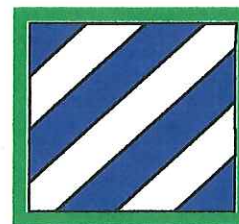


FORS COM

UST #111 CLOSURE REPORT



3d Inf Div(m)

USED OIL TANK

Building 1336
Hunter Army Airfield, Georgia

FACILITY ID# : 9025107

Prepared by:

Directorate of Public Works
Environmental and Natural Resources Division
Environmental Branch
Air, Water, and Restoration Section
June 1999

CLOSURE REPORT

**Used Oil Underground Storage Tank
Building 1336, UST #111
Facility ID #: 9-025107**

Hunter Army Airfield, Georgia

Prepared by

Fort Stewart Directorate of Public Works, Environmental Branch

December 1999

**Hunter Army Airfield, Georgia
Underground Storage Tank Closure Report**

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Prepared by

*Fort Stewart
Directorate of Public Works
Environmental Branch*

TAB 1

CLOSURE REPORT FORM

Georgia Department of Natural Resources

Environmental Protection Division

Underground Storage Tank Management Program

4244 International Parkeay, Suite 104, Atlanta, Georgia 30354

Lonice C. Barrett, Commissioner

Harold F. Reheis, Director

(404) 362-2687



CLOSURE REPORT FORM

Please complete the following form, include the listed items and check all of the boxes that apply. This form can be used as a Closure Report, provided documentation is attached when specified, to substantiate the information on this form, as outlined in the guidance document "So You Want to Close an UST?" (GUST-9). If one of the items does not apply to your tank closure, please provide a written explanation for the omission. If soil was excavated and disposed of, be sure to complete the applicable sections and attach the proper disposal documents.

1. Owner of UST System:

Name: US Army/Fort Stewart
Phone Number: (912) 767-2010/1234
Company: US Army
Address: Cdr. 3rd Inf. Div. (Mech.), Attn: AFZP-DEV, 1557 Frank Cochran Drive
Ft. Stewart GA 31314-4928
(city) (state) (zip code)

I hereby certify that the information contained in this Closure Report and in all the attachments is true, accurate, and complete, and the Closure Report satisfies all criteria and requirements of Rule 391-3-15-.09 of the Georgia Rules for Underground Storage Tank Management.

Signature: Thomas C. Fry
THOMAS C. FRY, Chief, ENRD

Date: 12/20/99

2. UST System Site Location:

Facility Name: Hunter Army Airfield/FAC 1346/1336 (260th QM Battalion)
Street Address: FAC 1346/1336
Hunter Army Airfield, GA 31402-5026
(city) (state) (zip code)
Facility ID# 9-025107

3. Contract Certification:

I hereby certify that I have performed or supervised the work detailed in this report, and have examined and am familiar with the information submitted in this and all attached documents. The submitted information is, to the best of knowledge, true, accurate, complete, and in accordance with the Georgia Rules for Underground Storage Tank Management, revised February, 1995.

Name: David F. Black
Address: PO Box 1386 Lake City, Florida 32056

Signature: [Signature]

Date: 1/8/97

4. Site-specific Hydrogeology:

Depth to Groundwater _____ ft. if encountered

☒ Not Applicable

5. Site Map: Include the following items on an attached site map:

REFER TO TAB 5

- Tank Pit Area
- Sewer Lines (if present)
- Sample Locations (with sample numbers and depths)
- Scale: 1" = 10'
- Piping Trenches
- Water Lines
- North Arrow
- Dispensers
- Tanks with thier ID#s, corresponding to the Notification Form 7530-1

6. Tank Removal

- Date of Removal: 18-Sep-96
- Tank Information:

Tank #	Tank Size (gallons)	Tank Contents
111	550	Used Oil

(This information should correspond to the 7530-1 Form.)

- Attach Amended Notification Form 7530-1
- Describe Soil Sampling Procedures (and groundwater, if encountered):

REFER TO TAB 6

REFER TO TAB 6

7. Laboratory Analytical Data:

The following items must be included on attached copies

REFER TO TAB 7

- Laboratory Method
- Detection Limits
- Date of Sampling
- Signed Chain of Custody
- Date of Analysis
- Quality Control Data

8. Regulated Substance Released:

Check the applicable box(es).

☐ Gasoline ☐ Diesel ☐ Kerosene ☒ Used Oil ☐ Other _____

9. Excavation and Treatment/Disposal of Contaminated Soil:

- Attach Soil Disposal Manifests
- Volume of Soil Excavated (less than 6 ft from USTs and 4 ft from piping or dispenser islands)
_____ Tons OR _____ yd³

☒ Not Applicable

10. Local Water Resources: Attach documentation only if Table B Soil Threshold Values and/or in-Stream Water Quality Standards are proposed for soil disposal, or No Further Action Required status. Check the applicable box(es).

☐ Drinking water supplies are NOT located in:
High or average groundwater pollution susceptibility area:*
Public water systems within 2.0 miles and
Non-public water systems within 0.5 mile

OR

Low groundwater pollution susceptibility area:*
Public water systems within 1.0 mile and
Non-public water systems within 0.25 mile

* As defined by the Groundwater Pollution Susceptibility Map of Georgia

☐ Streams, Lakes, and Ponds:
Distance to closest surface water body: _____ mile(s) or _____ feet

☒ Not Applicable

SEE TAB 7, 10

11. Conclusions or Recommendations: Choose one.

☒ Clean Closure, thus No Further Action is Required.

☐ Soil Excavated within the Limits Specified in Question 7 (GUST-9) and Transported to an EPD Treatment/Disposal Facility, Thus No Further Action is Required.

TAB 4

**PHOTODOCUMENTATION AND
CERTIFICATE OF DESTRUCTION**

TAB 4
PHOTODOCUMENTATION & CERTIFICATES of DESTRUCTION

Photodocumentation of tank removal activities was not provided by Fort Stewart's contractor for this site.

Certificates of Destruction were not provided by Fort Stewart's contractor.

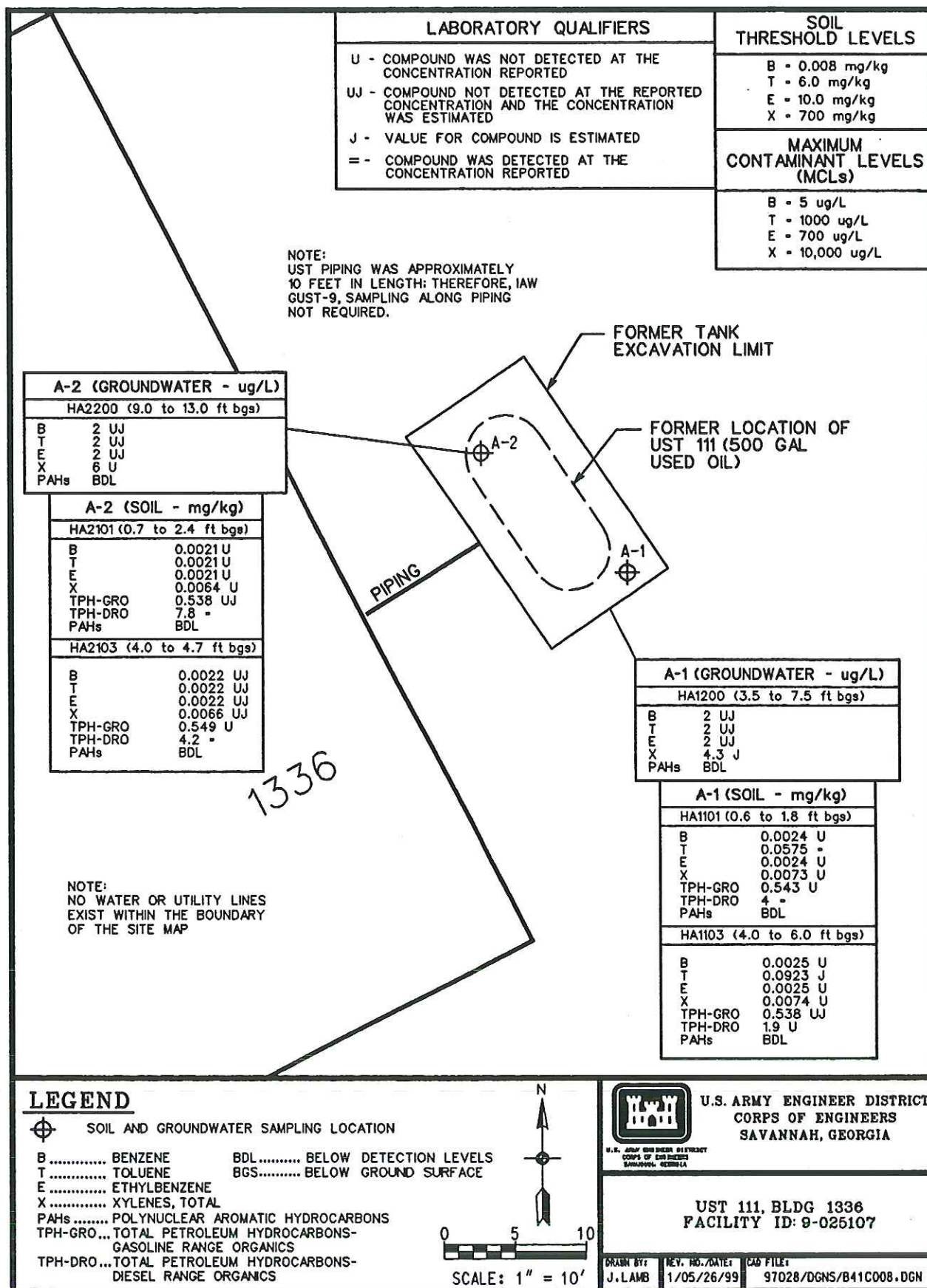
TAB 5

SITE MAPS

TAB 5
SITE MAPS

Map #1: Provided to Fort Stewart/Hunter Army Airfield by Science Applications International Corporation after the groundwater investigation (April 1998). The site map depicts the tank pit area, all underground utilities (none noted within the vicinity of the former tank), sample locations (A-1 and A-2), approximate location of associated piping, and includes a directional arrow and scale.

Map #2: Provided to Fort Stewart/Hunter Army Airfield by Anderson Columbia Environmental (ACE) upon completion of tank removal activities (September 1996). The site map depicts the tank pit area, sampling location (S1), approximate location of associated piping, and includes a directional arrow and scale.

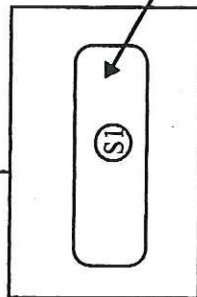


MAP #1



Building 1336

← Approx.
Piping Location



Tank 111:
550 gallon Used Oil UST

Sample S1 @ 16'

Concrete

LEGEND

(S1) Location of Closure Sample

ANDERSON COLUMBIA
Environmental, Inc.

P.O. BOX 1386, LAKE CITY, FLORIDA 32056-1386 PHONE: (904) 755-1196 FAX: (904) 758-9050

DR. AJR DR. APP. _____

DATE: 23 December 96 SCALE: 1" = 10'

Sampling Map - Building 1336

Tank 111; Facility ID # 9-025/07

Hunter AAF, Savannah, Georgia

Delivery Order 102

FIGURE NO.: 1

TAB 6

**GUST FORMS AND
FIELD ASSESSMENT METHODS**

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

state use only

Part I: Facility Data

FACILITY ID NUMBER: 9-025107

OWNER'S ID: 197

INITIAL DATE RECEIVED: 12-28-1992

DATE AMENDED LAST: 11-13-1996

NOTIFICATION TYPE: ☐ New ☒ Amended ☒ Closure

OWNERSHIP OF TANK(S):

NUMBER OF TANK(S): 1

Name : US ARMY/FT STEWART
Mailing Address: HQS 3RD INF DIV (MECH) , 1557 FRANK COCHRAN DRIVE
City : FT STEWART State : GA Zip Code: 31314-4928
Phone: (912) 767-2010 County: LIBERTY

ON OF TANK(S):

Name : HUNTER AAF/FAC 1346 1336
Street Address: FAC 1346
City : SAVANNAH State : GA Zip Code : 31402-5026
County: CHATHAM Latitude: : : Longitude: : :
Phone : () -

OWNER TYPE: ☒ Federal ☐ State ☐ Local ☐ Commercial ☐ Private

FACILITY TYPE(S):

☐ Gas Station	☐ Local Government	☐ Contractor
☐ Petroleum Dist	☐ State Government	☐ Truck/Transport
☐ Air Taxi (Airport)	☐ Fed Non-Military	☐ Utilities
☐ Aircraft Owner	☒ Fed Military	☐ Farm
☐ Auto Dealership	☐ Commercial	☐ Residential
☐ Railroad	☐ Industrial	☐ Other
☐ Hospital	☐ Educational	

CONTACT PERSON IN CHARGE OF TANK(S):

Name : U.S. ARMY / FORT STEWART Title: JOHN SPEAR/ENV-ENG
Address: Thomas Fry, Environmental Branch Chief
City : HQS 3D INF DIV (MECH) DEV/BLDG-1139
Phone : 1557 Frank Cochran Drive State: GA Zip Code: 31314-5000
Fort Stewart, GA 31314-4928 4128

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part I: Facility Data

FINANCIAL RESPONSIBILITY:

FACILITY ID NUMBER: 9-025107

I meet the financial responsibility requirements of §12-13-9
Official Code of Georgia Annotated by providing or participating
in one of the following financial assurance mechanisms.

Primary Financial Responsibility Mechanism: (check one):

- | | |
|--|---|
| ☐ GUST Trust Fund | ☐ Insurance |
| ☐ Surety Bond | ☐ Guarantee |
| ☐ Letter of Credit | ☐ Trust Fund (other than GUST) |
| ☐ Risk Retention Group | ☒ Other Method <i>Federal Funding</i> |
| ☒ Self-Insured | ☐ None |

If a primary coverage mechanism other than GUST Trust Fund is checked,
provide the following information pursuant to GUST Rule 391-15-.12 (1):

Financial Responsibility Provider (Primary):

Name :

Address:

City:

State:

Mechanism Id Number:

Mechanism Anniversary Date:

Deductible Financial Responsibility, if any: (check one)

If your primary Financial Responsibility Mechanism is provided
through participation in GUST Trust Fund by payment of Environmental
Assurance Fees, as required under GUST Rule 391-3-15-.13, you must also
check one of the following boxes indicating how coverage for the GUST
Trust Fund \$10,000 deductible is being provided.

If your primary Financial Responsibility Mechanism is other than GUST
Trust Fund and it has deductible, you must also check one of the following
boxes indicating how coverage for the deductible is being provided.

- | | |
|---|---|
| ☐ Surety Bond | ☐ Insurance |
| ☐ Letter of Credit | ☐ Guarantee |
| ☐ Risk Retention Group | ☐ Trust Fund (other than GUST) |
| ☐ Self-Insured | ☐ Other Method |

Provide the name and address of Financial Responsibility Provider
for deductible pursuant to GUST Rule 391-15-.12 (1):

Financial Responsibility Provider (Deductible):

Name :

Address:

City:

State:

Mechanism Id Number:

Mechanism Anniversary Date:

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-025107			
TANK ID	111			
Status of Tank				
Currently In Use				
Temp. Out of Use				
Perm. Out of Use	X			
Date of Installation	01-01-1987			
Age	11			
Est. Total Capacity	550 1,000			
Material of Construction				
Asphalt or Bare Steel	X			
Cath. Protected Steel				
Epoxy Coated Steel				
Composite				
Fiberglass Reinf. Plas.				
Lined Interior				
Double Walled				
Poly. Tank Jacket				
Concrete				
Excavation Liner				
Unknown				
Other, explanation				
Date Tank Repaired				
Material				
Steel				
Galvanized Steel	X			
Fiberglass				
Copper				
Cathodically Protected				
Double Walled				
Secondary Containment				
Unknown				
Other, explanation				
Date Piping Installed				
Piping Type				
Suction: No Valve				
Suction: Valve				
Pressure				
Gravity Fed				
Date Piping Repaired				
Substance Stored in Tank				
Gasoline				
Diesel				
Gasohol				
Kerosene				
Heating Oil				
Used Oil	X			
Propane				
Empty				
Other, explanation				

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-025107		
TANK ID	111		
Substance Stored in Tank			
Hazardous Substance			
CERCLA Name			
CAS Number			
Mixture			
Mixture, Specification			
Tanks Out of Use/Chg. Ser.			
Est. Date Last Used	09-96	09-96	
Est. Date Closed	09-96	09-96	
Removed from Ground	X	X	
Closed in Ground		X	
Filled with Inert Mat.		X	
Change in Service			
Site Assessment Compl.			
Leak Detected			
Installation			
Certified by Mfg			
Certified by Imple Agn.			
Inspected by Engineer			
Checklists Completed			
Other Allowed Method			
Other Description			
Release Detection	Tank	Piping	
Tank Tightness Testing			
Inventory Controls			
SIR			
Automatic Tank Gauging			
Inter. Mon./Double Wall			
Groundwater Monitoring			
Manual Tank Gauging			
Vapor Monitoring			
Inter. Mon./Sec. Cont.			
Auto. Line Leak Detect.			
Line Tightness Testing			
Other Method			
Other Description			
Spill and Overfill			
Date Overfill Device			
Date Spill Device			
Installer Certification			
Name			
Position			
any			
Date			

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part III: Certifications

OATH OF

INSTALLATION: I certify the information concerning installation of the UST system, release detection, and spill/overflow protection specified in Part II-Tank Data is true to the best of my belief and knowledge.

Installer:

Company

Company Address

Authorized Representative

Signature

Date

Title

Telephone Number (include Area Code)

CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Owner:

THOMAS C. FRY

CHIEF, ENVIRONMENTAL & NATURAL RESOURCES DIV.

Owner Name

Title

Thomas C. Fry
Owner's Signature

12/20/99
Date

TAB 6

FIELD ASSESSMENT METHODS

SOIL SAMPLE (September 1996)

One soil sample was collected for analytical testing by Anderson Columbia Environmental, Inc. (ACE) personnel two feet below the actual excavation boundaries for the tank formerly located at Building 1336 (i.e., UST #111, a 550-gallon used oil tank). The soil sample was collected into appropriate (i.e., depending on required analyses) precleaned, labeled laboratory sample bottles and immediately placed on ice. The samples were shipped under Chain of Custody to the Corps of Engineers contract laboratory, ECOSYS, Laboratory Services, located in Norcross, Georgia.

Soil samples for field screening were collected by ACE personnel from each side of the excavation and from the bottom of the excavated tank pit. Soil samples were collected at various intervals and soil vapors were withdrawn for volatile organic compounds (VOCs) with a Heath PORTA-FID II, Model No. 8000 Flame Ionization Detector (FID) fitted with a membrane filter. Calibration was performed prior to field sampling with a 100 ppm methane/air mixture.

FID readings of soil samples were collected by filling a clean glass jar one-half full with soil, capping the jar with clean aluminum foil and allowing conditions to equilibrate for approximately 15 minutes. The tip of the FID was then carefully inserted through the aluminum foil and an air sample from the jar's headspace was analyzed for total VOCs.

GROUNDWATER INVESTIGATION (April 1998)

The groundwater investigation at the site included the following activities:

1. Two soil boreholes were drilled within the former tank pit to the local water table using a hollow-stem auger rig.
2. Soil samples were continuously collected from 2.5 foot intervals during borehole drilling. Field headspace gas analysis was performed on each sample to determine organic vapor concentration.
3. For each borehole drilled, soil samples for laboratory analysis were selected only from boreholes where organic vapors were detected (one soil sample from the 2.5 foot interval where the highest vapor concentration was encountered, and the other from the 2.5 foot interval located immediately above or at the water table). Chemical parameters for soil samples submitted included BTEX, PAH, and TPH.
4. One groundwater sample was collected from each borehole upon reaching the water table using a Hydropunch II or similar device. Chemical parameters for groundwater samples submitted for laboratory analysis included BTEX and PAH.

The soil samples were collected into appropriate (i.e., depending on required analyses) precleaned, labeled laboratory sample bottles and immediately placed on ice. The samples were shipped under Chain of Custody to General Engineering Laboratory, located in Charleston, South Carolina.

TAB 6
PIPING CERTIFICATION

The undersigned certifies that, to the best of my knowledge and those working under my direct supervision, the piping associated with UST #111, formerly located at Building 1336, Hunter Army Airfield, Georgia, was closed in-place by our contractor, Anderson Columbia Environmental. In-place closure consisted of purging the line and grouting both ends.

The undersigned also certifies that the piping at this facility associated with UST#111, a used oil tank, was not greater than 25 feet in length. Therefore, and in accordance with GUST Rules, pipeline sampling is not required, nor was it performed.

Name: Thomas C. Fry

Title: Chief, Environmental and
Natural Resources Division

Signature: *Thomas C. Fry*

Date: 12/20/99

TAB 7

ANALYTICAL DATA

TAB 7
LABORATORY ANALYTICAL DATA

The analytical results from the one soil sample obtained during UST closure activities and the two additional borings installed at this site in April 1998 are provided for your use and convenience. The analytical results from the groundwater investigation (April 1998) are followed by the analytical results from the UST removal (September 1996). All corresponding chain of custody forms and data validation is also included in this section.

NOTE: Map#1, included in Tab 5, depicts the sampling locations from the groundwater investigation. Map#2, also included in Tab 5, depicts the sampling location from the tank removal.

UST 111, Building 1336
Hunter Army Airfield
Chatham County, Facility ID: 9-025107

TABLE 1. SUMMARY OF SOIL ANALYTICAL RESULTS³

Location Sample ID Date Collected Depth (ft BGS)	Applicable Standards ¹	A-1 HA1101 04/02/98 0.6 to 1.8	A-1 HA1103 4/02/98 4.0 to 6.0	A-2 HA2101 4/02/98 0.7 to 2.4	A-2 HA2103 4/02/98 4.0 to 4.7
VOCs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Benzene	0.008	0.0024 U	0.0025 U	0.0021 U	0.0022 UJ
Toluene	6.00	0.0575 =	0.0923 J	0.0021 U	0.0022 UJ
Ethylbenzene	10.00	0.0024 U	0.0025 U	0.0021 U	0.0022 UJ
Xylenes	700.00	0.0073 U	0.0074 U	0.0064 U	0.0066 UJ
TPH-DRO	NRC	4.0 =	1.9 U	7.8 =	4.2 =
TPH-GRO	NRC	0.543 U	0.538 UJ	0.538 UJ	0.549 U
PAHs	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
2-Chloronaphthalene	NRC	0.362 U	0.354 U	7.070 U	0.365 U
Acenaphthene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Acenaphthylene	NRC	0.362 U	0.354 U	7.070 U	0.365 U
Anthracene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Benzo(a)anthracene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Benzo(a)pyrene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Benzo(b)fluoranthene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Benzo(g,h,i)perylene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Benzo(k)fluoranthene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Chrysene	N/A ²	0.362 UJ	0.354 UJ	7.070 UJ	0.365 U
Dibenzo(a,h)anthracene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Fluoranthene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Fluorene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Indeno(1,2,3-cd)pyrene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Naphthalene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Phenanthrene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U
Pyrene	N/A ²	0.362 U	0.354 U	7.070 U	0.365 U

NOTE: ¹Georgia Department of Natural Resources (GA DNR) Applicable Soil Threshold Levels (i.e., Table A, column 2).
²Not applicable; the health-based threshold level exceeds the expected soil concentration under free product conditions.
³All field work and analytical sampling were performed prior to the release of the new GA DNR Corrective Action Plan (CAP)-Part A Guidance (i.e., May 1998); therefore, the new analytical methods specified were not used.
BGS - Below ground surface.
NRC - No regulatory criteria.
PAHs - Polynuclear aromatic hydrocarbons.
TPH-DRO - Total petroleum hydrocarbon-diesel-range organics.
TPH-GRO - Total petroleum hydrocarbon-gasoline-range organics.
VOCs - Volatile organic compounds.

Laboratory Qualifier

U - Indicates the compound was not detected at the concentration reported.
J - Indicates the value for the compound is an estimated value.
UJ - Indicates the compound was not detected at the reported concentration and the concentration was estimated.
= - Indicates the compound was detected at the concentration reported.



An Employee-Owned Company
Science Applications International Corporation

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 40398A

PROJECT NAME: CAP - Hunter AFB - Part A

PROJECT NUMBER: 0019

PROJECT MANAGER: Allison Bailey

Sampler (Signature) *Michelle Hall* (Printed Name) *Michelle H. Hall*

Sample ID	Date Collected	Time Collected	Matrix	REQUESTED PARAMETERS										No. of Bottles/Vials	OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
				BTX	PAH	DRP	GRO	TOC								
HTB002	4/3/98	0900	water	X										NA	9804064-18	
HA 1200	4/2/98	1440	water	X										NA	9804064-18	
HA 2200	4/2/98	1520	water	X										NA	9804064-18	
HH 1200	4/2/98	1615	water	X										NA	9804064-18	
HH 2200	4/3/98	0830	water	X										NA	9804064-18	
HH 3200	4/3/98	0905	water	X										NA	9804064-18	
HH 4200	4/3/98	0945	water	X										NA	9804064-18	
HN 3200	4/3/98	1140	water	X										NA	9804064-18	
HA 1101	4/2/98	1415	soil	X	X	X	X	X	X	X	X	X	X	NA	9804063-13	
HA 11043	4/2/98	1425	soil	X	X	X	X	X	X	X	X	X	X	NA	9804063-13	
HA 2101	4/2/98	1500	soil	X	X	X	X	X	X	X	X	X	X	NA	9804063-13	
HH 1101	4/2/98	1605	soil	X	X	X	X	X	X	X	X	X	X	NA	9804063-13	
HH 2101	4/3/98	0805	soil	X	X	X	X	X	X	X	X	X	X	NA	9804063-13	

RELINQUISHED BY: <i>Michelle Hall</i>	Date/Time: 4/3/98	RECEIVED BY: <i>[Signature]</i>	Date/Time: 4/3/98	TOTAL NUMBER OF CONTAINERS: 252	Cooler ID: # 252	Cooler Temperature: NA
COMPANY NAME: SAIL		COMPANY NAME: GEL				

RECEIVED BY: <i>[Signature]</i>	Date/Time: 4/3/98	RELINQUISHED BY: <i>[Signature]</i>	Date/Time: 4/3/98
COMPANY NAME: GEL		COMPANY NAME: GEL	

RELINQUISHED BY: <i>[Signature]</i>	Date/Time: 4/3/98	RECEIVED BY: <i>[Signature]</i>	Date/Time: 4/3/98
COMPANY NAME: GEL		COMPANY NAME: GEL	



Science Applications for National Corporation
An Employee-Owned Company

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 40398B

PROJECT NAME: CAP - Hunter AFB - Part A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory						
PROJECT NUMBER: 0019																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417						
PROJECT MANAGER: Allison Bailey																PHONE NO: (803) 556-8171						
Sampler (Signature) <i>Alison Bailey</i>				(Printed Name) Alison Bailey																		
Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	DRP	GRO	TOC	No. of Bottles/Vials:												OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
HH 2102	4/3/98	0805	soil	X	X	X	X	X										2	0 ppm	9804105-09		
HH 3101	4/3/98	0855	soil	X	X	X	X	X										2	0 ppm	9804105-03		
HH 3103	4/3/98	0900	soil	X	X	X	X	X										2	0 ppm	03		
HH 4101	4/3/98	0930	soil	X	X	X	X	X										2	0 ppm	04		
HH 4103	4/3/98	0940	soil	X	X	X	X	X										2	0 ppm	05		
HN 3101	4/3/98	1105	soil	X	X	X	X	X										2	0 ppm	06		
HN 3105	4/3/98	1130	soil	X	X	X	X	X										2	0 ppm	09		
HN 3110	4/3/98	1130	soil	X	X	X	X	X										2	0 ppm	dupl. cert. 09		
HH 3210	4/3/98	1140	water	X	X	X	X	X										2	0 ppm	9804105-04		
HH 2110	4/3/98	08105	soil	X	X	X	X	X											9804105-09	added by JAG		
HA 2103	4/2/98	1615	soil	X	X	X	X	X											9804105-10	added by JAG		
RELINQUISHED BY: <i>Alison Bailey</i>				RECEIVED BY: <i>Alison Bailey</i>				Date/Time 4/3/98				Date/Time 4/3/98				TOTAL NUMBER OF CONTAINERS: Cooler ID: #253				Cooler Temperature: FEDEX NUMBER:		
COMPANY NAME: SAC				COMPANY NAME: GEL																		
RECEIVED BY: <i>Alison Bailey</i>				RELINQUISHED BY:				Date/Time 4/3/98				Date/Time 1340										
COMPANY NAME: GEL				COMPANY NAME:																		
RELINQUISHED BY: <i>Alison Bailey</i>				RECEIVED BY:				Date/Time 4/3/98				Date/Time 1040										
COMPANY NAME: GEL				COMPANY NAME:																		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA1101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAC01S

Matrix: (soil/water) SOIL

Lab Sample ID: 9804063-13

Sample wt/vol: 10.0 (g/mL) G

Lab File ID: 2C606

Level: (low/med) LOW

Date Received: 04/02/98

% Moisture: not dec. 18

Date Analyzed: 04/04/98

GC Column: J&W DB-624(PID) ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (ml)

Soil Aliquot Volume: _____ (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

71-43-2-----Benzene	2.4	U	u = u u
108-88-3-----Toluene	57.5		
100-41-4-----Ethylbenzene	2.4	U	
1330-20-7-----Xylenes (total)	7.3	U	

FORM I VOA

FORM 1 Science Applications 02-APR-1998 SA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HA1101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA
Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S
Matrix: (soil/water) SOIL Lab Sample ID: 9804063-16
Sample wt/vol: 30.0 (g/mL) G Lab File ID: 4B30033
Level: (low/med) LOW Date Received: 04/02/98
% Moisture: 8 decanted: (Y/N) N Date Extracted: 04/06/98
Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/09/98
Injection Volume: 1.0 (uL) Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG		Q
-----	Diesel Range Organics	4.0	B	= F01, F08

FORM I SV

FORM 1 Science Applications02-APR-1998 SA
VOLATILE ORGANICS ANALYSIS DATA SHEET

HA1101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-16

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 1E104

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. 8 Date Analyzed: 04/13/98

GC Column: J&W DB-624(FID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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-----	Gasoline Range Organics	543	U
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U

13
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA1101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 20309

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: 8 decanted: (Y/N) N Date Extracted: 04/04/98

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/08/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

91-20-3	naphthalene	362	U
91-58-7	2-chloronaphthalene	362	U
209-96-8	acenaphthylene	362	U
83-32-9	acenaphthene	362	U
86-73-7	fluorene	362	U
85-01-8	phenanthrene	362	U
120-12-7	anthracene	362	U
206-44-0	fluoranthene	362	U
129-00-0	pyrene	362	U
56-55-3	benzo(a)anthracene	362	U
218-01-9	chrysene	362	U
205-99-2	benzo(b)fluoranthene	362	U
207-08-9	benzo(k)fluoranthene	362	U
50-32-8	benzo(a)pyrene	362	U
193-39-5	indeno(1,2,3-cd)pyrene	362	U
53-70-3	dibenz(a,h)anthracene	362	U
191-24-2	benzo(g,h,i)perylene	362	U

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UJ U φ5
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA1103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAC01S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-14

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 20607

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. 19 Date Analyzed: 04/04/98

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

71-43-2-----	Benzene	2.5	U
108-88-3-----	Toluene	92.3	P
100-41-4-----	Ethylbenzene	2.5	U
1330-20-7-----	Xylenes (total)	7.4	U

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FORM I VOA

FORM 1 Science Applications02-APR-1998 SA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HA1103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA301S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-17

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 4B30034

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: 7 decanted: (Y/N) N Date Extracted: 04/06/98

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/09/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) MG/KG Q

-----Diesel Range Organics	1.9	B	U	F01, F07
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FORM 1 Science Applications
VOLATILE ORGANICS ANALYSIS DATA SHEET

HA1103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-17

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 1D5016

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. 7 Date Analyzed: 04/10/98

GC Column: J&W DB-624 (FID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (uL) Soil Aliquot Volume: (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

-----Gasoline Range Organics	538	U
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UJ G02

DATA FROM
03.7

Use

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA1103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA
 Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S
 Matrix: (soil/water) SOIL Lab Sample ID: 9804063-17
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 20310
 Level: (low/med) LOW Date Received: 04/02/98
 % Moisture: 7 decanted: (Y/N) N Date Extracted: 04/04/98
 Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/08/98
 Injection Volume: 1.0 (uL) Dilution Factor: 1.0
 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

91-20-3-----	naphthalene	354	U
91-58-7-----	2-chloronaphthalene	354	U
209-96-8-----	acenaphthylene	354	U
83-32-9-----	acenaphthene	354	U
86-73-7-----	fluorene	354	U
85-01-8-----	phenanthrene	354	U
120-12-7-----	anthracene	354	U
206-44-0-----	fluoranthene	354	U
129-00-0-----	pyrene	354	U
56-55-3-----	benzo(a)anthracene	354	U
218-01-9-----	chrysene	354	U
205-99-2-----	benzo(b)fluoranthene	354	U
207-08-9-----	benzo(k)fluoranthene	354	U
50-32-8-----	benzo(a)pyrene	354	U
293-39-5-----	indeno(1,2,3-cd)pyrene	354	U
53-70-3-----	dibenz(a,h)anthracene	354	U
191-24-2-----	benzo(g,h,i)perylene	354	U

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UJ C#5
U
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA2101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-15

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 2C608

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. 6 Date Analyzed: 04/04/98

GC Column: J&W DB-624 (PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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71-43-2-----	Benzene	2.1	U
108-88-3-----	Toluene	2.1	U
100-41-4-----	Ethylbenzene	2.1	U
1330-20-7-----	Xylenes (total)	6.4	U

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FORM 1 Science Applications 02-APR-1995 SA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HA2101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-18

Sample wt/vol: 30.2 (g/mL) G Lab File ID: 4B30027

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: 7 decanted: (Y/N) N Date Extracted: 04/06/98

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/09/98

Injection Volume: 1.0 (uL) Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) MG/KG Q

-----Diesel Range Organics	7.8	B	= F01, F08
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FORM I SV

FORM 1 Science Applications02-APR-1998 SA
VOLATILE ORGANICS ANALYSIS DATA SHEET

HA2101 ✓

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S

Matrix: (soil/water) SOIL Lab Sample ID: 9804063-18

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 1D5017

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. 7 Date Analyzed: 04/10/98

GC Column: J&W DB-624 (FID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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-----Gasoline Range Organics	538	U	W G02
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Use

FORM I VOA

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA2101

Lab Name: GENERAL ENGINEERING LABOR Contract: NA
 Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA001S
 Matrix: (soil/water) SOIL Lab Sample ID: 9804063-18
 Sample wt/vol: 30.4 (g/mL) G Lab File ID: 20311
 Level: (low/med) LOW Date Received: 04/02/98
 % Moisture: 7 decanted: (Y/N) N Date Extracted: 04/04/98
 Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/08/98
 Injection Volume: 1.0 (uL) Dilution Factor: 20.0
 GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG		Q
91-20-3	naphthalene	7070	U	U ↓ UJ 0.5 U ↓
91-58-7	2-chloronaphthalene	7070	U	
209-96-8	acenaphthylene	7070	U	
83-32-9	acenaphthene	7070	U	
86-73-7	fluorene	7070	U	
85-01-8	phenanthrene	7070	U	
120-12-7	anthracene	7070	U	
206-44-0	fluoranthene	7070	U	
129-00-0	pyrene	7070	U	
56-55-3	benzo(a)anthracene	7070	U	
218-01-9	chrysene	7070	U	
205-99-2	benzo(b)fluoranthene	7070	U	
207-08-9	benzo(k)fluoranthene	7070	U	
50-32-8	benzo(a)pyrene	7070	U	
193-39-5	indeno(1,2,3-cd)pyrene	7070	J	
53-70-3	dibenz(a,h)anthracene	7070	U	
191-24-2	benzo(g,h,i)perylene	7070	U	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA2103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA003S

Matrix: (soil/water) SOIL Lab Sample ID: 9804105-10

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 2E4029

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 9 Date Analyzed: 04/17/98

GC Column: J&W DB-624(PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/KG	
71-43-2-----	Benzene	2.2	U	UJ Aφ3 ↓ ↓
108-88-3-----	Toluene	2.2	U	
100-41-4-----	Ethylbenzene	2.2	U	
1330-20-7-----	Xylenes (total)	6.6	U	

FORM I VOA

FORM 1 Science Applications03-APR-1998 SA
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

HA2103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HAC03S

Matrix: (soil/water) SOIL Lab Sample ID: 9804105-10

Sample wt/vol: 30.5 (g/mL) G Lab File ID: 4B30050

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: 9 decanted: (Y/N) N Date Extracted: 04/07/98

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/10/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) MG/KG	Q
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-----Diesel Range Organics	4.2	B	= F01, F08
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FORM I SV

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA2133

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA003S

Matrix: (soil/water) SOIL Lab Sample ID: 9804105-10

Sample wt/vol: 10.0 (g/mL) G Lab File ID: 1E4021

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 9 Date Analyzed: 04/16/98

GC Column: J&W DB-624 (FID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
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-----Gasoline Range Organics	549	U	u
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA2103

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA003S

Matrix: (soil/water) SOIL Lab Sample ID: 9804105-10

Sample wt/vol: 30.1 (g/mL) G.D. 101 Lab File ID: 20322

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: 9 decanted: (Y/N) N Date Extracted: 04/04/98

Concentrated Extract Volume: 1.00 (mL) Date Analyzed: 04/09/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Q

91-20-3-----	naphthalene	365	U
91-58-7-----	2-chloronaphthalene	365	U
209-96-8-----	acenaphthylene	365	U
83-32-9-----	acenaphthene	365	U
86-73-7-----	fluorene	365	U
85-01-8-----	phenanthrene	365	U
120-12-7-----	anthracene	365	U
206-44-0-----	fluoranthene	365	U
129-00-0-----	pyrene	365	U
56-55-3-----	benzo (a) anthracene	365	U
218-01-9-----	chrysene	365	U
205-99-2-----	benzo (b) fluoranthene	365	U
207-08-9-----	benzo (k) fluoranthene	365	U
50-32-8-----	benzo (a) pyrene	365	U
193-39-5-----	indeno (1,2,3-cd) pyrene	365	U
53-70-3-----	dibenz (a,h) anthracene	365	U
191-24-2-----	benzo (g,h,i) perylene	365	U

U

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UST 111, Building 1336
Hunter Army Airfield
Chatham County, Facility ID: 9-025107

TABLE 2. SUMMARY OF GROUNDWATER ANALYTICAL RESULTS²

Location Sample ID Date Collected Depth (ft BGS)	Applicable Standards ¹	A-1 HA1200 04/02/98 3.5 to 7.5	A-2 HA2200 04/02/98 9.0 to 13.0
VOCs	µg/L	µg/L	µg/L
Benzene	5	2 UJ	2 UJ
Toluene	1,000	2 UJ	2 UJ
Ethylbenzene	700	2 UJ	2 UJ
Xylenes	10,000	4.3 J	6 U
PAHs	µg/L	µg/L	µg/L
2-Chloronaphthalene	NRC	10.3 U	10.3 U
Acenaphthene	NRC	10.3 U	10.3 U
Acenaphthylene	NRC	10.3 U	10.3 U
Anthracene	NRC	10.3 U	10.3 U
Benzo(a)anthracene	NRC	10.3 U	10.3 U
Benzo(a)pyrene	0.2	10.3 U	10.3 U
Benzo(b)fluoranthene	NRC	10.3 U	10.3 U
Benzo(g,h,i)perylene	NRC	10.3 U	10.3 U
Benzo(k)fluoranthene	NRC	10.3 U	10.3 U
Chrysene	NRC	10.3 UJ	10.3 UJ
Dibenzo(a,h)anthracene	NRC	10.3 U	10.3 U
Fluoranthene	NRC	10.3 U	10.3 U
Fluorene	NRC	10.3 U	10.3 U
Indeno(1,2,3-cd)pyrene	NRC	10.3 U	10.3 U
Naphthalene	NRC	10.3 U	10.3 U
Phenanthrene	NRC	10.3 U	10.3 U
Pyrene	NRC	10.3 U	10.3 U

NOTE: ¹U.S. Environmental Protection Agency maximum contaminant level.

²All field work and analytical sampling were performed prior to the release of the new Georgia Department of Natural Resources (GA DNR) Corrective Action Plan (CAP)-Part A Guidance (i.e., May 1998); therefore, the new analytical methods specified were not used.

BGS - Below ground surface.

NRC - No regulatory criteria.

PAHs - Polynuclear aromatic hydrocarbons.

VOCs - Volatile organic compounds.

Laboratory Qualifiers

U - Indicates the compound was not detected at the concentration reported.

J - Indicates the value for the compound is an estimated value.

UJ - Indicates the compound was not detected at the reported concentration and the concentration was estimated.

= - Indicates the compound was detected at the concentration reported.



Science Applications Inc.
An Employee-Owned Company

800 Oak Ridge Turnpike, Oak Ridge, TN 37831 (423) 481-4600

CHAIN OF CUSTODY RECORD

COC NO.: 40398A

PROJECT NAME: CAP - Hunter AFB - Part A				REQUESTED PARAMETERS												LABORATORY NAME: General Engineering Laboratory	
PROJECT NUMBER: 0019																LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Allison Bailey																PHONE NO: (803) 556-8171	
Sampler (Signature) <i>Attended H Hall</i>				(Printed Name) <i>Mitchell H. Hall</i>													
Sample ID	Date Collected	Time Collected	Matrix	BTEX	PAH	DHP	GRO	TOC	No. of Bottles/Vials				OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
HTS002	4/3/98	0900	water	X										NA	98041064-18		
HA 1200	4/2/98	1440	water	X										NA	98041064-18		
HA 2200	4/2/98	1520	water	X										NA	98041064-18		
HA 1200	4/2/98	1615	water	X										NA	98041064-18		
HA 2200	4/3/98	0830	water	X										NA	98041064-18		
HA 3200	4/3/98	0905	water	X										NA	98041064-18		
HA 4200	4/3/98	0945	water	X										NA	98041064-18		
HA 3200	4/3/98	1140	water	X										NA	98041064-18		
HA 1101	4/2/98	1415	soil	X	X	X	X	X						NA	98041064-18		
HA 1101 3	4/2/98	1425	soil	X	X	X	X	X						NA	98041064-18		
HA 2101	4/2/98	1500	soil	X	X	X	X	X						NA	98041064-18		
HA 1101	4/2/98	1605	soil	X	X	X	X	X						NA	98041064-18		
HA 2101	4/3/98	0805	soil	X	X	X	X	X						NA	98041064-18		

RELINQUISHED BY: <i>Attended H Hall</i>	DATE/TIME 4/3/98	RECEIVED BY: <i>Attended H Hall</i>	DATE/TIME 4/3/98
COMPANY NAME: SAIC		COMPANY NAME: GEC	

RECEIVED BY: <i>Attended H Hall</i>	DATE/TIME 4/3/98	RELINQUISHED BY:	DATE/TIME
COMPANY NAME: GEC		COMPANY NAME:	

RELINQUISHED BY: <i>Attended H Hall</i>	DATE/TIME 4/3/98	RECEIVED BY:	DATE/TIME
COMPANY NAME: GEC		COMPANY NAME:	

TOTAL NUMBER OF CONTAINERS:	
Cooler ID: # 253	Cooler Temperature:

FEDEX NUMBER:	
NA	

CHAIN OF CUSTODY RECORD

COC NO.: 403987D

[illegible]

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA1200

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA002W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9804064-16

Sample wt/vol: 10.00 (g/ml) ML Lab File ID: 2C508

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. Date Analyzed: 04/03/98

GC Column: J&W DB-624 (PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: (ml) Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

71-43-2-----	Benzene	2.0 U	
108-88-3-----	Toluene	2.0 U	
100-41-4-----	Ethylbenzene	2.0 U	
1330-20-7-----	Xylenes (total)	4.3 J	

WJ C05
↓ ↓
J

DATA VALIDATION
COPY

FORM I VOA

EPA SAMPLE NO.

HA1200

Lab Code: NA

Case No.: NA

SAS No. : NA

SDG No. : HA004W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9804106-12

Sample wt/vol: 970.0 (g/mL) ML

Lab File ID: 20516

Level: (low/med) LOW

Date Received: 04/03/98

% Moisture: _____ decanted: (Y/N)

Date Extracted: 04/04/98

Concentrated Extract Volume: 1.00 (mL)

Date Analyzed: 04/10/98

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

91-20-3-----	naphthalene	10.3	U
91-58-7-----	2-chloronaphthalene	10.3	U
209-96-8-----	acenaphthylene	10.3	U
83-32-9-----	acenaphthene	10.3	U
86-73-7-----	fluorene	10.3	U
85-01-8-----	phenanthrene	10.3	U
120-12-7-----	anthracene	10.3	U
206-44-0-----	fluoranthene	10.3	U
129-00-0-----	pyrene	10.3	U
56-55-3-----	benzo (a) anthracene	10.3	U
218-01-9-----	chrysene	10.3	U
205-99-2-----	benzo (b) fluoranthene	10.3	U
207-08-9-----	benzo (k) fluoranthene	10.3	U
50-32-8-----	benzo (a) pyrene	10.3	U
193-39-5-----	indeno (1,2,3-cd) pyrene	10.3	U
53-70-3-----	dibenz (a,h) anthracene	10.3	U
191-24-2-----	benzo (g,h,i) perylene	10.3	U

$\downarrow$

405

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

HA2200

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: HA002W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9804064-17

Sample wt/vol: 10.00 (g/ml) ML Lab File ID: 2C509

Level: (low/med) LOW Date Received: 04/02/98

% Moisture: not dec. _____ Date Analyzed: 04/03/98

GC Column: J&W DB-624 (PID) ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (ml) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

71-43-2-----	Benzene	2.0 U	
108-88-3-----	Toluene	2.0 U	
100-41-4-----	Ethylbenzene	2.0 U	
1330-20-7-----	Xylenes (total)	6.0 U	

U5 C05
↓ ↓

DATA VALIDATION
COPY

FORM I VOA

EPA SAMPLE NO.

HA2200

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

91-20-3-----naphthalene	10.3	U
91-58-7-----2-chloronaphthalene	10.3	U
209-96-8-----acenaphthylene	10.3	U
83-32-9-----acenaphthene	10.3	U
86-73-7-----fluorene	10.3	U
85-01-8-----phenanthrene	10.3	U
120-12-7-----anthracene	10.3	U
206-44-0-----fluoranthene	10.3	U
129-00-0-----pyrene	10.3	U
56-55-3-----benzo (a) anthracene	10.3	U
218-01-9-----chrysene	10.3	U
205-99-2-----benzo (b) fluoranthene	10.3	U
207-08-9-----benzo (k) fluoranthene	10.3	U
50-32-8-----benzo (a) pyrene	10.3	U
193-39-5-----indeno (1,2,3-cd) pyrene	10.3	U
53-70-3-----dibenz (a,h) anthracene	10.3	U
191-24-2-----benzo (g,h,i) perylene	10.3	U

$U \xrightarrow{\quad} U$

62

HTRW DRILLING LOG		DISTRICT USACE Savannah		HOLE NUMBER A1	
1. COMPANY NAME SAIC		2. DRILL SUBCONTRACTOR		SHEET 1 OF 2	
3. PROJECT HAAF CAP Part A			4. LOCATION Hunter AAF Bldg 133G Tank III		
5. NAME OF DRILLER John Hasselhoff			6. MANUFACTURERS DESIGNATION OF DRILL Geoprobe, Salina, KA		
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT Direct Push Geoprobe microcore 2" dia			8. HOLE LOCATION A1		
9. SURFACE ELEVATION TBD			10. DATE STARTED 4-2-98		
11. DATE COMPLETED 4/2/98			12. OVERBURDEN THICKNESS NA		
13. DEPTH DRILLED INTO ROCK NA			14. TOTAL DEPTH OF HOLE 8.0' BLS 13.0' BGS		
15. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED See water level log			16. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) See water level log		
17. GEOTECHNICAL SAMPLES		18. DISTURBED		19. UNDISTURBED	
NA		NA		NA	
20. SAMPLES FOR CHEMICAL ANALYSIS		21. TOTAL CORE RECOVERY %		22. SIGNATURE OF INSPECTOR	
Soil/water		4/6		John B Reeves	
23. DISPOSITION OF HOLE piezometer		24. BACKFILLED ✓		25. MONITORING WELL NA	
26. OTHER (SPECIFY) NA		27. OTHER (SPECIFY) NA		28. OTHER (SPECIFY) NA	

LOCATION SKETCH/COMMENTS

SCALE:

Bldg 133G

Tank III

550 gal. waste oil

JBR 4-2-98

A1

A2

N

PROJECT Hunter AAF CAP Part A		HOLE NO. A1
---	--	-----------------------

63

DEPTH (A)	DESCRIPTION OF MATERIALS (C)	FIELD SQUEEZING RESISTANCE (D)	GEOTECH SAMPLE OR CORE BOX NO. (E)	ANALYTICAL SAMPLE NO. (F)	REMARKS (G)
0	concrete core 0 to .6'			0 to 2' HA1101	Started 14:05 Finished 14:10 .6' to 1.8' recovery
0.6 to .95'	gravel base coarse	.6 to .95' Ø ppm			
.95' to 1.8'	silty sand 7.5 YR 6/3 (light brown) med. gr sand part. shape mod. angular				
4	4.0 to 6.0 same as above	4' to 6' Ø ppm		6' to 8' HA1104	JBR 4-2-89 4' to 8' 6' Start 14:15 Finished 14:20 2.0' recovery
8	Wt			HA1200	
	water	sample taken from 9-13' BGS			
	TD = 13.0 ft				

PROJECT: HAA# CAP A UST INVESTIGATION

HOLE NO: A1

HTRW DRILLING LOG				DISTRICT		HOLE NUMBER	
1. COMPANY NAME SAIC				2. DRILL SUBCONTRACTOR USACE Savannah		HOLE NUMBER A2	
3. PROJECT HAAF CAP Part A				4. LOCATION Hunter AAF Bldg 1336 Tank 111			
5. NAME OF DRILLER John Hasselhoff				6. MANUFACTURERS DESIGNATION OF DRILL Geoprobe, Salina, KA			
7. SIZES AND TYPES OF DRILLING AND SAMPLING EQUIPMENT 2" dia macrocore				8. HOLE LOCATION A2			
9. SURFACE ELEVATION TBD				10. DATE STARTED 4-2-98			
				11. DATE COMPLETED 4/2/98			
12. OVERBURDEN THICKNESS NA				13. DEPTH GROUNDWATER ENCOUNTERED 8.0' BLS			
13. DEPTH DRILLED INTO ROCK NA				14. DEPTH TO WATER AND ELAPSED TIME AFTER DRILLING COMPLETED See water level log			
14. TOTAL DEPTH OF HOLE 8.0' BLS 13.0 ft BGS				15. OTHER WATER LEVEL MEASUREMENTS (SPECIFY) See water level log			
16. GEOTECHNICAL SAMPLES NA		DISTURBED NA		UNDISTURBED NA		19. TOTAL NUMBER OF CORE BOXES NA	
20. SAMPLES FOR CHEMICAL ANALYSIS soil / water		BTEX VOC 2 / 1		PAH 2 / 1		OTHER (SPECIFY) DRD 2 / 0	
21. TOTAL CORE RECOVERY 3%		OTHER (SPECIFY) GRO 2 / 0		OTHER (SPECIFY) NA			
22. DISPOSITION OF HOLE Piezometer		BACKFILLED ✓		MONITORING WELL NR		OTHER (SPECIFY) NA	
23. SIGNATURE OF INSPECTOR John D. Reese							
LOCATION SKETCH/COMMENTS							
See Page 62 Logbook 9							
PROJECT Hunter AAF CAP Part A UST Sites						HOLE NO. A2	

DEPTH (ft)	DESCRIPTION OF MATERIALS (C)	FIELD SCREENING RESULTS (D)	GEOTECH SAMPLE OR CORE BOX NO (E)	ANALYTICAL SAMPLE NO (F)	REMARKS (G)
0	0' to .7' CONC. CORE			0' to 2' HAZ 982 4-14-99	Started 14:55 Finished 14:59
4	.7' to 2.4' .7' to 1.5' ML Sandy silt with gravel .25 4/4 1.5 to 2.4' Sandy silt low plasticity	.7' to 2.4' 370 ppm		HA2101	2.4 recovery including CONC CORE
	4.0' to 4.7' Same as above	4.0' to 4.7' 0 ppm		6' to 8' HA2104	Started 15:05 Finished 15:10 0.7 recovery
8	WT			HA2200	Water Sample taken from 9-13' BGS
	TD = 13.0'				

PROJECT

HAARE CAP A VST Investigation

ROLL NO

A 2

TAB 7 - Laboratory Analytical Data

Delivery Order #102

Hunter AAF, Savannah, Georgia

Tank Number 111

Building Number 1346

<i>Method</i>	8015A	8015A	418.1	8020	8270B
Sample ID	DRO	GRO	TPH	BTEX	Semi-Volatile Organics
<i>unit</i>	ppm	ppm	ppm	ppb	ppb
8102-TK111-S1			222	BDL	BDL
bdl= below method detection limits					

**Hunter Army Airfield is in an area of 'High or Average Groundwater pollution susceptibility' and this tank is approximately 2600 feet from a withdrawal point. Comparisons should be made to Table A for contaminants >500 feet from a withdrawal point.

No soil was removed from this site.

Complete Data Package Follows

Lab Sample ID AB39133
 Project # 8102
 Project Name HUNTER AAF
 Sampling Date/Time 09/18/96 17:30

Client Site # SOIL FROM WASTE OIL UST
 Client Sample # 8102-TK111-S1

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
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Sample Comment Results are reported on a dry weight basis.

SEMI (GC/MS) SOIL

Prep Date 09/23/96

Batch 0923960004

8270B	PHENOL	\$06013	Below MDL	350	ug/Kg	1.0	108-95-2	GC	09/23/96
8270B	BIS(2-CHLOROETHYL) ETHER	\$06013	Below MDL	350	ug/Kg	1.0	111-44-4	GC	09/23/96
8270B	2-CHLOROPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	95-57-8	GC	09/23/96
8270B	1,3-DICHLOROBENZENE	\$06013	Below MDL	350	ug/Kg	1.0	541-73-1	GC	09/23/96
8270B	1,4-DICHLOROBENZENE	\$06013	Below MDL	350	ug/Kg	1.0	108-46-7	GC	09/23/96
8270B	1,2-DICHLOROBENZENE	\$06013	Below MDL	350	ug/Kg	1.0	95-50-1	GC	09/23/96
8270B	BIS(2-CHLOROISOPROPYL) ETHER	\$06013	Below MDL	350	ug/Kg	1.0	108-60-1	GC	09/23/96
8270B	2-METHYLPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	95-48-7	GC	09/23/96
8270B	4-METHYLPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	108-44-5	GC	09/23/96
8270B	N-NITROSODI-N-PROPYLAMINE	\$06013	Below MDL	350	ug/Kg	1.0	621-84-7	GC	09/23/96
8270B	HEXACHLOROETHANE	\$06013	Below MDL	350	ug/Kg	1.0	67-72-1	GC	09/23/96
8270B	NITROBENZENE	\$06013	Below MDL	350	ug/Kg	1.0	98-95-3	GC	09/23/96
8270B	ISOPHORONE	\$06013	Below MDL	350	ug/Kg	1.0	78-59-1	GC	09/23/96
8270B	2-NITROPHENOL	\$06013	Below MDL	700	ug/Kg	1.0	88-75-5	GC	09/23/96
8270B	2,4-DIMETHYLPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	105-67-9	GC	09/23/96
8270B	BIS(2-CHLOROETHOXY)METHANE	\$06013	Below MDL	350	ug/Kg	1.0	111-91-1	GC	09/23/96
8270B	2,4-DICHLOROPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	120-83-2	GC	09/23/96
8270B	1,2,4-TRICHLOROBENZENE	\$06013	Below MDL	350	ug/Kg	1.0	120-82-1	GC	09/23/96
8270B	NAPHTHALENE	\$06013	Below MDL	350	ug/Kg	1.0	91-20-3	GC	09/23/96
8270B	4-CHLOROANILINE	\$06013	Below MDL	350	ug/Kg	1.0	108-47-8	GC	09/23/96
8270B	HEXACHLOROBUTADIENE	\$06013	Below MDL	350	ug/Kg	1.0	87-68-3	GC	09/23/96
8270B	4-CHLORO-3-METHYLPHENOL	\$06013	Below MDL	700	ug/Kg	1.0	59-50-7	GC	09/23/96
8270B	2-METHYLNAPHTHALENE	\$06013	Below MDL	350	ug/Kg	1.0	91-57-8	GC	09/23/96
8270B	HEXACHLOROCYCLOPENTADIENE	\$06013	Below MDL	350	ug/Kg	1.0	77-47-4	GC	09/23/96
8270B	2,4,6-TRICHLOROPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	88-08-2	GC	09/23/96
8270B	2,4,5-TRICHLOROPHENOL	\$06013	Below MDL	350	ug/Kg	1.0	95-95-4	GC	09/23/96
8270B	2-CHLORONAPHTHALENE	\$06013	Below MDL	350	ug/Kg	1.0	91-58-7	GC	09/23/96
8270B	2-NITROANILINE	\$06013	Below MDL	350	ug/Kg	1.0	88-74-4	GC	09/23/96
8270B	DIMETHYL PHTHALATE	\$06013	Below MDL	350	ug/Kg	1.0	131-11-3	GC	09/23/96
8270B	ACENAPHTHYLENE	\$06013	Below MDL	350	ug/Kg	1.0	208-96-8	GC	09/23/96
8270B	2,6-DINITROTOLUENE	\$06013	Below MDL	350	ug/Kg	1.0	808-20-2	GC	09/23/96
8270B	3-NITROANILINE	\$06013	Below MDL	350	ug/Kg	1.0	99-08-2	GC	09/23/96
8270B	ACENAPHTHENE	\$06013	Below MDL	350	ug/Kg	1.0	83-32-9	GC	09/23/96
8270B	2,4-DINITROPHENOL	\$06013	Below MDL	1700	ug/Kg	1.0	51-28-5	GC	09/23/96
8270B	4-NITROPHENOL	\$06013	Below MDL	1700	ug/Kg	1.0	100-02-7	GC	09/23/96
8270B	DIBENZOFURAN	\$06013	Below MDL	350	ug/Kg	1.0	132-84-9	GC	09/23/96
8270B	2,4-DINITROTOLUENE	\$06013	Below MDL	350	ug/Kg	1.0	121-14-2	GC	09/23/96
8270B	DIETHYL PHTHALATE	\$06013	Below MDL	350	ug/Kg	1.0	84-68-2	GC	09/23/96
8270B	4-CHLOROPHENYL PHENYL ETHER	\$06013	Below MDL	350	ug/Kg	1.0	7005-72-3	GC	09/23/96
8270B	FLUORENE	\$06013	Below MDL	350	ug/Kg	1.0	86-73-7	GC	09/23/96
8270B	4-NITROANILINE	\$06013	Below MDL	350	ug/Kg	1.0	100-01-8	GC	09/23/96
8270B	2-METHYL-4,6-DINITROPHENOL	\$06013	Below MDL	1741	ug/Kg	1.0	534-52-1	GC	09/23/96
8270B	N-NITROSODIPHENYLAMINE	\$06013	Below MDL	350	ug/Kg	1.0	86-30-6	GC	09/23/96
8270B	4-BROMOPHENYL PHENYL ETHER	\$06013	Below MDL	350	ug/Kg	1.0	101-55-3	GC	09/23/96

Lab Sample ID AB39133
 Project # 8102
 Project Name HUNTER AAF
 Sampling Date/Time 09/18/96 17:30

Client Site # SOIL FROM WASTE OIL UST
 Client Sample # 8102-TK111-S1

METHOD	ANALYTE	TEST CODE	RESULT	MDL	UNITS	Dilution Factor	CAS #	ANALYST	DATE OF ANALYSIS
--------	---------	-----------	--------	-----	-------	--------------------	-------	---------	---------------------

Sample Comment Results are reported on a dry weight basis.

SEMI (GC/MS) SOIL

Prep Date 09/23/96

Batch 0923960004

8270B	HEXACHLOROBENZENE	\$06013	Below MDL	350	ug/Kg	1.0	118-74-1	GC	09/23/96
8270B	PENTACHLOROPHENOL	\$06013	Below MDL	1700	ug/Kg	1.0	87-86-5	GC	09/23/96
8270B	PHENANTHRENE	\$06013	Below MDL	350	ug/Kg	1.0	85-01-8	GC	09/23/96
8270B	ANTHRACENE	\$06013	Below MDL	350	ug/Kg	1.0	120-12-7	GC	09/23/96
8270B	DI-N-BUTYL PHTHALATE	\$06013	Below MDL	350	ug/Kg	1.0	84-74-2	GC	09/23/96
8270B	FLUORANTHENE	\$06013	Below MDL	350	ug/Kg	1.0	206-44-0	GC	09/23/96
8270B	PYRENE	\$06013	Below MDL	350	ug/Kg	1.0	129-00-0	GC	09/23/96
8270B	BUTYL BENZYL PHTHALATE	\$06013	Below MDL	350	ug/Kg	1.0	85-88-7	GC	09/23/96
8270B	3,3'-DICHLOROBENZIDINE	\$06013	Below MDL	700	ug/Kg	1.0	91-94-1	GC	09/23/96
8270B	BENZO(A)ANTHRACENE	\$06013	Below MDL	350	ug/Kg	1.0	56-55-3	GC	09/23/96
8270B	BIS(2-ETHYLHEXYL) PHTHALATE	\$06013	Below MDL	350	ug/Kg	1.0	117-81-7	GC	09/23/96
8270B	CHRYSENE	\$06013	Below MDL	350	ug/Kg	1.0	218-01-9	GC	09/23/96
8270B	DI-N-OCTYL PHTHALATE	\$06013	Below MDL	350	ug/Kg	1.0	117-84-0	GC	09/23/96
8270B	BENZO(B)FLUORANTHENE	\$06013	Below MDL	350	ug/Kg	1.0	205-99-2	GC	09/23/96
8270B	BENZO(K)FLUORANTHENE	\$06013	Below MDL	350	ug/Kg	1.0	207-08-9	GC	09/23/96
8270B	BENZO(A)PYRENE	\$06013	Below MDL	350	ug/Kg	1.0	50-32-8	GC	09/23/96
8270B	INDENO(1,2,3-CD)PYRENE	\$06013	Below MDL	350	ug/Kg	1.0	193-39-5	GC	09/23/96
8270B	DIBENZO(A,H)ANTHRACENE	\$06013	Below MDL	350	ug/Kg	1.0	53-70-3	GC	09/23/96
8270B	BENZO(G,H,I)PERYLENE	\$06013	Below MDL	350	ug/Kg	1.0	191-24-2	GC	09/23/96
8270B	CARBAZOLE	\$06013	Below MDL	350	ug/Kg	1.0	88-74-8	GC	09/23/96

AROMATIC VOC (GC) SOIL

Prep Date 09/26/96

Batch 0926960003

8020A	BENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	71-43-2	DTA	09/27/96
8020A	TOLUENE	\$08006	Below MDL	1.1	ug/Kg	1.0	108-88-3	DTA	09/27/96
8020A	ETHYLBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	100-41-4	DTA	09/27/96
8020A	XYLENES (TOTAL)	\$08006	Below MDL	1.1	ug/Kg	1.0	1330-20-7	DTA	09/27/96
8020A	CHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	108-90-7	DTA	09/27/96
8020A	1,2-DICHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	95-50-1	DTA	09/27/96
8020A	1,3-DICHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	541-73-1	DTA	09/27/96
8020A	1,4-DICHLOROBENZENE	\$08006	Below MDL	1.1	ug/Kg	1.0	108-46-7	DTA	09/27/96
8020A	TERT-METHYLBUTYL ETHER	\$08006	Below MDL	1.1	ug/Kg	1.0	1634-04-4	DTA	09/27/96

Prep Date 09/25/96

Batch 092596

418.1	TPH (FTIR) SOIL	08008	222.0	5.3	mg/Kg	1.0		JK	09/25/96
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Prep Date 09/30/96

Batch 093096

160.3	% TOTAL SOLIDS SOIL (N/C)	09099	94.8	0.1	%	1.0		CW	09/30/96
-------	---------------------------	-------	------	-----	---	-----	--	----	----------



Client Name and Address:

USACE - Savannah
Anderson-Columbia Env. Inc.
P O Box 1386
Lake City, FL 32056
Steve Clark Client ID 20100122

CHAIN OF CUSTODY

EcoS- Laboratory Services
A Division of EcoSys, Inc.
1412 Oakbrook Drive, Suite 105
Norcross, Georgia 30093
Phone 770-368-0636
Fax 770-368-0806

Project Name:

Hunter AAF

Copy To:

Sampler: Kevin P. Hoyle

KEP. Hoyle

Project #:

8102

Bid #:

DO 0102

Due Date:

9/30

Routine ☒ RUSH ☐
Note: Rush Charges May Apply

Lab Code - For Lab use only

Date Sampled

Time Sampled

Grab

Comp

Sample Number

Site Code

soil
water
solid other
non aqueous
liquid

Number of Containers

EcoSys Test Code/Name

8020

8270

418.1

8015 (GRO & DRO)

8015 (DRO)

Temperature

☐ Replacement Sampling Materials?

☐ Fax Report?

Remarks

Soil from Waste Oil UST

From Dispenser Island

From Dispenser Island

No.2 Fuel

Soil from Waste Oil UST

Soil from Waste Oil UST

Sample 9

9-18-96

1000

✓

✓

8102 MTK-98-51

Site Code

04000

3

✓

✓

✓

✓

✓

✓

✓

✓

Relinquished by:

Kevin P. Hoyle

Date/Time Relinquished

11/30/96

Relinquished by:

Steve Clark

Date/Time Received

9/30/96

Relinquished by:

Date/Time Relinquished

11/11/96

Relinquished by:

Date/Time Received

11/11/96

Relinquished by:

Date/Time Relinquished

11/11/96

Relinquished by:

Date/Time Received

11/11/96

Custody Seal

☐ NO

Entered into LIMS:

COC

Reviewed by:

Storage Location:

14

Ledger Number:

108287

Du

Date:

HELD: ☐ QC LEVEL 1 2 3 4

RELEASED: ☐ DRINKING WATER ☐ WASTE WATER ☒ OTHER

TEMP 40C

REMARKS:

TAB 9
MANIFESTS

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MANIFESTS

All soil excavated during UST removal activities was determined to meet the requirements of GUST-9 for use as backfill and was placed back into the excavation. Clean fill material was used to bring the excavated area back to grade (12 inches below ground surface) and then 4000 psi concrete was placed on the site to restore it to pre-excavation conditions (ie., UST was located in a motorpool covered with 12-inches of high strength concrete).

Therefore, there are no manifests associated with the removal of UST#111, Facility Identification Number 9-025107.

TAB 10

**HUNTER ARMY AIRFIELD
AREA MAP**

