# ATTACHMENT 1 LIST OF ACRONYMS AND ABBREVIATIONS

# List of Abbreviations and Acronyms\_

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

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# List of Abbreviations and Acronyms (Continued)\_

gm	silty gravels; gravel-sand-silt mixtures	L	lewisite; liter	NIOSH	National Institute for Occupational Safety and Health
gp	poorly graded gravels; gravel-sand mixtures	LC <sub>50</sub>	lethal concentration for 50 percent of population tested	No.	number
gpm	gallons per minute	$LD_{50}$	lethal dose for 50 percent of population tested	NOAA	National Oceanic and Atmospheric Administration
GPR	ground-penetrating radar	1	liter	NOAEL	no-observed-adverse-effects-level
GPS	global positioning system	LCS	laboratory control sample	NR	not requested; not recorded
GS	ground scar	LEL	lower explosive limit	ns	nanosecond
GSA	General Services Administration	LOAEL	lowest-observed-advserse-effects-level	N-S	north to south
GSBP	Ground Scar Boiler Plant	LT	less than the certified reporting limit	NS	not surveyed
GSSI	Geophysical Survey Systems, Inc.	max	maximum	nT	nanotesla
GST	ground stain	MCL	maximum contaminant level	NTU	nephelometric turbidity unit
GW	groundwater	MDL	method detection limit	O&G	oil and grease
gw	well-graded gravels; gravel-sand mixtures	mg/kg	milligrams per kilogram	OD	outside diameter
HA	hand auger	mg/L	milligrams per liter	OE	ordnance and explosives
HCl	hydrochloric acid	$mg/m^3$	milligrams per cubic meter	oh	organic clays of medium to high plasticity
HD	distilled mustard	mh	inorganic silts, micaceous or diatomaceous fine, sandy or silt soils	ol	organic silts and organic silty clays of low plasticity
HDPE	high-density polyethylene	MHz	megahertz	OP	organophosphorus
Herb.	herbicides	μg/g	micrograms per gram	ORP	oxidation-reduction potential
HNO <sub>3</sub>	nitric acid	μg/kg	micrograms per kilogram	OSHA	Occupational Safety and Health Administration
hr	hour	μg/L	micrograms per liter	OWS	oil/water separator
H&S	health and safety	μmhos/cm	micromhos per centimeter	oz	ounce
HSA	hollow-stem auger	min	minimum	PAH	polynuclear aromatic hydrocarbon
HTRW	hazardous, toxic, and radioactive waste	MINICAMS	miniature continuous air sampling system	Parsons	Parsons Engineering Science, Inc.
'I'	out of control, data rejected due to low recovery	ml	inorganic silts and very fine sands	Pb	lead
ICAL	initial calibration	mL	milliliter	PCB	polychlorinated biphenyl
ICB	initial calibration blank	mm	millimeter	PCE	perchloroethene
ICP	inductively-coupled plasma	MM	mounded material	PCP	pentachlorophenol
ICS	interference check sample	MOGAS	motor vehicle gasoline	PDS	Personnel Decontamination Station
ID	inside diameter	MPA	methyl phosphonic acid	PEL	permissible exposure limit
IDL	instrument detection limit	MR	molasses residue	Pest.	pesticide
IDLH	immediately dangerous to life or health	MS	matrix spike	PG	professional geologist
IDM	investigative derived media	mS/cm	millisiemens per centimeter	PID	photoionization detector
IDW	investigation-derived waste	MSD	matrix spike duplicate	PkA	Philo and Stendal soils local alluvium, 0 to 2 percent slopes
IMPA	isopropylmethyl phosphonic acid	MTBE	methyl tertiary butyl ether	POL	petroleum, oils, and lubricants
IMR	Iron Mountain Road	msl	mean sea level	PP	peristaltic pump
in.	inch	MtD3	Montevallo shaly, silty clay loam, 10 to 40 percent slopes, severely eroded	ppb	parts per billion
Ing	ingestion	mV	millivolts	PPE	personal protective equipment
Inh	inhalation	MW	monitoring well	ppm	parts per million
IP	ionization potential	N/A	not applicable; not available	PPMP	Print Plant Motor Pool
IPS	International Pipe Standard	NAD	North American Datum	ppt	parts per thousand
IRDMIS	Installation Restoration Data Management Information System	NAD83	North American Datum of 1983	PRG	preliminary remediation goals
ISCP	Installation Spill Contingency Plan	NAVD88	North American Vertical Datum of 1988	PSSC	potential site-specific chemical
IT	IT Corporation	NCP	National Contingency Plan	pt	peat or other highly organic silts
ITEMS	IT Environmental Management System TM	ND	not detected	PVC	polyvinyl chloride
<b>'J'</b>	estimated concentration	NE	no evidence; northeast	QA	quality assurance
JeB2	Jefferson gravelly fine sandy loam, 2 to 6 percent slopes, eroded	NFA	No Further Action	QA/QC	quality assurance/quality control
JeC2	Jefferson gravelly fine sandy loam, 6 to 10 percent slopes, eroded	ng/L	nanograms per liter	QAP	installation-wide quality assurance plan
JfB	Jefferson stony fine sandy loam, 0 to 10 percent slopes have strong slopes	NGVD	National Geodetic Vertical Datum	QC	quality control
K	conductivity	NIC	notice of intended change	QST	QST Environmental Inc.
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## List of Abbreviations and Acronyms (Continued)

Quality         qualifier         SVOC         sensionalise congound           RR         represent presente         SW         sm. vertice were           RAO         removal action objective         SW         sW. SM         U.S. IPA Total Activate for Evaluating Solid Worser Physical Classification           RERA         R.P. Regional Tills & Based Concentration         SZ         support zone           RERA         R.P. Regional Tills & Based Concentration         TAT         tom annual time           RERA         R. Scource Conservation and Recovery Act         SZ         support zone           RERA         R. Commended exposure Limit         TAT         tom annual time required in many sequence of the commended exposure Limit         TCA         trickhorocchane           RER         reporting limit         TCA         trickhorocchane         TCA         trickhorocchane           RER         relative percent difference         TCL         target congound list         terral trick processed factor           RER         relative percent difference         TCL         target congound list           RER         relative percent difference         TCL         target congound list           RER         relative percent difference         TCL         target congound list           RER         relative sent	qty	quantity	SU	standard unit
RNC         EN A Regim III Risk Based Concentration         Winter         Control           RCR         4 Re Regim III Risk Based Concentration         5.7         support zone           BCRX         cyclonic concentration and Recovery Act         5.7         support zone           RCRX         cyclonic conservation and Recovery Act         5.7         support zone           RCRX         cyclonic conservation and Recovery Act         1.7         turn around time           RCRX         feet and subtraction of the Control         1.7         turn around time           RCRY         feet and subtraction of the Control         1.7         turn around time           REAL         recommended exposure limit         1.7         turn recolled investigation         1.7         turn recolled investigation           RL         required from analysis         1.7         turn recolled investigation         1.7         turn recolled investigation           RL         required specimen factor         1.7         turn recolled investigation         1.7         turn recolled investigation           RL         calciuse sendand deviation         1.7         to textification exhaus deviation from the control           RL         calciuse sendand deviation         1.7         to textification exhaus deviation from the control           <	Qual	qualifier	SVOC	semivolatile organic compound
RBC         FFA Region III Risk Rased Concernation         SZ         Methods           RCRA         Resource Concernation and Recovery Act         SZ         support zonce           RDX         cyclorite         TAL         target analyte list           Ref3         Runder sily Lycly cours         TAL         target analyte list           RFI         request for analysis         TCD         2.3.78-ctrackhotoodibenzo-p-dioxin           RFA         request for analysis         TCD         2.3.78-ctrackhotoodibenzo-p-dioxin           RI         remotiful investigation         TCL         trickhotoochene           RI         reporting limit         TCL         trickhotoochene           RRP         reporting limit         TCL         trickhotoochene           RRP         redaive reporters flatter         TCL         target compound list           RRP         redaive traptered flatter         TCL <td>'R'</td> <td>rejected; resample</td> <td>SW</td> <td>surface water</td>	'R'	rejected; resample	SW	surface water
NCRA   Resource Conservation and Recovery Act	RAO	removal action objective	SW-846	U.S. EPA Test Methods for Evaluating Solid Waste: Physical/Chemical
Section   TAL   tomper analyse instruction   TAL   tomper analyse instruction   TAL   tom around time   top blank   TAL   tomper analyse in the blank   TAL   tomper analyse	RBC	EPA Region III Risk Based Concentration		Methods
ReBB         Rarden silty clay toums         TAT         turn around time           REG         field sample         TB         trip blank           REL         recommended eposare limit         TCA         trichlorosthane           RFA         request for analysis         TCDF         trichlorosthane           RI         remedial investigation         TCDF         trichlorosthane           RPD         relative response factor         TCL         target compound list           RRF         relative response factor         TCLP         toxicity characteristic leaching procedure           RRD         relative standard levisation         TDGCL         thioditylocyl democrateristic leaching procedure           RRD         real-time kinematic         TDGCL         thioditylocyl democrateristic leaching procedure           SAD         Sorder Applications International Corporation         TIC         tentitively identified compound           SAD         Science Applications International Corporation         TIV         threshold limit value           SAD         Science Applications International Corporation         TN         Tenanessee           SAD         science Applications International Corporation         TN         Transcessee           SAD         susfame         TP         to full ap	RCRA	Resource Conservation and Recovery Act	SZ	
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SDZ safe distance zone; surface danger zone  SEMS Southern Environmental Management & Specialties, Inc.  SEMS Southern Environmental Management & Specialties, Inc.  SEMS Southern Environmental Management & Specialties, Inc.  SEMS site-specific field sampling plan  SGF standard grade fuels  SHP installation-wide safety and health plan  USACE U.S. Army Corps of Engineers  SI site investigation  SI. standing liquid  USACE U.S. Army Center for Health Promotion and Preventive Medicine  SL standing liquid  USACE U.S. Army Environmental Center  SM Serratia marcescens  USACHLS  US. Army Environmental Hygiene Agency  USA Army Sour Devironmental Hygiene Agency  USA Army Sour Devironmental Hygiene Agency  USA Army Technical School  USA Army Technical School  USA Army Technical Escort Unit  USA Army Technical Escort Unit  USA Thank U.S. Army Toxic and Hazardous Material Agency  USA Thank U.S. Army Toxic and Hazardous Material Agency  STOS strontium-90  Strontium-90  Strontium-90  Strontium-90  Strontium-90  Strontium-90  USEPA  USEPA  USE Partiment of Agriculture  USEPA	SD	sediment	TRADOC	U.S. Army Training and Doctrine Command
SEMS Southern Environmental Management & Specialties, Inc.  SFSP site-specific field sampling plan  UCR upper confidence limit  UCR upper confidence limit  UCR upper confidence limit  UCR upper centified range  USA Army Center for Health Promotion and Preventive Medicine  USA Army Environmental Center  USA Army Environmental Hygiene Agency  USA Army Ferbincial School  USA Army Ferbincial School  USA Army Technical School  USA Army Technical School  USA Army Toxic and Hazardous Material Agency  USA Trophical School	SDG	sample delivery group	TRPH	total recoverable petroleum hydrocarbons
SFSP site-specific field sampling plan  SGF standard grade fuels  I'U not detected above reporting limit  SHP installation-wide safety and health plan  USACE U.S. Army Corps of Engineers  SI site investigation  SL standing liquid  USACHPPM U.S. Army Environmental Center  SI subject of the sampling plan  USACHPPM U.S. Army Environmental Center  USACHPA U.S. Army Environmental Center  USACH U.S. Army Environmental Center  USACH U.S. Army Environmental Sendon  SOP standard operating procedure  USACHLS U.S. Army Environmental Hygiene Agency  SM Serratia marcescens  USACHLS U.S. Army Environmental School  SOP standard operating procedure  USACHLS U.S. Army Forbineal School  SOP standard operating procedure  USACHLS U.S. Army Toxic and Hazardous Material Agency  USACHLS U.S. Army Toxic and Hazardous Material Agency  SP sump pump  USACHLA U.S. Army Toxic and Hazardous Material Agency  USACHLA U.S. Department of Agriculture  USACHLA U.S. Department of Agriculture  USDA U.S. Department of Agriculture  US	SDZ	safe distance zone; surface danger zone	TWA	time weighted average
SGF standard grade fuels "U" not detected above reporting limit  SHP installation-wide safety and health plan  SI site investigation  SL standing liquid  SL standing liquid  SL standing liquid  SER US. Army Center for Health Promotion and Preventive Medicine  SL standing liquid  USAEC U.S. Army Environmental Center  SER SI Site investigation  USAELS U.S. Army Environmental Progress Agency  SM Serratia marcescens  USAEMA U.S. Army Chemical School  SOP standard operating procedure  SP poorly graded sands; gravelly sands  SP sump pump  SP sump pump  SER SOP Stontium-90  SER Stony rough land, sandstone series  SER Stony rough land, sandstone series  SER SUSSE site-specific chemical  SER SIHO  SER SIHO  SER SIHO  SER SIHO  SER SIHO  SER SIHO  SER SIE-specific safety and health plan  SER SUPER SERCE Specific safety and health plan  SER SUPER SUPER Specific screening level  SER SUPER SUPER SUPPRISE Compound  SER SUPER SUPPRISE Specific screening level  SER SUPPRISE Specific specific screening level  SER SUPPRISE SPECIFIC	SEMS	Southern Environmental Management & Specialties, Inc.	UCL	upper confidence limit
SHP installation-wide safety and health plan  SI site investigation  SL standing liquid  SL standing liquid  SM Serratia marcescens  SM Serratia marcescens  SOP standard operating procedure  sp poorly graded sands; gravelly sands  SP sump pump  SP sump pump  SF so strontium-90  ST stony rough land, sandstone series  SS surface soil  SSA site-specific safety and health plan  SSHO site-specific safety and health plan  ST SSHO  ST supertropical bleach  ST SSH supertropical bleach  ST ST ST SL surface Towed Ordnance Locator System  ST STOLS  ST Strandard units  SHP site-specific Towed Ordnance Locator System  ST S	SFSP	site-specific field sampling plan	UCR	upper certified range
SIsite investigationUSACHPPMU.S. Army Center for Health Promotion and Preventive MedicineSLstanding liquidUSAECU.S. Army Environmental Centersmsilty sands; sand-silt mixturesUSAEHAU.S. Army Environmental Hygiene AgencySMSerratia marcescensUSACMLSU.S. Army Chemical SchoolSOPstandard operating procedureUSAMPSU.S. Army Military Police Schoolsppoorly graded sands; gravelly sandsUSATEUU.S. Army Tochical Escort UnitSPsump pumpUSATHAMAU.S. Army Tock and Hazardous Material AgencySr-90strontium-90USCSUnified Soil Classification SystemSsstony rough land, sandstone seriesUSDAU.S. Department of AgricultureSSsurface soilUSPAU.S. Environmental Protection AgencySSHOsite-specific chemicalUSYunderground storage tankSSHOsite-specific safety and health officerUXOunexploded ordnanceSSHPsite-specific safety and health planVOAvolatile organic analyteSSSLsite-specific sreening levelVOCvolatile organic compoundSTBsupertropical bleachVOHvolatile organic hydrocarbonSTELshort-term exposure limitVQIfrvalidation qualifierSTOLSSurface Towed Ordnance Locator System®VQualvalidation qualifierStd. unitsstandard unitsVXnerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	SGF	standard grade fuels	'U'	not detected above reporting limit
SL standing liquid USAEC U.S. Army Environmental Center  m silty sands; sand-silt mixtures USAEHA U.S. Army Environmental Hygiene Agency  SM Serratia marcescens USACMLS U.S. Army Chemical School  SOP standard operating procedure USAMPS U.S. Army Military Police School  sp poorly graded sands; gravelly sands USATEU U.S. Army Toxic and Hazardous Material Agency  sp sump pump USATHAMA U.S. Army Toxic and Hazardous Material Agency  Sr-90 strontium-90  Ss stony rough land, sandstone series USDA U.S. Department of Agriculture  SS surface soil USEPA U.S. Environmental Protection Agency  site-specific chemical UST underground storage tank  SSHO site safety and health officer UXO unexploded ordnance  SSHP site-specific safety and health plan  SSSL site-specific sereening level VOC volatile organic analyte  SSSL site-specific screening level VOH volatile organic compound  STB supertropical bleach VOH volatile organic hydrocarbon  STEL short-term exposure limit VQlfr validation qualifier  STOLS Surface Towed Ordnance Locator System®  VQual validation qualifier  STOLS standard units standard units	SHP	installation-wide safety and health plan	USACE	U.S. Army Corps of Engineers
sm silty Sands; sand-silt mixtures USAEHA U.S. Army Environmental Hygiene Agency  SM Serratia marcescens USACMLS U.S. Army Chemical School  SOP standard operating procedure USAMPS U.S. Army Military Police School  sp poorly graded sands; gravelly sands USATEU U.S. Army Technical Escort Unit  SP sump pump USATHAMA U.S. Army Toxic and Hazardous Material Agency  Sr-90 strontium-90 USCS Unified Soil Classification System  SS stony rough land, sandstone series USDA U.S. Department of Agriculture  SS surface soil USEPA U.S. Environmental Protection Agency  SSC site-specific chemical UST underground storage tank  SSHO site safety and health officer UXO unexploded ordnance  SSHP site-specific safety and health plan VOA volatile organic analyte  SSSL site-specific screening level VOC volatile organic compound  STB supertropical bleach VOH volatile organic hydrocarbon  STEL short-term exposure limit VQIfr validation qualifier  STOLS Surface Towed Ordnance Locator System® VQual validation qualifier  STOLS Surface Towed Ordnance Locator System® VQUal validation qualifier	SI	site investigation	USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
SM Serratia marcescens SOP standard operating procedure sp poorly graded sands; gravelly sands SP sump pump Sr-90 strontium-90 Ss stony rough land, sandstone series SS surface soil SSC site-specific chemical SSHO site safety and health officer SSHO site-specific screening level SSL site-specific screening level STB supertropical bleach STEL short-term exposure limit STOLS Surface Towed Ordnance Locator System Stone SOP strondium procedure USAMPS U.S. Army Technical Escort Unit U.S. Army Toxic and Hazardous Material Agency U.S. Army Toxic and Hazardous Alexanders U.S. Army Toxic and Hazardous Alexanders U.S. Army	SL	standing liquid	USAEC	U.S. Army Environmental Center
SOP standard operating procedure sp poorly graded sands; gravelly sands SP sump pump Sr-90 strontium-90 Ss stony rough land, sandstone series SS surface soil SSC site-specific chemical SSHO site safety and health officer SSHO site-specific safety and health plan SSSL site-specific sreening level SSSL site-specific streening level STB supertropical bleach STEL short-term exposure limit STOLS Std. units Std. units Standard operating procedure USAMPS U.S. Army Toxic and Hazardous Material Agency USCS Unified Soil Classification System U.S. Department of Agriculture U.S. Environmental Protection Agency U.S. Environmental Protection Agen	sm	silty sands; sand-silt mixtures	USAEHA	U.S. Army Environmental Hygiene Agency
sp poorly graded sands; gravelly sands SP sump pump USATHAMA Sr-90 strontium-90 Ss strontium-90 SS surface soil SSC site-specific chemical SSHO site safety and health officer SSHP site-specific sereening level SSL site-specific screening level SSL site-specific screening level STB supertropical bleach STEL short-term exposure limit STOLS Surface Towed Ordnance Locator System  USATEU USATHAMA U.S. Army Toxic and Hazardous Material Agency Unified Soil Classification System USDA U.S. Department of Agriculture USDA U.S. Environmental Protection Agency U.S. Environmental Protection Agency USDA USS environmental Protection Agency USDA USDA USDA USDA USDA USDA USDA USDA	SM	Serratia marcescens	USACMLS	U.S. Army Chemical School
SP sump pump	SOP	standard operating procedure	USAMPS	
Sr-90 strontium-90 USCS Unified Soil Classification System  Ss stony rough land, sandstone series  SS surface soil  SSC site-specific chemical  SSHO site safety and health officer  SSHO site-specific safety and health plan  SSSL site-specific screening level  SSSL site-specific screening level  STB supertropical bleach  STEL short-term exposure limit  STOLS  Surface Towed Ordnance Locator System®  Std. units  Standard units  USCS  USDA  U.S. Department of Agriculture  USDA  U.S. Environmental Protection Agency  U.S. Environmental Protection Agency  U.S. Environmental Protection Agency  USDA  U.S. Environmental Protection Agency  USDA  USDA  USDA  USDA  USDA  USDA  USDA  USDA  USDA  UNO  UNOC  VOA  Volatile organic analyte  VOC  Volatile organic compound  VOH  Volatile organic hydrocarbon	sp	poorly graded sands; gravelly sands	USATEU	U.S. Army Technical Escort Unit
Ss stony rough land, sandstone series  Ss surface soil  SSC site-specific chemical  SSHO site safety and health officer  SSHP site-specific screening level  SSSL site-specific screening level  STB supertropical bleach  STEL short-term exposure limit  STOLS  Std. units  U.S. Environmental Protection Agency  underground storage ta	SP	sump pump		
SS surface soil USEPA U.S. Environmental Protection Agency SSC site-specific chemical UST underground storage tank SSHO site safety and health officer UXO unexploded ordnance SSHP site-specific safety and health plan VOA volatile organic analyte SSSL site-specific screening level VOC volatile organic compound STB supertropical bleach VOH volatile organic hydrocarbon STEL short-term exposure limit VQlfr validation qualifier STOLS Surface Towed Ordnance Locator System® VQual validation qualifier Std. units standard units	Sr-90	strontium-90		Unified Soil Classification System
SSC site-specific chemical UST underground storage tank  SSHO site safety and health officer UXO unexploded ordnance  SSHP site-specific safety and health plan VOA volatile organic analyte  SSSL site-specific screening level VOC volatile organic compound  STB supertropical bleach VOH volatile organic hydrocarbon  STEL short-term exposure limit VQlfr validation qualifier  STOLS Surface Towed Ordnance Locator System® VQual validation qualifier  Std. units standard units	Ss	stony rough land, sandstone series	USDA	
SSHO site safety and health officer  SSHP site-specific safety and health plan  SSSL site-specific screening level  SSSL site-specific screening level  STB supertropical bleach  STEL short-term exposure limit  STOLS  SUrface Towed Ordnance Locator System®  Std. units  Standard units  UXO unexploded ordnance  VOA volatile organic analyte  VOC volatile organic compound  VOH volatile organic hydrocarbon  VOH volatile organic hydrocarbon  VOH validation qualifier  VQual validation qualifier  VQual validation qualifier	SS	surface soil		U.S. Environmental Protection Agency
SSHP site-specific safety and health plan  SSSL site-specific screening level  STB supertropical bleach  STEL short-term exposure limit  STOLS Surface Towed Ordnance Locator System®  Std. units  Std. units  Standard units  VOA volatile organic analyte  VOC volatile organic compound  VOH volatile organic hydrocarbon  VOH volatile organic hydrocarbon  VOH validation qualifier  VQual validation qualifier  VQual validation qualifier	SSC	site-specific chemical	UST	underground storage tank
SSSL site-specific screening level VOC volatile organic compound  STB supertropical bleach VOH volatile organic hydrocarbon  STEL short-term exposure limit VQlfr validation qualifier  STOLS Surface Towed Ordnance Locator System® VQual validation qualifier  Std. units standard units VX nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	SSHO	site safety and health officer		unexploded ordnance
STB supertropical bleach VOH volatile organic hydrocarbon  STEL short-term exposure limit VQlfr validation qualifier  STOLS Surface Towed Ordnance Locator System® VQual validation qualifier  Std. units standard units VX nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	SSHP	site-specific safety and health plan		volatile organic analyte
STEL short-term exposure limit VQlfr validation qualifier  STOLS Surface Towed Ordnance Locator System® VQual validation qualifier  Std. units standard units VX nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	SSSL	site-specific screening level		volatile organic compound
STOLS Surface Towed Ordnance Locator System® VQual validation qualifier Std. units standard units VX nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	STB	supertropical bleach	VOH	volatile organic hydrocarbon
Std. units standard units VX nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	STEL	short-term exposure limit	VQlfr	validation qualifier
Std. units standard units VX nerve agent (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)	STOLS	Surface Towed Ordnance Locator System®	VQual	validation qualifier
Weston Roy F. Weston, Inc.	Std. units	standard units	VX	$nerve\ agent\ (O-ethyl-S-[diisopropylaminoethyl]-methylphosphonothiolate)$
			Weston	Roy F. Weston, Inc.

WP installation-wide work plan

WS watershed

WSA Watershed Screening Assessment

WWI World War I
WWII World War II
XRF x-ray fluorescence
yd<sup>3</sup> cubic yards

## SAIC - Data Qualifiers, Codes and Footnotes, 1995 Remedial Investigation

N/A - Not analyzed

ND - Not detected

## **Boolean Codes**

LT – Less than the certified reporting limit

### Flagging Codes

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

#### Qualifiers

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