	1
Cis-1,2-Dichloroethene	NA	1.00E-01	4.50E-03	4.50E-03	2.70E-03	1 of 13	0.045	0.027	1
Methylene chloride	NA	2.00E+00	3.30E-03	3.00E-03	4.71E-03	2 of 11	0.0017	0.0024	1
p-Cymene	NA	NA	1.90E-03	1.90E-03	2.46E-03	1 of 13	ND	ND	6
Toluene	NA	5.00E-02	2.00E-03	9.80E-04	2.05E-03	5 of 13	0.040	0.041	1
Trichloroethene	NA	1.00E-03	1.80E-03	1.80E-03	2.50E-03	1 of 13	1.80	2.50	7
Trichlorofluoromethane	NA	1.00E-01	3.30E-03	3.30E-03	2.57E-03	1 of 13	0.033	0.026	1

[a] Surface soil at Parcel 79Q is defined as the interval from 0 to 0.5 feet below ground surface.
[b] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).
[c] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).
NA - Not Available.
Rationale for exclusion as COPEC:
1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available; however, maximum detected concentration is similar to concentrations of other VOAs which are below their respective ESVs.
7 - Additional lines of evidence indicate constituent should not be considered a COPEC (see text).

Table 7-6

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 25 (Parcels 83Q and 118Q-X)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	1.63E+04	5.00E+01	3.43E+04	5.52E+03	1.92E+04	62 of 62	686.00	383.32	5
Antimony	1.99E+00	3.50E+00	2.07E+01	4.53E+00	6.18E+00	9 of 62	5.91	1.77	**YES**
Arsenic	1.37E+01	1.00E+01	3.69E+01	2.45E+00	8.71E+00	62 of 62	3.69	0.87	5
Barium	1.24E+02	1.65E+02	4.57E+02	5.38E+01	1.34E+02	62 of 62	2.77	0.81	5
Beryllium	8.00E-01	1.10E+00	2.36E+00	4.55E-01	1.00E+00	57 of 57	2.15	0.91	5
Calcium	1.72E+03	NA	6.94E+03	7.81E+01	1.02E+03	62 of 62	ND	ND	2,5
Chromium	3.70E+01	4.00E-01	1.01E+02	8.24E+00	2.48E+01	62 of 62	252.50	62.08	5
Cobalt	1.52E+01	2.00E+01	5.41E+01	3.11E+00	1.42E+01	62 of 62	2.71	0.71	5
Copper	1.27E+01	4.00E+01	2.28E+03	7.09E+00	7.99E+01	62 of 62	57.00	2.00	**YES**
Iron	3.42E+04	2.00E+02	7.21E+04	8.22E+03	2.70E+04	62 of 62	360.50	134.76	5
Lead	4.01E+01	5.00E+01	2.26E+04	7.13E+00	6.34E+02	62 of 62	452.00	12.68	**YES**
Magnesium	1.03E+03	4.40E+04	2.96E+03	4.20E+02	1.16E+03	62 of 62	0.067	0.026	1,2,5
Manganese	1.58E+03	1.00E+02	4.80E+03	7.05E+01	9.24E+02	62 of 62	48.00	9.24	5
Mercury	8.00E-02	1.00E-01	6.70E-02	2.90E-02	5.30E-02	13 of 54	0.67	0.53	1,3,5
Nickel	1.03E+01	3.00E+01	2.77E+01	4.41E+00	1.42E+01	62 of 62	0.92	0.47	1,5
Potassium	8.00E+02	NA	3.64E+03	5.25E+02	1.50E+03	62 of 62	ND	ND	2,5
Selenium	4.80E-01	8.10E-01	2.27E+00	5.37E-01	7.92E-01	32 of 62	2.80	0.98	5
Silver	3.60E-01	2.00E+00	4.72E+00	1.32E+00	1.51E+00	20 of 62	2.36	0.75	5
Sodium	6.34E+02	NA	1.07E+02	2.45E+01	5.14E+01	54 of 58	ND	ND	2,3
Vanadium	5.88E+01	2.00E+00	1.31E+02	1.37E+01	3.89E+01	62 of 62	65.50	19.44	4
Zinc	4.06E+01	5.00E+01	2.21E+02	1.67E+01	4.64E+01	62 of 62	4.42	0.93	7
Herbicides :									
2,4-D	NA	1.00E-01	7.10E-03	7.10E-03	5.80E-03	1 of 12	0.071	0.058	1
2,4-DB	NA	1.00E-01	2.10E-02	2.00E-02	1.30E-02	2 of 12	0.21	0.13	1
Dinoseb	NA	1.00E-01	7.60E-03	7.60E-03	5.84E-03	1 of 12	0.076	0.058	1
Pesticides :									
4,4'-DDT	NA	2.50E-03	5.70E-03	8.70E-04	5.13E-03	3 of 12	2.28	2.05	7
Aldrin	NA	2.50E-03	7.40E-04	7.40E-04	2.41E-03	1 of 12	0.30	0.96	1

Table 7-6

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 25 (Parcels 83Q and 118Q-X)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
beta-BHC	NA	1.00E-03	4.60E-04	4.60E-04	2.39E-03	1 of 12	0.46	2.39	1
Endrin aldehyde	NA	1.05E-02	1.00E-03	1.00E-03	4.80E-03	1 of 12	0.10	0.46	1
Heptachlor	NA	1.00E-01	2.50E-03	2.50E-03	2.56E-03	1 of 12	0.025	0.026	1
Dimethoate	NA	1.00E-01	2.20E-03	2.20E-03	1.40E-01	1 of 12	0.022	1.40	1
Disulfoton	NA	1.00E-01	4.30E-03	4.30E-03	1.40E-01	1 of 12	0.043	1.40	1
Famphur	NA	1.00E-01	3.60E-03	3.60E-03	1.40E-01	1 of 12	0.036	1.40	1
Methyl Parathion	NA	1.00E-01	5.20E-03	5.20E-03	1.40E-01	1 of 12	0.052	1.40	1
Parathion	NA	1.00E-01	3.30E-03	3.30E-03	1.40E-01	1 of 12	0.033	1.40	1
Thionazin	NA	1.00E-01	4.60E-03	4.60E-03	1.40E-01	1 of 12	0.046	1.40	1
Volatiles :									
2-Butanone	NA	8.96E+01	3.70E-02	6.20E-03	1.64E-02	10 of 12	0.00041	0.00018	1
2-Hexanone	NA	1.26E+01	3.60E-03	3.60E-03	9.59E-03	1 of 12	0.00029	0.00076	1
4-Methyl-2-pentanone	NA	4.43E+02	5.30E-03	2.30E-03	8.58E-03	3 of 12	0.000012	0.000019	1
Acetone	NA	2.50E+00	3.10E-01	4.60E-02	1.75E-01	10 of 11	0.12	0.07	1
p-Cymene	NA	NA	1.20E-03	1.20E-03	2.43E-03	1 of 12	ND	ND	6
Trichlorofluoromethane	NA	1.00E-01	2.30E-03	2.30E-03	2.52E-03	1 of 11	0.023	0.025	1

[a] Surface soil at Parcel 118Q is defined as the interval from 0 to 0.5 feet below ground surface.

[b] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[c] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available; however, maximum detected concentration is similar to concentrations of other VOAs which are below their respective ESVs.
7 - Additional lines of evidence indicate constituent should not be considered a COPEC (see text).

Table 7-8

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 26 (Parcel 84Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	1.63E+04	5.00E+01	1.73E+04	1.99E+03	8.35E+03	19 of 19	346.00	166.92	5
Antimony	1.99E+00	3.50E+00	1.53E+01	5.10E+00	6.12E+00	4 of 17	4.37	1.75	**YES**
Arsenic	1.37E+01	1.00E+01	8.43E+00	1.78E+00	3.50E+00	18 of 18	0.84	0.35	1,3,5
Barium	1.24E+02	1.65E+02	9.80E+02	1.05E+01	1.14E+02	19 of 19	5.94	0.69	5
Beryllium	8.00E-01	1.10E+00	1.25E+00	4.35E-01	6.81E-01	13 of 19	1.14	0.62	5
Calcium	1.72E+03	NA	1.75E+03	2.34E+01	4.05E+02	19 of 19	ND	ND	2,5
Chromium	3.70E+01	4.00E-01	2.52E+01	3.44E+00	1.10E+01	19 of 19	63.00	27.49	3,5
Cobalt	1.52E+01	2.00E+01	2.63E+01	1.65E+00	5.62E+00	18 of 19	1.32	0.28	5
Copper	1.27E+01	4.00E+01	1.31E+02	5.45E+00	3.20E+01	19 of 19	3.28	0.80	**YES**
Iron	3.42E+04	2.00E+02	4.58E+04	4.00E+03	1.52E+04	19 of 19	229.00	75.76	5
Lead	4.01E+01	5.00E+01	1.01E+04	8.53E+00	5.73E+02	67 of 67	202.00	11.47	**YES**
Magnesium	1.03E+03	4.40E+05	1.01E+03	5.96E+01	3.68E+02	19 of 19	0.0023	0.0008	1,2,3,5
Manganese	1.58E+03	1.00E+02	3.94E+03	1.25E+01	5.25E+02	19 of 19	39.40	5.25	5
Mercury	8.00E-02	1.00E-01	6.64E-02	2.86E-02	4.75E-02	15 of 19	0.66	0.48	1,3,5
Nickel	1.03E+01	3.00E+01	1.62E+01	2.00E+00	5.18E+00	17 of 18	0.54	0.17	1,5
Potassium	8.00E+02	NA	1.79E+03	1.83E+02	6.58E+02	18 of 18	ND	ND	2,5
Selenium	4.80E-01	8.10E-01	1.56E+00	9.67E-01	6.34E-01	2 of 19	1.93	0.78	5
Sodium	6.34E+02	NA	5.39E+01	3.99E+01	5.11E+01	9 of 19	ND	ND	2,3
Thallium	3.43E+00	1.00E+00	1.35E+00	1.35E+00	1.13E+00	1 of 17	1.35	1.13	3,5
Vanadium	5.88E+01	2.00E+00	4.56E+01	5.89E+00	1.75E+01	19 of 19	22.80	8.73	3
Zinc	4.06E+01	5.00E+01	5.03E+01	4.42E+00	1.98E+01	19 of 19	1.01	0.40	5
Herbicides :									
2,2-Dichloropropanoic Acid	NA	1.00E-01	5.40E-03	5.40E-03	1.07E-02	1 of 11	0.054	0.107	1
MCPP	NA	1.00E-01	1.30E+00	1.30E+00	1.14E+00	1 of 11	13.00	11.41	7
Pesticides :									
alpha-BHC	NA	2.50E-03	1.30E-03	4.20E-04	1.97E-03	2 of 11	0.52	0.79	1
alpha-Chlordane	NA	1.00E-01	1.20E-02	1.20E-02	2.12E-03	1 of 11	0.12	0.02	1
beta-BHC	NA	1.00E-03	5.30E-03	5.30E-03	1.51E-03	1 of 11	5.30	1.51	7
Dieldrin	NA	5.00E-04	5.10E-04	5.10E-04	3.88E-03	1 of 11	1.02	7.77	7
Endosulfan sulfate	NA	3.58E-02	4.30E-02	4.30E-02	5.95E-03	1 of 11	1.20	0.17	7

Table 7-8

Constituents of Potential Ecological Concern in Surface Soil[a]
Range 26 (Parcel 84Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Semivolatile Organics :									
Acenaphthylene	NA	6.82E+02	8.30E-01	8.30E-01	2.45E-01	1 of 11	0.0012	0.0004	1
Anthracene	NA	1.00E-01	5.20E-01	5.20E-01	2.16E-01	1 of 11	5.20	2.16	7
Benzo(a)anthracene	NA	5.21E+00	3.20E+00	1.20E-01	4.53E-01	3 of 11	0.61	0.09	1
Benzo(a)pyrene	NA	1.00E-01	2.50E+00	1.00E-01	3.85E-01	3 of 11	25.00	3.85	7
Benzo(b)fluoranthene	NA	5.98E+01	5.30E+00	1.70E-01	6.77E-01	3 of 11	0.089	0.011	1
Benzo(ghi)perylene	NA	1.19E+02	1.20E+00	6.10E-02	2.62E-01	3 of 11	0.010	0.002	1
Benzo(k)fluoranthene	NA	1.48E+02	1.90E+00	5.80E-02	3.30E-01	3 of 11	0.013	0.002	1
Chrysene	NA	4.73E+00	3.40E+00	5.50E-02	4.72E-01	4 of 11	0.72	0.10	1
Dibenz(a,h)anthracene	NA	1.84E+01	3.70E-01	3.70E-01	2.03E-01	1 of 11	0.020	0.011	1
Fluoranthene	NA	1.00E-01	5.80E+00	1.10E-01	7.06E-01	4 of 11	58.00	7.06	7
Indeno(1,2,3-cd)pyrene	NA	1.09E+02	1.30E+00	6.20E-02	2.72E-01	3 of 11	0.012	0.002	1
Pentachlorophenol	NA	2.00E-03	8.10E-02	8.10E-02	3.62E-01	1 of 11	40.50	181.18	7
Phenanthrene	NA	1.00E-01	7.60E-01	7.60E-01	2.38E-01	1 of 11	7.60	2.38	7
Pyrene	NA	1.00E-01	5.00E+00	9.10E-02	6.23E-01	4 of 11	50.00	6.23	7
Volatile Organics :									
2-Butanone	NA	8.96E+01	1.90E-02	1.90E-02	1.08E-02	1 of 6	0.00021	0.00012	1
Acetone	NA	2.50E+00	3.10E-01	4.40E-02	1.18E-01	10 of 10	0.124	0.047	1

[a] Surface soil at Parcel 84Q is defined as the interval from 0 to 0.5 feet below ground surface.

[b] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[c] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report*(IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available; however, maximum detected concentration is similar to concentrations of other VOAs which are below their respective ESVs.
7 - Additional lines of evidence indicate constituent should not be considered a COPEC (see text).

Table 7-9

Constituents of Potential Ecological Concern in Surface Soil[a]
Ranges South of Range 25 (Parcels 224Q and 226Q)
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [b] (mg/kg)	Ecological Screening Value [c] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	1.63E+04	5.00E+01	1.62E+04	4.16E+03	9.16E+03	16 of 16	324.00	183.14	3,5
Antimony	1.99E+00	3.50E+00	7.34E+00	4.03E+00	5.67E+00	9 of 16	2.10	1.62	**YES**
Arsenic	1.37E+01	1.00E+01	1.92E+01	2.64E+00	5.81E+00	16 of 16	1.92	0.58	5
Barium	1.24E+02	1.65E+02	1.44E+03	2.76E+01	1.71E+02	16 of 16	8.73	1.04	5
Beryllium	8.00E-01	1.10E+00	1.84E+00	6.78E-01	1.17E+00	7 of 7	1.67	1.06	5
Calcium	1.72E+03	NA	1.16E+04	2.72E+02	1.51E+03	15 of 15	ND	ND	2,5
Chromium	3.70E+01	4.00E-01	4.63E+01	6.86E+00	2.12E+01	16 of 16	115.75	52.88	5
Cobalt	1.52E+01	2.00E+01	1.40E+02	3.53E+00	1.66E+01	16 of 16	7.00	0.83	5
Copper	1.27E+01	4.00E+01	2.87E+02	1.75E+01	9.57E+01	16 of 16	7.18	2.39	**YES**
Iron	3.42E+04	2.00E+02	4.83E+04	1.17E+04	2.28E+04	16 of 16	241.50	114.16	5
Lead	4.01E+01	5.00E+01	2.63E+03	1.64E+01	8.96E+02	16 of 16	52.60	17.92	**YES**
Magnesium	1.03E+03	4.40E+05	6.81E+03	1.91E+02	8.31E+02	16 of 16	0.015	0.002	1,2,5
Manganese	1.58E+03	1.00E+02	6.12E+03	9.28E+01	1.01E+03	16 of 16	61.20	10.14	5
Mercury	8.00E-02	1.00E-01	8.60E-02	3.10E-02	5.75E-02	10 of 16	0.86	0.57	1,5
Nickel	1.03E+01	3.00E+01	2.32E+01	4.61E+00	1.05E+01	16 of 16	0.77	0.35	1,5
Potassium	8.00E+02	NA	1.82E+03	4.12E+02	7.66E+02	15 of 15	ND	ND	2,5
Selenium	4.80E-01	8.10E-01	5.67E-01	4.48E-01	5.51E-01	3 of 16	0.70	0.68	1,5
Sodium	6.34E+02	NA	4.12E+01	2.95E+01	4.64E+01	4 of 9	ND	ND	2,3
Thallium	3.43E+00	1.00E+00	3.99E+00	8.40E-01	1.29E+00	3 of 16	3.99	1.29	5
Vanadium	5.88E+01	2.00E+00	4.55E+01	1.30E+01	2.07E+01	16 of 16	22.75	10.35	3
Zinc	4.06E+01	5.00E+01	5.35E+01	1.56E+01	2.92E+01	16 of 16	1.07	0.58	5

[a] Surface soil at RSR-25 is defined as the interval from 0 to 0.5 feet below ground surface.
[b] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).
[c] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).
NA - Not Available.
Rationale for exclusion as COPEC:
1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available; however, maximum detected concentration is similar to concentrations of other VOAs which are below their respective ESVs.

Table 7-10

Constituents of Potential Ecological Concern in Surface Water
South Branch of Cane Creek Tributaries
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/L)	Ecological Screening Value [b] (mg/L)	Maximum Detected Conc. (mg/L)	Minimum Detected Conc. (mg/L)	Mean Detected Conc. (mg/L)	Frequency of Detection		Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :										
Aluminum	5.26E+00	8.70E-02	2.38E-01	2.38E-01	2.38E-01	1	1	2.74	2.74	3
Barium	7.54E-02	3.90E-03	9.16E-02	9.16E-02	9.16E-02	1	1	23.49	23.49	5
Calcium	2.52E+01	1.16E+02	7.63E+01	7.63E+01	7.63E+01	1	1	0.66	0.66	1,2,5
Iron	1.96E+01	1.00E+00	3.52E-01	3.52E-01	3.52E-01	1	1	0.35	0.35	1,3
Lead	8.67E-03	1.32E-03	3.97E-03	3.97E-03	3.97E-03	1	1	3.01	3.01	3
Magnesium	1.10E+01	8.20E+01	1.20E+01	1.20E+01	1.20E+01	1	1	0.15	0.15	1,2,4
Manganese	5.65E-01	8.00E-02	1.76E-02	1.76E-02	1.76E-02	1	1	0.22	0.22	1,3
Potassium	2.56E+00	5.30E+01	1.14E+00	1.14E+00	1.14E+00	1	1	0.022	0.022	1,2,3
Sodium	3.44E+00	6.80E+02	1.57E+00	1.57E+00	1.57E+00	1	1	0.0023	0.0023	1,2,3

[a] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[b] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available, maximum detected concentration is less than ESV for similar compounds.

Table 7-11

Constituents of Potential Ecological Concern in Surface Water
Ingram Creek Tributaries
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/L)	Ecological Screening Value [b] (mg/L)	Maximum Detected Conc. (mg/L)	Minimum Detected Conc. (mg/L)	Mean Detected Conc. (mg/L)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	5.26E+00	8.70E-02	2.09E-01	5.19E-02	1.12E-01	5 of 9	2.40	1.29	3
Barium	7.54E-02	3.90E-03	9.29E-02	2.67E-02	5.45E-02	9 of 9	23.82	13.96	5
Calcium	2.52E+01	1.16E+02	8.44E+01	5.91E-01	3.59E+01	9 of 9	0.73	0.31	1,2,5
Iron	1.96E+01	1.00E+00	7.19E-01	4.04E-02	2.09E-01	8 of 9	0.72	0.21	1,3
Lead	8.67E-03	1.32E-03	2.32E-03	1.64E-03	4.45E-03	2 of 11	1.76	3.37	3
Magnesium	1.10E+01	8.20E+01	7.73E+00	6.73E-01	4.17E+00	9 of 9	0.094	0.051	1,2,3,4
Manganese	5.65E-01	8.00E-02	9.97E-02	3.40E-03	3.17E-02	7 of 9	1.25	0.40	3
Potassium	2.56E+00	5.30E+01	1.69E+00	1.03E+00	1.81E+00	5 of 9	0.032	0.034	1,2,3
Sodium	3.44E+00	6.80E+02	1.26E+00	7.49E-01	1.12E+00	9 of 9	0.0019	0.0016	1,2,3

[a] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[b] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available, maximum detected concentration is less than ESV for similar compounds.

Table 7-12

Constituents of Potential Ecological Concern in Sediment
South Branch of Cane Creek Tributaries
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/kg)	Ecological Screening Value [b] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	8.59E+03	NA	8.20E+03	8.20E+03	8.20E+03	1 of 1	ND	ND	3,5
Arsenic	1.13E+01	7.24E+00	5.14E+00	5.14E+00	5.14E+00	1 of 1	0.71	0.71	1,3
Barium	9.89E+01	NA	5.88E+01	5.88E+01	5.88E+01	1 of 1	ND	ND	3,5
Beryllium	9.70E-01	NA	5.61E-01	5.61E-01	5.61E-01	1 of 1	ND	ND	3,5
Calcium	1.11E+03	NA	7.17E+02	7.17E+02	7.17E+02	1 of 1	ND	ND	2,3,5
Chromium	3.12E+01	5.23E+01	2.15E+01	2.15E+01	2.15E+01	1 of 1	0.41	0.41	1,3,5
Cobalt	1.10E+01	5.00E+01	6.03E+00	6.03E+00	6.03E+00	1 of 1	0.12	0.12	1,3,5
Copper	1.71E+01	1.87E+01	2.02E+01	2.02E+01	2.02E+01	1 of 1	1.08	1.08	5
Iron	3.53E+04	NA	1.78E+04	1.78E+04	1.78E+04	1 of 1	ND	ND	3,5
Lead	3.78E+01	3.02E+01	1.29E+02	1.29E+02	1.29E+02	1 of 1	4.27	4.27	5
Magnesium	9.06E+02	NA	8.41E+02	8.41E+02	8.41E+02	1 of 1	ND	ND	2,3,5
Manganese	7.12E+02	NA	1.34E+02	1.34E+02	1.34E+02	1 of 1	ND	ND	3,5
Nickel	1.30E+01	1.59E+01	9.17E+00	9.17E+00	9.17E+00	1 of 1	0.58	0.58	1,3,5
Potassium	1.01E+03	NA	1.41E+03	1.41E+03	1.41E+03	1 of 1	ND	ND	2,5
Vanadium	4.09E+01	NA	1.77E+01	1.77E+01	1.77E+01	1 of 1	ND	ND	3
Zinc	5.27E+01	1.24E+02	5.68E+01	5.68E+01	5.68E+01	1 of 1	0.46	0.46	1,5
Volatile Organic Compounds :									
2-Butanone	NA	1.37E-01	5.70E-03	5.70E-03	5.70E-03	1 of 1	0.042	0.042	1
Acetone	NA	4.53E-01	7.20E-02	7.20E-02	7.20E-02	1 of 1	0.16	0.16	1

[a] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[b] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available, maximum detected concentration is less than ESV for similar compounds.

Table 7-13

Constituents of Potential Ecological Concern in Sediment
Ingram Creek Tributaries
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/kg)	Ecological Screening Value [b] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :									
Aluminum	8.59E+03	NA	1.57E+04	3.79E+03	8.59E+03	9 of 9	ND	ND	5
Antimony	7.30E-01	1.20E+01	5.98E+00	5.98E+00	6.69E+00	1 of 9	0.50	0.56	1,5
Arsenic	1.13E+01	7.24E+00	1.12E+01	2.01E+00	6.23E+00	9 of 9	1.55	0.86	3
Barium	9.89E+01	NA	2.34E+02	4.47E+01	1.18E+02	9 of 9	ND	ND	5
Beryllium	9.70E-01	NA	1.81E+00	5.42E-01	9.36E-01	9 of 9	ND	ND	5
Calcium	1.11E+03	NA	1.31E+04	2.05E+02	3.04E+03	9 of 9	ND	ND	2,5
Chromium	3.12E+01	5.23E+01	1.36E+02	1.00E+01	2.89E+01	9 of 9	2.60	0.55	5
Cobalt	1.10E+01	5.00E+01	1.54E+01	5.33E+00	9.17E+00	9 of 9	0.31	0.18	1,5
Copper	1.71E+01	1.87E+01	2.20E+02	7.81E+00	4.00E+01	9 of 9	11.76	2.14	**YES**
Iron	3.53E+04	NA	5.72E+04	1.24E+04	2.73E+04	9 of 9	ND	ND	5
Lead	3.78E+01	3.02E+01	5.33E+02	1.61E+01	7.64E+01	11 of 11	17.65	2.53	**YES**
Magnesium	9.06E+02	NA	6.76E+03	1.96E+02	1.54E+03	9 of 9	ND	ND	2,5
Manganese	7.12E+02	NA	2.04E+03	1.13E+02	6.62E+02	9 of 9	ND	ND	5
Mercury	1.10E-01	1.30E-01	9.21E-02	5.35E-02	6.63E-02	2 of 9	0.71	0.51	1,3
Nickel	1.30E+01	1.59E+01	1.31E+01	4.10E+00	8.55E+00	9 of 9	0.82	0.54	1,5
Potassium	1.01E+03	NA	2.10E+03	3.61E+02	1.07E+03	9 of 9	ND	ND	2,5
Selenium	7.20E-01	NA	9.45E-01	9.45E-01	6.87E-01	1 of 9	ND	ND	5
Silver	3.20E-01	2.00E+00	4.69E+00	4.69E+00	1.73E+00	1 of 9	2.35	0.86	5
Sodium	6.92E+02	NA	1.46E+02	2.79E+01	7.04E+01	4 of 9	ND	ND	2,3
Thallium	1.30E-01	NA	1.32E+00	1.32E+00	1.34E+00	1 of 9	ND	ND	5
Vanadium	4.09E+01	NA	3.00E+01	8.14E+00	1.97E+01	9 of 9	ND	ND	3
Zinc	5.27E+01	1.24E+02	7.39E+01	2.01E+01	4.01E+01	9 of 9	0.60	0.32	1,5
Herbicides :									
MCPP	NA	NA	2.60E+00	1.90E+00	1.54E+00	2 of 9	ND	ND	7
Pesticides :									
4,4'-DDT	NA	3.30E-03	3.20E-02	3.20E-02	5.94E-03	1 of 9	9.70	1.80	7
alpha-BHC	NA	6.00E-03	8.70E-03	9.50E-04	2.13E-03	4 of 9	1.45	0.35	7
gamma-Chlordane	NA	1.70E-03	8.90E-02	4.20E-03	1.14E-02	2 of 9	52.35	6.72	**YES**
Heptachlor	NA	6.00E-04	1.20E-03	9.90E-04	1.27E-03	2 of 9	2.00	2.11	7

Table 7-13

Constituents of Potential Ecological Concern in Sediment
Ingram Creek Tributaries
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/kg)	Ecological Screening Value [b] (mg/kg)	Maximum Detected Conc. (mg/kg)	Minimum Detected Conc. (mg/kg)	Mean Detected Conc. (mg/kg)	Frequency of Detection	Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Volatile Organic Compounds :									
2-Butanone	NA	1.37E-01	5.00E-02	1.30E-02	1.83E-02	4 of 9	0.36	0.13	1
Acetone	NA	4.53E-01	5.20E-01	4.40E-02	1.76E-01	9 of 9	1.15	0.39	7
Carbon disulfide	NA	1.34E-01	4.20E-03	4.20E-03	3.25E-03	1 of 6	0.031	0.024	1
Methylene chloride	NA	1.26E+00	3.60E-03	3.60E-03	5.93E-03	1 of 6	0.0029	0.0047	1
Toluene	NA	6.70E-01	2.20E-03	1.30E-03	2.74E-03	2 of 9	0.0033	0.0041	1

[a] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* SAIC, 1998).

[b] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available, maximum detected concentration is less than ESV for similar compounds.
7 - Additional lines of evidence indicate constituent should not be considered a COPEC (see text).

Table 7-14

Constituents of Potential Ecological Concern in Groundwater
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/L)	Ecological Screening Value [b] (mg/L)	Maximum Detected Conc. (mg/L)	Minimum Detected Conc. (mg/L)	Mean Detected Conc. (mg/L)	Frequency of Detection		Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Metals :										
Aluminum	2.34E+00	NA	1.90E+00	5.23E-02	3.10E-01	11	17	ND	ND	3
Arsenic	1.78E-02	1.90E-01	2.59E-03	2.59E-03	4.87E-03	1	19	0.014	0.026	1,3
Barium	1.27E-01	3.90E-03	2.56E-01	2.62E-02	7.78E-02	19	19	65.64	19.96	5
Calcium	5.65E+01	1.16E+02	1.15E+02	3.17E+00	6.17E+01	19	19	0.99	0.53	1,2
Iron	7.04E+00	1.00E+00	4.50E+00	1.80E-02	7.57E-01	16	16	4.50	0.76	3
Lead	8.00E-03	1.32E-03	2.38E-03	2.38E-03	4.86E-03	1	19	1.80	3.68	3
Magnesium	2.13E+01	8.20E+01	1.93E+01	3.19E+00	6.94E+00	16	16	0.235	0.085	1,2,3
Manganese	5.81E-01	8.00E-02	3.24E+00	3.03E-03	4.01E-01	15	17	40.50	5.01	4
Potassium	7.20E+00	5.30E+01	7.03E+00	9.45E-01	2.58E+00	5	11	0.133	0.049	1,2,3
Sodium	1.48E+01	6.80E+02	4.69E+00	9.91E-01	2.23E+00	16	16	0.0069	0.0033	1,2,3
Thallium	1.46E-03	4.00E-03	3.84E-03	3.84E-03	4.94E-03	1	19	0.96	1.23	1,5
Pesticides :										
4,4'-DDD	NA	6.40E-06	8.90E-05	8.90E-05	9.48E-05	1	5	13.91	14.81	7
4,4'-DDT	NA	1.00E-06	7.70E-05	7.70E-05	9.24E-05	1	5	77.00	92.40	7
alpha-Chlordane	NA	4.30E-06	3.80E-05	1.10E-05	3.89E-05	2	5	8.84	9.05	7
beta-BHC	NA	5.00E+01	9.10E-05	1.90E-05	4.75E-05	3	5	1.82E-06	9.50E-07	1
Endosulfan I	NA	5.60E-05	7.80E-05	7.80E-05	5.44E-05	1	5	1.39	0.97	7
Endrin	NA	2.30E-06	5.40E-05	5.40E-05	8.78E-05	1	5	23.48	38.17	7
gamma-BHC (Lindane)	NA	8.00E-05	1.30E-04	1.30E-04	6.52E-05	1	5	1.63	0.82	7
Heptachlor	NA	3.80E-06	1.20E-04	1.20E-04	6.28E-05	1	5	31.58	16.53	7
Nitroaromatics :										
2,4-Dinitrotoluene	NA	2.30E-01	1.10E-03	1.10E-03	2.47E-04	1	19	0.0048	0.0011	1
2,6-Dinitrotoluene	NA	4.20E-02	3.70E-04	3.70E-04	2.09E-04	1	19	0.0088	0.0050	1
2-Nitrotoluene	NA	NA	3.20E-04	3.20E-04	2.06E-04	1	19	ND	ND	6
3-Nitrotoluene	NA	NA	6.50E-04	6.50E-04	3.18E-04	1	19	ND	ND	6
4-Amino-2,6-dinitrotoluene	NA	NA	4.00E-04	4.00E-04	2.11E-04	1	19	ND	ND	6

Table 7-14

Constituents of Potential Ecological Concern in Groundwater
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Detected Constituents	Background Threshold Value [a] (mg/L)	Ecological Screening Value [b] (mg/L)	Maximum Detected Conc. (mg/L)	Minimum Detected Conc. (mg/L)	Mean Detected Conc. (mg/L)	Frequency of Detection		Maximum Hazard Quotient	Mean Hazard Quotient	Constituent Of Potential Ecological Concern
Volatile Organics :										
Carbon disulfide	NA	8.40E-02	6.80E-04	6.80E-04	5.36E-04	1	5	0.008	0.006	1

[a] Background threshold value is 2-times the arithmetic mean background concentration as reported in *Final Background Metals Survey Report, Fort McClellan, Alabama* (SAIC, 1998).

[b] Ecological screening values are presented in *Human Health and Ecological Screening Values and PAH Background Summary Report* (IT, 2000).

NA - Not Available.

Rationale for exclusion as COPEC:

1 - Maximum detected concentration is less than ecological screening value (ESV).
2 - Essential macronutrient, only toxic at extremely high concentrations (i.e. 10-times naturally-occurring background concentration).
3 - Maximum detected concentration is less than background threshold value.
4 - Slippage Test and Wilcoxon Rank Sum Test indicate the concentration of this constituent is statistically similar to background concentrations.
5 - Geochemical evaluation of the data indicate that this constituent is naturally occurring.
6 - No ESV available, maximum detected concentration is less than ESV for similar compounds.
7 - Additional lines of evidence indicate constituent should not be considered a COPEC (see text).

Table 7-15

Summary of Constituents of Potential Ecological Concern
Baby Bains Gap Road Ranges
Fort McClellan, Calhoun County, Alabama

Constituent	Surface Soil							Surface Water		Sediment		Groundwater
	Range 18	Range 20	Range 23	Range 25	Range 25-East	Range 26	Ranges South of Range 25	Ingram Creek Tributaries	South Branch Tributaries	Ingram Creek Tributaries	South Branch Tributaries	BBGR Ranges
aluminumn												
antimony	X	X	X	X		X	X					
arsenic	O											
barium												
beryllium	X											
chromium												
cobalt												
copper	X	X	X	X		X	X			X		
iron												
lead	X	X	X	X		X	X			X		
manganese												
mercury												
nickel	O											
selenium												
silver												
thallium												
vanadium												
zinc	X			O								
aroclor-1260			O									
anthracene	O					O						
benzo(a)pyrene	O					O						
fluoranthene	O					O						
pentachlorophenol						O						
phenanthrene						O						
pyrene	O					O						
4,4'-DDD												O
4,4'-DDE			O									
4,4'-DDT	O		O	O						O		O
MCPP	O		O			O				O		
aldrin			O									

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	Range 18	Range 20	Range 23	Range 25	Range 25-East	Range 26	Ranges South of Range 25	Ingram Creek Tributaries	South Branch Tributaries	Ingram Creek Tributaries	South Branch Tributaries	BBGR Ranges
alpha-BHC										O		
beta-BHC	O		O			O						
gamma-BHC			O									O
dieldrin			O			O						
endosulfan I												O
endosufan sulfate						O						
endrin			O									O
endrin ketone	O											
alpha-chlordane												O
gamma-chlordane										X		
heptachlor										O		O
methoxychlor			O									
2,4-dinitrotoluene	O		O									
2,6-dinitrotoluene			O									
acetone										O		
trichloroethene			O									

O - HQ > 1.0; however, additional lines of evidence indicate that this constituent is not a COPEC
X - Constituent identified as a COPEC