

CLOSURE REPORT

**Waste Oil Tanks
Building 1720, Tanks #17, #19, #21, and #23
Facility ID #: 9-089011
Fort Stewart, Georgia**

Prepared by

Fort Stewart Directorate of Public Works, Environmental Branch

May 1997

Fort Stewart, Georgia
Underground Storage Tank Removal and Closure Report

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Prepared by

Fort Stewart Directorate of Public Works, Environmental Branch

Georgia Department of Natural Resources

Environmental Protection Division
Underground Storage Tank Management Program
4244 International Parkway, Suite 104, Atlanta, Georgia 30354
Lonice C. Barrett, Commissioner
Harold P. 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: Department of the Army
Phone Number: (912) 767-1234/2010
Company: 3d US ARMY
Address: HQ, 24th Infantry Division (Mechanized) & Ft Stewart
Fort Stewart GA 31314-5000
(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: _____ Date: _____

2. UST System Site Location:

Facility Name: Bldg 1720
Street Address: McFarland Avenue
Fort Stewart GA 31314-5000
(city) (state) (zip code)
Facility ID#: 9-089011

3. Contractor 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: Anderson Columbia Environmental, Inc
Address: P.O. Box 1386
Lake City, Florida 32056-1386

Signature: 2570 U Date: 3/27/96

4. Site-specific Hydrogeology:

Depth to Groundwater: 2.40 ft, if encountered (See Tab 6 for site specific data)

☐ Not Applicable

5. Site Map: Include the following items on an attached site map: (See Tab 5)

- Tank Pit Area
- Piping Trenches
- Dispensers
- Sewer Lines (if present)
- Water Lines
- Tanks with their ID#s, corresponding to the Notification Form 7530-1
- Sample Locations (with sample numbers and depths)
- Scale 1 in = 40 ft
- North Arrow

6. Tank Removal:

- Date of Removal: #17: 22 May 95; #19: 15 May 95; #21: 11 May 95; #23: 22 May 95

Tank #	Tank Size (gallons)	Tank Contents
17	2,000	Waste Oil
19	2,000	Waste Oil
21	2,000	Waste Oil
23	2,000	Waste Oil

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

- Attach Amended Notification Form 7530-1 (See Tab 6)
- Describe Soil Sampling Procedures (and groundwater, if encountered):
Sampling procedures for tank removal and groundwater
investigation provided in Tab 6.

7. Laboratory Analytical Data: The following items must be included on attached copies of the data:

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

8. Regulated Substance Released: Check the applicable box(es).

☐ Gasoline ☐ Diesel ☐ Kerosene ☐ Used Oil ☐ Other _____
Not applicable

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 0 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: Pond (Childen's Pond)
Distance to closest surface water body: mile(s) or 2500 feet

☐ Not Applicable

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.

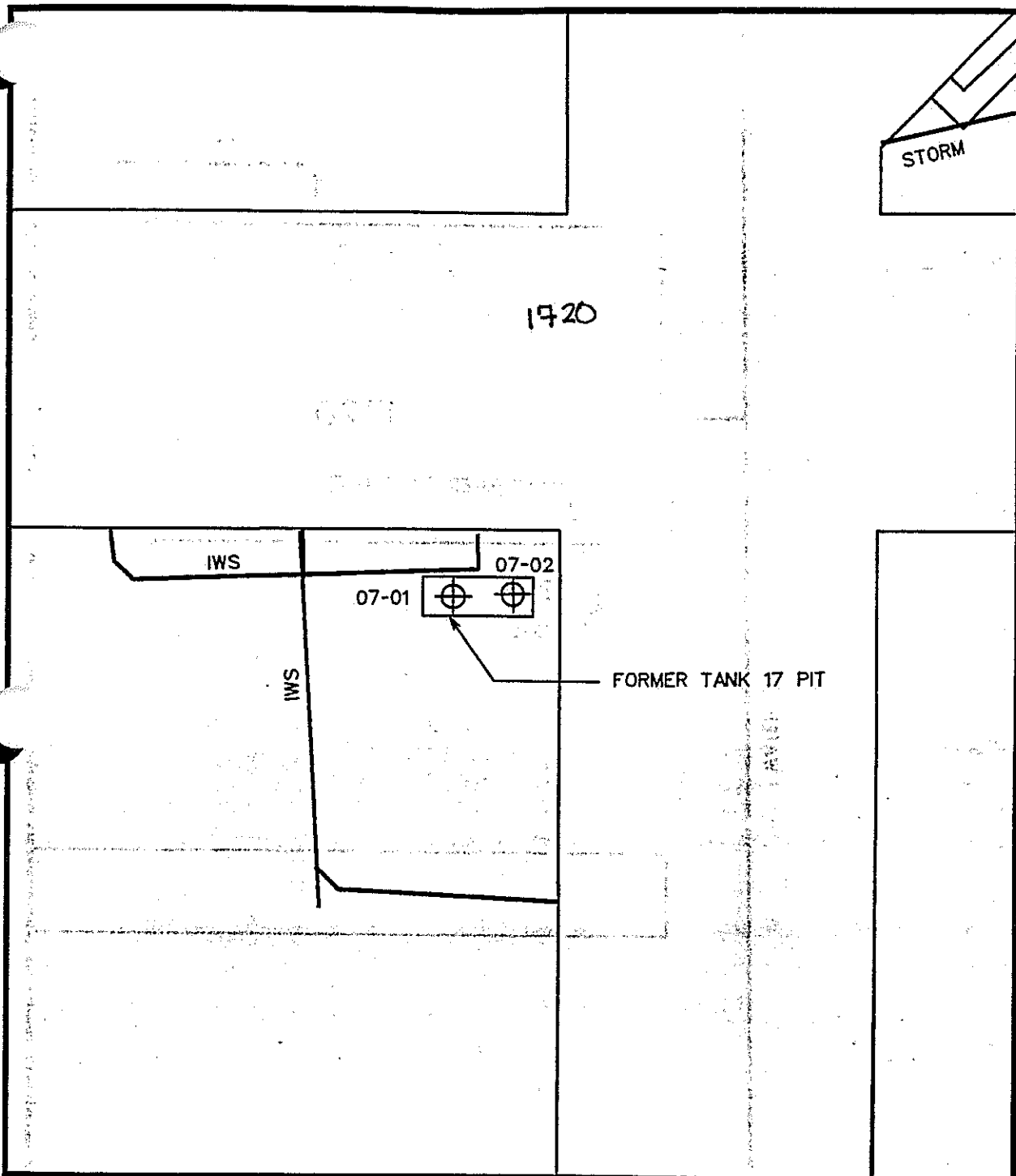
INFORMATION ON MAPS

MAPS #1a-1d: Provided to Installation by SAIC after groundwater investigation

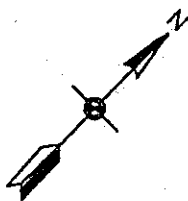
MAPS #2a-2b: Copied from Installation archives to show exact location of USTs in relation to one another and to show how systems were installed

MAPS #3a-3d: Provided to Installation by ACE after removal of USTS (Not to scale)

NOTE: These USTs were for waste oil storage and did NOT have dispensers, only a waste oil draw-off (see Map 2b).



SCALE: 1" = 40'

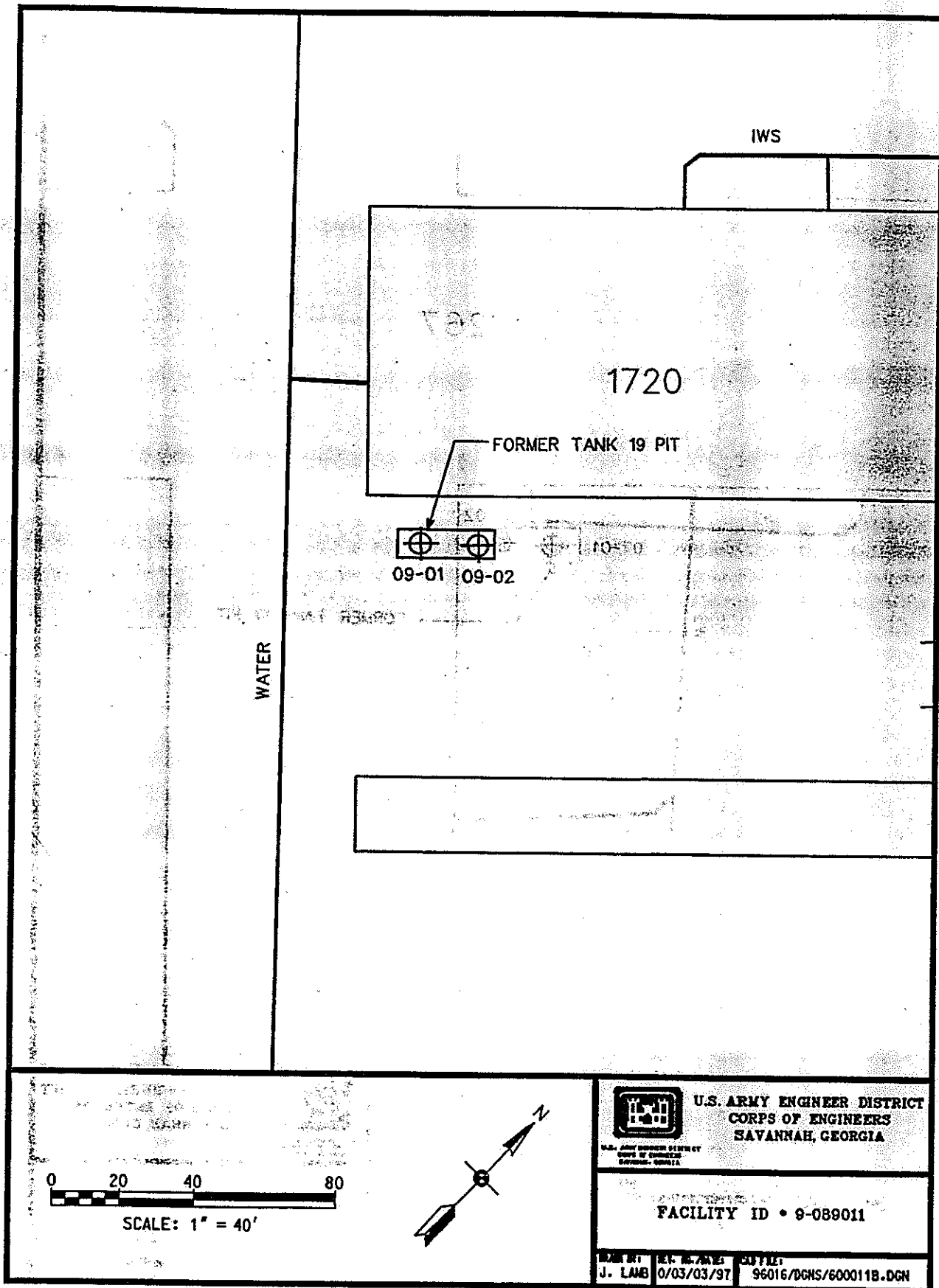


U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

FACILITY ID • 9-089011

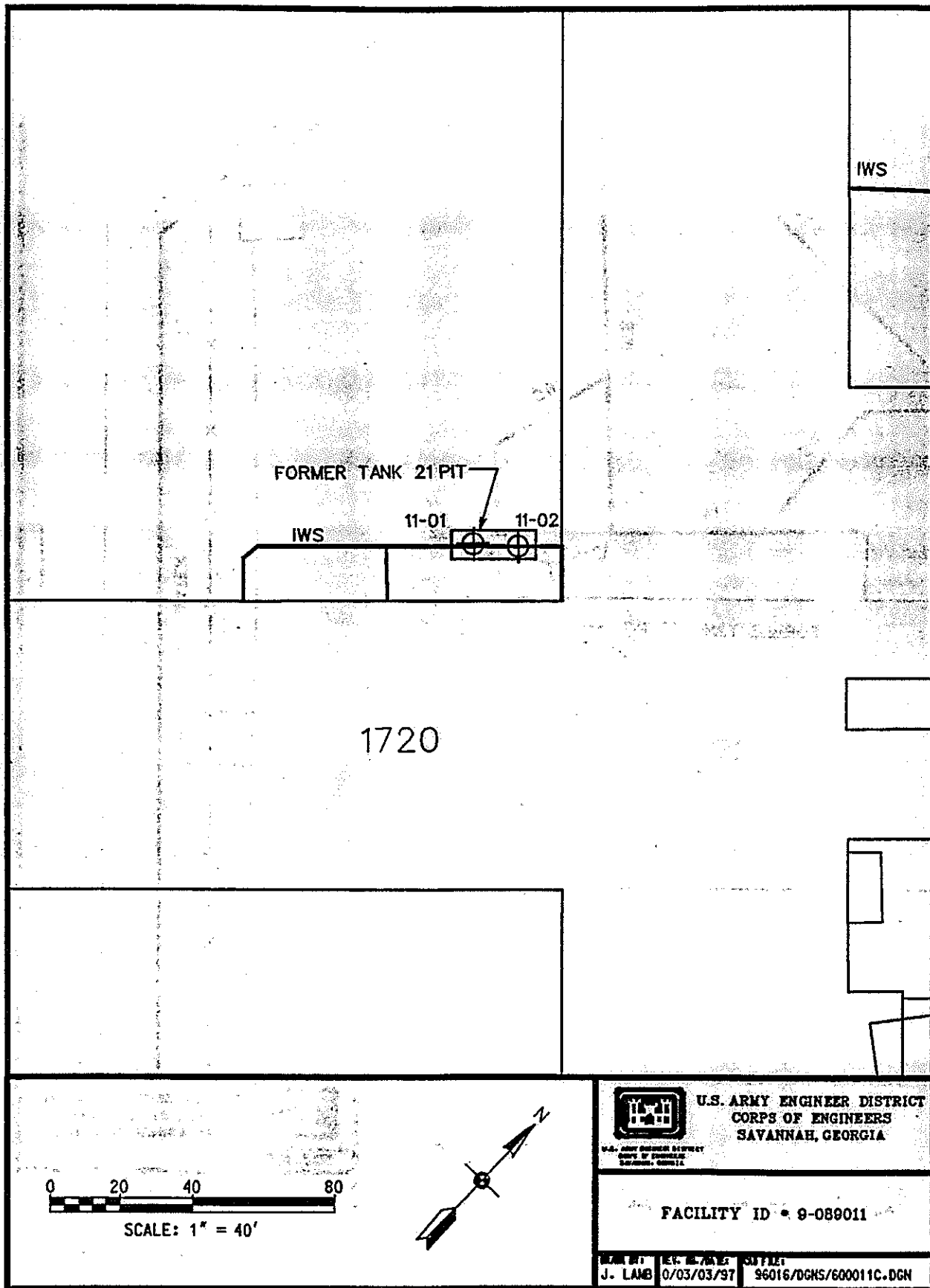
NAME:	DATE:	STATUS:
J. LAMB	0/03/03/97	96016/DGNS/600011A.DGN



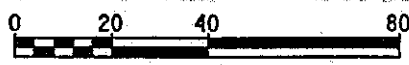
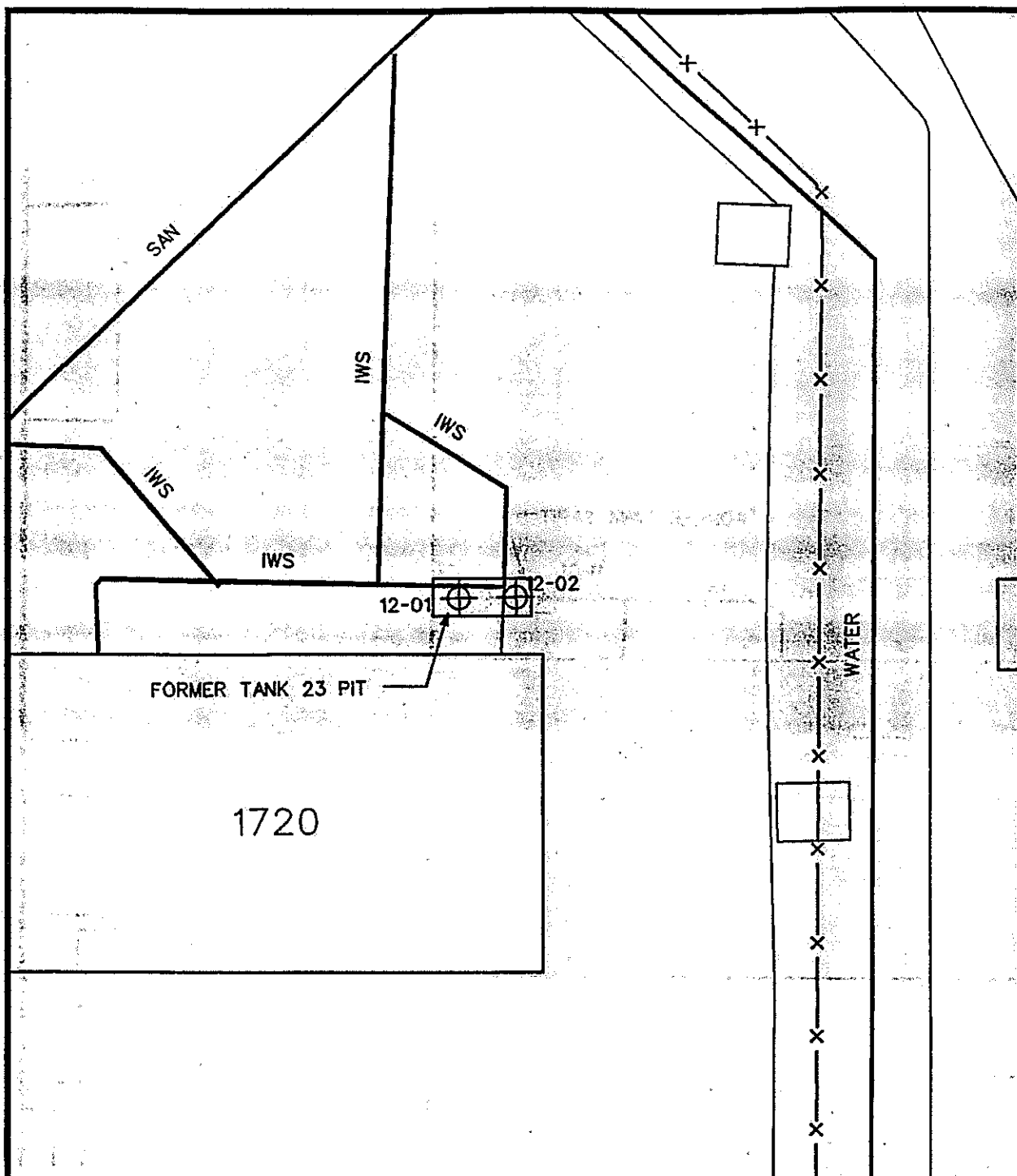
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

FACILITY ID • 9-089011

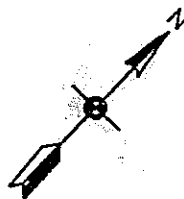
DATE BY	REVIEWED	COPY
J. LAMB	0/03/03/97	96016/DCNS/600011B.DGN



MAP #1c



SCALE: 1" = 40'



U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
SAVANNAH, GEORGIA

FACILITY ID • 9-0890011

NAME:	DATE:	SYMBOL:
J. LAMB	0/03/03/97	96016/DCMS/600011D.DGN

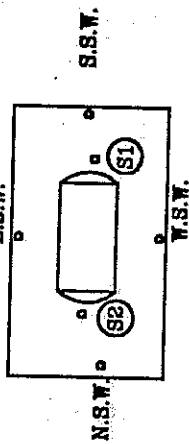
MAP #1d

□

23

22

21



TANK #17 - WASTE OIL

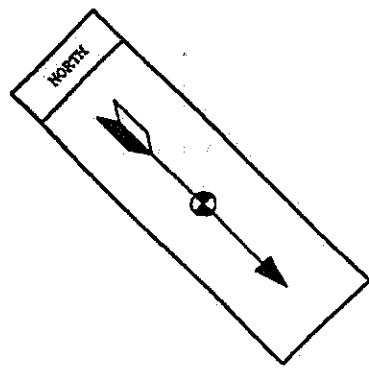
CONCRETE AREA

24

25

26

27



LEGEND/REF. DRWG.'S

TANK SIZES: 2,000 GAL. U.S.T.

TANK PIT DIMENSIONS:

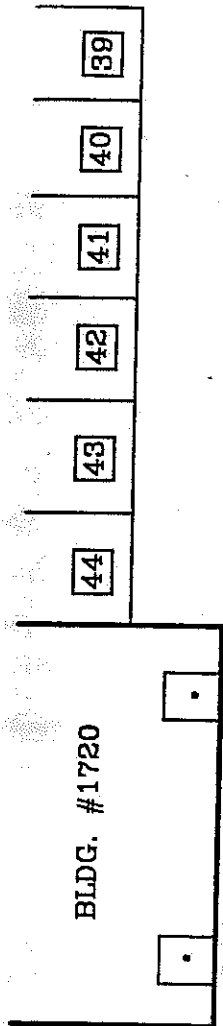
22' WIDTH, 20' LENGTH, 12' DEPTH

ANDERSON COLUMBIA
E V I R O N M E N T A L, I N C.
P.O. BOX 1386 LAKE CITY, FLORIDA 32056 (804) 755-1186

DR. N.A.M. CH'D DR. APP.
ENGR. ENGR.'S DEPT.
DATE 1-24-96 SCALE N.T.S.

JOB #8084 - FT. STEWART
BLDG. #1722
TANK #117

DRAWING NO.: 13



39

40

41

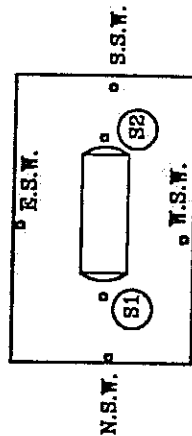
42

43

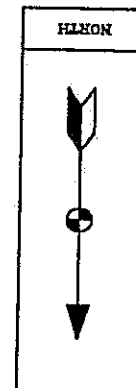
44

CONCRETE AREA

TANK #19 - WASTE OIL



CONCRETE AREA



LEGEND/REF. DRWG.'S

TANK SIZE: 2,000 GAL. U.S.T.

TANK PIT DIMENSIONS:

18' WIDTH, 21' LENGTH, 10' DEPTH

ANDERSON COLUMBIA
ENVIRONMENTAL INC.
P.O. BOX 1386 LAKE CITY, FLORIDA 32059 (804) 755-1196

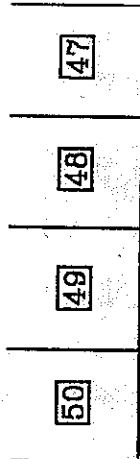
DR. N.A.M. CH'D DR. APP.
ENGR. ENGR.'S DEPT.
DATE 1-24-96 SCALE N.T.S.

JOB #8084 - FT. STEWART

BLDG. #1720

TANK #19

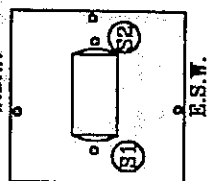
DRAWING NO.: 5



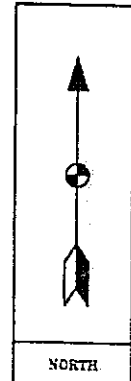
BLDG. #1720



TANK #21 - WASTE OIL



CONCRETE AREA



LEGEND/REF. DRWG.'S

TANK SIZES: 2,000 GAL. U.S.T.
TANK PIT DIMENSIONS:
19'-6" WIDTH, 22' LENGTH,
12' DEPTH

ANDERSON COLUMBIA
E V I R O N M E N T A L I N C.
P.O. BOX 1386 LAKE CITY, FLORIDA 32056 (904) 755-1186

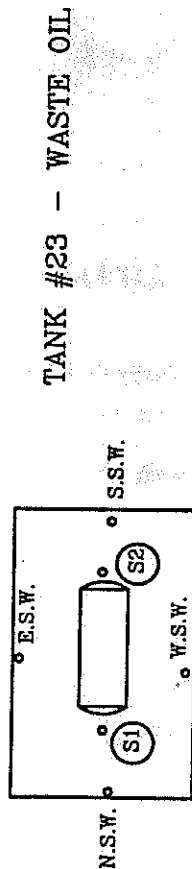
DR. N.A.M. CH'D DR. APP.
ENGR. ENGR.'S DEPT.
DATE 1-24-96 SCALE N.T.S.

JOB #8084 - FT. STEWART
BLDG. #1720
TANK #21

DRAWING NO.: 7

BLDG. #1720

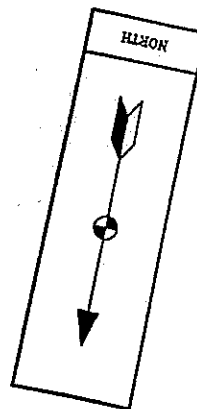
71	70	69	68	67	66	65
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TANK #23 - WASTE OIL

BLDG. #1725

CONCRETE AREA



LEGEND/REF. DRWG.'S

2000 gal Waste Oil

ANDERSON COLUMBIA
ENVIRONMENTAL INC.
P.O. BOX 1386 LAKE CITY, FLORIDA 32056 (804) 755-1186

DR. N.A.M. CH'D DR. APP.
ENGR. ENGR.'S DEPT.
DATE 1-12-96 SCALE N.I.S.

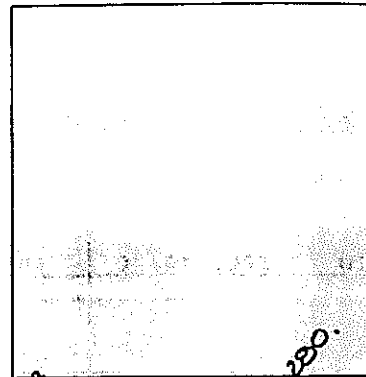
JOB #8084 - FT. STEWART
BLDG. #1720
TANK #23

DRAWING NO.: 14

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

state use only

Part I: Facility Data



*Tank 22 - no change
+288 ~ These have
since been removed too*

Tanks 17-21 + 23
~~Closure~~

*Tanks 25-28
Remove: 40 Oct 2000*

FACILITY ID NUMBER: 9-089011

OWNER'S ID: 197

INITIAL DATE RECEIVED: 05-06-1986

DATE AMENDED LAST:

NOTIFICATION TYPE: ☐ New

☒ Amended

~~Closure~~

OWNERSHIP OF TANK(S):

NUMBER OF TANK(S): 13

Name : US ARMY/FT STEWART

Mailing Address: HQ 24TH INF DIV (M), AFZP-DEV/BLDG 1139

City : FT STEWART

State : GA

Zip Code: 31314-5000

Phone: (912) 767-1071

County: LIBERTY

LOCATION OF TANK(S):

Name : FT STEWART/FAC 1720

Street Address: FAC 1720

City : FT STEWART

State : GA

Zip Code : 31314-5000

County: LIBERTY

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 : US ARMY/FT STEWART

Title: JOHN SPEAR/ENV ENG

Address: HQ 24TH INF DIV (M), AFZP-DEV/BLDG 1139

City : FT STEWART

State: GA

Zip Code: 31314-5000

Phone : (912) 767-1071

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089011	9-089011	9-089011	9-089011	9-089011
TANK ID	17	18	19	20	21
Status of Tank					
Currently In Use	X		X	X	X
Temp. Out of Use					
Perm. Out of Use	X	X	X	X	X
Date of Installation	01-01-1981	01-01-1981	01-01-1981	01-01-1981	01-01-1981
Age	14	14	14	14	14
Est. Total Capacity	2,000	2,000	2,000	2,000	2,000
Material of Construction					
Asphalt or Bare Steel					
Cath. Protected Steel					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.	X	X	X	X	X
Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, explanation					
Date Tank Repaired					
Coating Material					
Bare Steel					
Galvanized Steel	X	X	X	X	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	X	X	X	X
Propane					
Empty					
Other, explanation					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK
Part II: Tank Data

FACILITY ID	9-089011	9-089011	9-089011	9-089011	9-089011
TANK ID	17	18	19	20	21
Substance Stored in Tank					
Hazardous Substance					
CERCLA Name					
CAS Number					
Mixture					
Mixture Specification					
Out of Use/Change Service	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
Est. Date Last Used	04-95	08-94	04-95	04-95	04-95
Est. Date Closed	5-22-95	12-08-95	5/15/95		5/11/95
Removed from Ground					
Closed in Ground					
Filled with Inert Mat.					
Change in Service					
Site Assessment Compl.					
Leak Detected					
Installation					
Certified by Mfg					
Certified by Imple Agn.					
Inspected by Engineer					
Checklists Completed					
Another Allowed Method					
Method Description	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
Release Detection					
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					
Company					
Date					

**STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK**

Part II: Tank Data

FACILITY ID	9-089011	9-089011	9-089011	9-089011	9-089011
TANK ID	22	23	24	25	26
Status of Tank					
Currently In Use	X	X	X	X	X
Temp. Out of Use					
Perm. Out of Use		X			
Date of Installation	01-01-1981	01-01-1981	01-01-1981	01-01-1981	01-01-1981
Age	14	14	14	14	14
Est. Total Capacity	2,000	2,000	2,000	4,000	4,000
Material of Construction					
Asphalt or Bare Steel					
Cath. Protected Steel					
Epoxy Coated Steel					
Composite					
Fiberglass Reinf. Plas.	X	X	X		
Lined Interior					
Double Walled					
Poly. Tank Jacket					
Concrete					
Excavation Liner				X	X
Unknown					
Other, explanation					
Date Tank Repaired					
Piping Material					
Bare Steel					
Galvanized Steel	X	X	X	X	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	X	X		
Propane					
Empty					
Other, explanation					

REMOVED FROM REGULATED LIST SEE X

* TANKS 25 THRU 28 ARE PART OF WASTE WATER TREATMENT SYSTEM AND ARE FLUID THROUGH VESSELS, P.C.

**STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK**

Part II: Tank Data

FACILITY ID	9-089011	9-089011	9-089011	9-089011	9-089011
TANK ID	22	23	24	25	26
Substance Stored in Tank					
Hazardous Substance					
CERCLA Name					
CAS Number					
Mixture					
Mixture Specification					
Out of Use/Change Service					
	Tank	Piping	Tank	Piping	Tank
Est. Date Last Used			04-95		
Est. Date Closed			5/22/95		
Removed from Ground			X		
Closed in Ground					
Filled with Inert Mat.					
Change in Service					
Site Assessment Compl.					
Leak Detected					
Installation					
Certified by Mfg					
Certified by Imple Agn.					
Inspected by Engineer					
Checklists Completed					
Other Allowed Method					
Method Description					
Release Detection					
	Tank	Piping	Tank	Piping	Tank
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					
Company					
Address					

REMOVE
FROM REG LIST
SEE *

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089011	9-089011	9-089011
TANK ID	27	28	28B
Status of Tank			
Currently In Use			
Temp. Out of Use	X	X	X
Perm. Out of Use			
Date of Installation	01-01-1981	01-01-1981	01-01-1987
Age	14	14	8
Est. Total Capacity	4,000	8,000	2,000
Material of Construction			
Asphalt or Bare Steel			
Cath. Protected Steel			
Epoxy Coated Steel			
Composite			
Fiberglass Reinf. Plas.			
Lined Interior			
Double Walled			X
Poly. Tank Jacket			
Concrete			
Excavation Liner	X	X	
Unknown			
Other, explanation			
Date Tank Repaired			
Material			
Steel			
Galvanized Steel			
Fiberglass	X	X	X
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			
Propane			X
Other, explanation	OIL/WATER SEP	OIL/WATER SEP	

*Remove from List See **

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:

JOHN H. SPEARS

Chief, Environmental Branch

Owner Name

Title

Owner's Signature

Date

TAB 6
FIELD ASSESSMENT METHODS (Groundwater Investigation)

The groundwater investigation at the site included the following activities:

1. Drill two soil boreholes located within the former tank pit down to the local water table using a hollow-stem auger rig. In cases where two USTs are present at a site, drill one soil borehole near the center of each former tank pit.
2. Continuously collect soil samples from 2.5 foot intervals during borehole drilling and perform field headspace gas analysis on each sample to determine organic vapor concentration.
3. Select soil samples for laboratory analysis according to the criteria noted below for each borehole drilled. Chemical parameters for soil samples submitted for laboratory analysis included BTEX, PAH, and TPH.

In boreholes where organic vapors were detected, collect 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.

In boreholes where no organic vapors were detected, collect no soil samples for chemical analysis.

4. Upon reaching the water table, collect one groundwater sample from each borehole using a Hydropunch II or similar sampling device. Chemical parameters for groundwater samples submitted for laboratory analysis included BTEX and PAH.

GROUNDWATER DEPTH MEASUREMENTS AND CALCULATED GROUNDWATER ELEVATIONS

Tank	Borehole	Water Level Depth	Ground Surface Elevation	Water Level Elevation
17	07-01	3.42 feet BGS	71.39 feet MLS	67.97 feet MLS
	07-02	3.24 feet BGS	71.64 feet MLS	68.40 feet MLS
19	09-01	2.92 feet BGS	71.07 feet MLS	68.15 feet MLS
	09-02	2.40 feet BGS	71.08 feet MLS	68.68 feet MLS
21	11-01	3.02 feet BGS	71.25 feet MLS	68.23 feet MLS
	11-02	3.24 feet BGS	71.78 feet MLS	68.54 feet MLS
23	12-01	5.32 feet BGS	73.28 feet MLS	67.96 feet MLS
	12-02	5.41 feet BGS	73.24 feet MLS	67.83 feet MLS

TAB 6

FIELD ASSESSMENT METHODS (Tank Removal)

SOIL SAMPLES

At each former UST site, soil samples for analytical testing were collected by Anderson Columbia Environmental, Inc. (ACE) personnel two (2) feet below both ends of the excavated tank and from the sidewalls of the former tank pit. Soil samples were collected into 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, James H. Carr & Associates, Inc., Environmental Services, located in Columbia, South Carolina.

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.

LABORATORY ANALYTICAL RESULTS

Analytical results for each UST with the corresponding data validation and chain of custody is provided for your use and convenience. Each UST site has been subdivided into it's own section and includes the analytical results from the groundwater investigation (Fall 1996) followed by the analytical results from the UST removal (Spring 1995). All contaminants detected above their respective detection limits have been highlighted.

NOTE: Maps 1a-1d, included in Tab 5, indicate sampling locations for the groundwater investigation. Maps 3a-3d, also included in Tab 5, indicate sampling locations from the tank removals.

Investigation: 07

Station	07-01	07-02
Sample ID	0701B1	0702B1
Date Collected	9/10/96	9/10/96
Depth	2.5 - 5.0 FT	2.5 - 5.0 FT
GDNR Level	MG/KG	MG/KG
Polynuclear Aromatic Hydrocarbons	NA	0.399 U
2-Chloronaphthalene	NA	0.399 U
Acenaphthene	NA	0.399 U
Acenaphthylene	NA	0.399 U
Anthracene	NA	0.399 U
Benzo(a)anthracene	NA	0.399 U
Benzo(a)pyrene	NA	0.399 U
Benzo(b)fluoranthene	NA	0.399 U
Benzo(k)fluoranthene	NA	0.399 U
Chrysene	NA	0.399 U
Dibenz(a,h)anthracene	NA	0.399 U
Fluoranthene	NA	0.399 U
Fluorene	NA	0.399 U
Indeno(1,2,3-cd)pyrene	NA	0.399 U
Naphthalene	NA	0.399 U
Phenanthrene	NA	0.399 U
Pyrene	NA	0.399 U
Petroleum Hydrocarbons	GDNR Level	MG/KG
Total Petroleum Hydrocarbons	NRC	77.5 J
Volatiles	GDNR Level	MG/KG
Benzene	0.008	0.0056 U
Ethylbenzene	10	0.0056 U
Toluene	6	0.0056 U
Xylenes, Total	700	0.0059 =

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

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

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

= - Indicates the compound was detected at the concentration reported

Soil Analytical Results for the
Facility ID #9-089011, UST 17, Site Investigation

Investigation: 07

Station 07-01 07-02
Sample ID 0701W2 0702W2Date Collected 9/10/96 9/10/96
Depth 5.0 - 8.0 FT 5.0 - 8.0 FT

EPA MCL

Polynuclear Aromatic Hydrocarbons	UG/L	UG/L
2-Chloronaphthalene	NA	10 U
Acenaphthene	NA	10 U
Acenaphthylene	NA	10 U
Anthracene	NA	10 U
Benzo(a)anthracene	NA	10 U
Benzo(a)pyrene	0.2	10 U
Benzo(b)fluoranthene	NRC	10 U
Benzo(g,h,i)perylene	NA	10 U
Benzo(k)fluoranthene	NRC	10 U
Chrysene	NRC	10 U
Dibenz(a,h)anthracene	NRC	10 U
Fluoranthene	NA	10 U
Fluorene	NA	10 U
Indeno(1,2,3-cd)pyrene	NRC	10 U
Naphthalene	NA	10 U
Phenanthrene	NA	10 U
Pyrene	NA	10 U
Volatiles Organics	UG/L	UG/L
Benzene	5	5 U
Ethylbenzene	700	5 U
Toluene	1000	5 U
Xylenes, Total	10000	5 U

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

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

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

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

Groundwater Analytical Results for the
Facility ID #9-089011, UST 17, Site Investigation

Page 2 of 2

CHAIN OF CUSTODY RECORD

COC NO.: G0047

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Sevege Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 556-8171	
Sample (Signature) <i>John H. H.</i>				OIA SCREENING										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Date Collected				Time Collected				Matrix				No. of Bottles/Vials			
9/10/96				10:40				SOIL				2		228-07 .6	
9/10/96				09:15				SOIL				2		228-08 ↓	
9/10/96				09:10				SOIL				3		226-12 .5	
9/10/96				09:10				SOIL				2		-13	
9/10/96				11:05				SOIL				2		-14	
9/10/96				14:20				SOIL				2		-15	
9/10/96				16:20				SOIL				2		-16	
9/10/96				12:45				SOIL				2		-17	
9/10/96				15:15				SOIL				2		228-09 .6	
9/10/96				14:50				SOIL				2		226-18 .5	
9/10/96				13:50				SOIL				2		-19 .5	
9/10/96				5:25 9/12/96											
RECEIVED BY: <i>[Signature]</i>				Date/Time: 9/12/96				RECEIVED BY: <i>[Signature]</i>				Date/Time: 9/12/96			
COMPANY NAME: SAIC				1700				COMPANY NAME: GEL				TOTAL NUMBER OF CONTAINERS: 48			
RECEIVED BY:				Date/Time:				RELINQUISHED BY:				Cooler Temperature: 30			
COMPANY NAME:				Date/Time:				COMPANY NAME:				Cooler ID: #202			
RECEIVED BY: <i>[Signature]</i>				Date/Time: 9-12-96				RECEIVED BY: <i>[Signature]</i>				Date/Time: 1300			
COMPANY NAME:				Date/Time:				COMPANY NAME:							

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

Name:

Contract:

0701B1

Code:

Case No.:

SAS No.:

SDG No.: 69226S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609226-14

Sample wt/vol: 30.6 (g/mL) g

Lab File ID: 1M171

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: 11 decanted: (Y/N) N

Date Extracted: 09/20/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/24/96

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	367	U
91-58-7-----	2-chloronaphthalene	367	U
209-96-8-----	acenaphthylene	367	U
83-32-9-----	acenaphthene	367	U
86-73-7-----	fluorene	367	U
85-01-8-----	phenanthrene	367	U
120-12-7-----	anthracene	367	U
206-44-0-----	fluoranthene	367	U
129-00-0-----	pyrene	367	U
56-55-3-----	benzo (a) anthracene	367	U
218-01-9-----	chrysene	367	U
205-99-2-----	benzo (b) fluoranthene	367	U
207-08-9-----	benzo (k) fluoranthene	367	U
50-32-8-----	benzo (a) pyrene	367	U
193-39-5-----	indeno (1,2,3-cd) pyrene	367	U
53-70-3-----	dibenz (a,h) anthracene	367	U
191-24-2-----	benzo (g,h,i) perylene	367	U

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0702B1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69226S

Matrix: (soil/water) SOIL Lab Sample ID: 9609226-13

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2A718

% Moisture: 18 decanted: (Y/N) N Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: (uL) Date Analyzed: 09/22/96

Injection Volume: (uL) Dilution Factor: 1.0

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

CAS NO.

COMPOUND

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

Q

71-43-2-----Benzene	6.1	U
108-88-3-----Toluene	8.5	
100-41-4-----Ethylbenzene	6.1	U
1330-20-7-----Xylenes (total)	10	

DATA VALIDATION
COPY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 26, 1996

Page 1 of 2

Sample ID : 0702B1
Lab ID : 9609226-13
Matrix : Soil
Date Collected : 09/10/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	VOL SUAL	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		18.0		1.00	1.00	wt%	1.0	DDT	09/23/96	1540	90959	1
General Chemistry												
Al Rec. Petro. Hydrocarbons	U	7.69	UT P#1	8.25	12.2	mg/kg	1.0	EAN	09/19/96	1100	90769	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

02358



9609226-13



800 One N. Main, Suite 100, Fort Stewart, GA 31314

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FROM

09.12.1996 12:37

P.12

COC NO.: 66651

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart IUST Site				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Porter														PHONE NO: (803) 556-8171	
Sample (Signature): <i>Chris Porter</i>				OIA SCHEDULING										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTX, GAO	BTX	PAH, Lead, DNO	PAH	Lead	DNO	TPH, LEAD, TPH	TPH, DPA	TPH	No. of Bottles/Vials		
TR0028	9/11/96	8:30	WATER										2	N/A	002-14
100206	9/11/96	17:50											2	N/A	-15
430205	9/11/96	13:45											2	N/A	-16
17021W2	9/11/96	13:40											2	nd rec'd	-17
46021W2	9/11/96	10:50											2	0 ppm	-18
46022W2	9/11/96	09:40											2	nd rec'd	-19
46022W4	9/11/96	09:40											2	0 ppm	-20
TI00030	9/11/96	8:30											2	N/A	9609223-01
4502W2	9/11/96	15:00											2	0 ppm	-02
5504RS	9/11/96	13:50											2	N/A	-03
TR0026	9/11/96	07:30											2	N/A	-04
0701W2	9/11/96	11:35											2	154.5 ppm	-05
TR0027	9/11/96	07:30											2	N/A	-06

RECEIVED BY: <i>Chris Porter</i>		TOTAL NUMBER OF CONTAINERS:		Cooler ID: <i>96651</i>		Cooler Temperature:	
Date/Time	Signature	Date/Time	Signature	Date/Time	Signature	Date/Time	Signature
9/11/96	<i>Chris Porter</i>	9/12/96	<i>Chris Porter</i>	9/12/96	<i>Chris Porter</i>	9/12/96	<i>Chris Porter</i>
13:00		17:00		17:00		17:00	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		COMPANY NAME: SAIC		COMPANY NAME: SAIC	
RECEIVED BY: <i>Chris Porter</i>		RECEIVED BY: <i>Chris Porter</i>		RECEIVED BY: <i>Chris Porter</i>		RECEIVED BY: <i>Chris Porter</i>	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		COMPANY NAME: SAIC		COMPANY NAME: SAIC	
RECEIVED BY: <i>Chris Porter</i>		RECEIVED BY: <i>Chris Porter</i>		RECEIVED BY: <i>Chris Porter</i>		RECEIVED BY: <i>Chris Porter</i>	
COMPANY NAME: SAIC		COMPANY NAME: SAIC		COMPANY NAME: SAIC		COMPANY NAME: SAIC	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0701W2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69223W

Matrix: (soil/water) WATER Lab Sample ID: 9609223-05

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A304

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. DATA VALIDATION COPY Date Analyzed: 09/18/96

GC Column: DB624 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/l Q

71-43-2-----	benzene	5.0	U	u
108-88-3-----	toluene	S.O. 0.55	JB	u, Fd, Fd
100-41-4-----	ethylbenzene	5.0	U	u
1330-20-7-----	xylene (total)	5.0	U	u

USE

MKL
1/7/97

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0702W2

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69223W

Matrix: (soil/water) WATER Lab Sample ID: 9609223-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A219

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. Date Analyzed: 09/17/96

GC Column: DB624 ID: 0.53 (mm) Dilution Factor: 1.0

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

DATA VALIDATION
COPY

CAS NO.

COMPOUND

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

Q

71-43-2-----	benzene	5.0	U
108-88-3-----	toluene	5.0	JB
100-41-4-----	ethylbenzene	5.0	U
1330-20-7-----	xylene (total)	5.0	U

u
u, F01, F06
u
u

MAP
11/7/97

FORM I VOA

OLM03.0

Page 1 of 2

COC NO.: G0046

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart LST 8800				REQUESTED PARAMETERS										LABORATORY NAME: GEL			
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417			
PROJECT MANAGER: Chris Pochter														PHONE NO: (803) 556-8171			
Sample (Signature): <i>Shawn J. Jones</i>														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS			
Sample ID	Date Collected	Time Collected	Matrix	BTX, DMO	BTX	PAH, Lead, DMO	PAH	Lead	DMO	TM, LEND, TPH	PH, TPH	PAH, DRO	TPH	No. of Bottles/Vials	OVA SCREENING		
56022E3	9/10/96	1443	SOIL											2	0	ppm	226-03 .5
56033E1	9/10/96	1443	SOIL											2	0	ppm	-04 .1
56042B1	9/10/96	1320	SOIL											2	132	ppm	-05
56051B1	9/10/96	1435	SOIL											2	SP44	ppm	-06
56061A1	9/10/96	1435	SOIL											2	SP44	ppm	228-03 .6
56071B1	9/10/96	1440	SOIL											2	SP44	ppm	226-07 .5
56084D1	9/10/96	1475	SOIL											2	0	ppm	-08
56094A1	9/10/96	1410	SOIL											2	13	ppm	228-04 .6
56103B1	9/10/96	1155	SOIL											2	0	ppm	228-05
56113C1	9/10/96	1145	SOIL											2	0	ppm	226-09 .5
56122D1	9/10/96	1545	SOIL											2	0	ppm	226-10
56132B1	9/10/96	1530	SOIL											2	0	ppm	228-06 .6
56141C1	9/10/96	1645	SOIL											2	240	ppm	226-11 .5
RELINQUISHED BY: <i>Shawn J. Jones</i>				RECEIVED BY: <i>TS L. L. L. L. L.</i>				Date/Time: 9/12/96				TOTAL NUMBER OF CONTAINERS: 48				Cooler Temperature: 30	
COMPANY NAME: <i>SHIL</i>				COMPANY NAME:				Date/Time: 1517				Cooler ID: #202					
RECEIVED BY:				RELINQUISHED BY:				Date/Time:									
COMPANY NAME:				COMPANY NAME:				Date/Time:									
RELINQUISHED BY:				RECEIVED BY:				Date/Time:									
COMPANY NAME:				COMPANY NAME:				Date/Time:									

AMES H. CARR & ASSOCIATES, INC.

Environmental Services

919 True Street ■ P.O. Box 90209 ■ Columbia, SC 29290
(803) 776-7789 ■ (800) 435-3995 ■ FAX (803) 783-2192

FINAL REPORT OF ANALYSES

ANDERSON COLUMBIA ENVIRON., INC
P.O. Box 1386
Lake City, FL 32056
Attn: Mr. David Black

REPORT DATE: 06/14/95
PROJECT NAME- Ft. Stewart 5/24

SAMPLE ID- #17-T1-S2
LOCATION- FT. Stewart
SAMPLE NUMBER- 7201
SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
TIME SAMPLED- 1310
DATE RECEIVED- 05/24/95
TIME RECEIVED- 1300
DELIVERED BY- Grayhound
RECEIVED BY- RM
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	88.1 %	0.01		05/31/95		
PET. HYDROCARBONS-OIL	45.2 mg/Kg	11.4	06/02/95	06/08/95	9071	
ATILE ORGANIC COMPOUNDS				06/01/95	8020	
BENZENE	<2.27 ug/Kg	2.27				2
TOLUENE	<2.27 ug/Kg	2.27				2
CHLOROBENZENE	<2.27 ug/Kg	2.27				2
M,P-XYLENES	<4.54 ug/Kg	4.54				2
O-XYLENES	<2.27 ug/Kg	2.27				2
ETHYL BENZENE	<2.27 ug/Kg	2.27				2
1,2-DICHLOROBENZENE	<2.27 ug/Kg	2.27				2
1,3-DICHLOROBENZENE	<2.27 ug/Kg	2.27				2
1,4-DICHLOROBENZENE	<2.27 ug/Kg	2.27				2
SURROGATE BROMOFLUOROBENZENE	67 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	89 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1870 ug/Kg	1870				5
ACENAPHTHYLENE	<1870 ug/Kg	1870				5
ACENAPHTHENE	<1870 ug/Kg	1870				5
FLUORENE	<1870 ug/Kg	1870				5
PHENANTHRENE	<1870 ug/Kg	1870				5
ANTHRACENE	<1870 ug/Kg	1870				5
FLUORANTHENE	<1870 ug/Kg	1870				5
PIRENE	<1870 ug/Kg	1870				5
10(A)ANTHRACENE	<1870 ug/Kg	1870				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 7201

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
CHRYSENE	<1870 ug/Kg	1870				5
BENZO(B)FLUORANTHENE	<1870 ug/Kg	1870				5
BENZO(K)FLUORANTHENE	<1870 ug/Kg	1870				5
BENZO(A)PYRENE	<1870 ug/Kg	1870				5
INDENO(1,2,3-CD)PYRENE	<1870 ug/Kg	1870				5
DIBENZ(A,H)ANTHRACENE	<1870 ug/Kg	1870				5
BENZO(G,H,I)PERYLENE	<1870 ug/Kg	1870				5
SURROGATE 2-FLUOROBIPHENYL	69.0 % Recovery					
SURROGATE O-TERPHENYL	77.0 % Recovery					

SAMPLE ID- #17-T1-S1
LOCATION- FT. Stewart
SAMPLE NUMBER- 7202
SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
TIME SAMPLED- 1320
DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
DELIVERED BY- Greyhound
RECEIVED BY- RM
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SOLIDS	78.6 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	31.4 mg/Kg	12.7	06/02/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/01/95	8020	
BENZENE	<2.54 ug/Kg	2.54				2
TOLUENE	<2.54 ug/Kg	2.54				2
CHLOROBENZENE	<2.54 ug/Kg	2.54				2
M,P-XYLENES	<5.09 ug/Kg	5.09				2
O-XYLENES	<2.54 ug/Kg	2.54				2
ETHYL BENZENE	<2.54 ug/Kg	2.54				2
1,2-DICHLOROBENZENE	<2.54 ug/Kg	2.54				2
1,3-DICHLOROBENZENE	<2.54 ug/Kg	2.54				2
1,4-DICHLOROBENZENE	<2.54 ug/Kg	2.54				2
SURROGATE BROMOFLUOROBENZENE	75 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	89 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					

POLYNUCLEAR AROMATIC HYDROCARB

NAPHTHALENE	<2100 ug/Kg	2100	06/02/95	06/08/95	8100	5
ACENAPHTHYLENE	<2100 ug/Kg	2100				5
ACENAPHTHENE	<2100 ug/Kg	2100				5
FLUORENE	<2100 ug/Kg	2100				5
PHENANTHRENE	<2100 ug/Kg	2100				5
TRACENE	<2100 ug/Kg	2100				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 7202

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORANTHENE	<2100 ug/Kg	2100				5
PYRENE	<2100 ug/Kg	2100				5
BENZO(A)ANTHRACENE	<2100 ug/Kg	2100				5
CHRYSENE	<2100 ug/Kg	2100				5
BENZO(B)FLUORANTHENE	<2100 ug/Kg	2100				5
BENZO(K)FLUORANTHENE	<2100 ug/Kg	2100				5
BENZO(A)PYRENE	<2100 ug/Kg	2100				5
INDENO(1,2,3-CD)PYRENE	<2100 ug/Kg	2100				5
DIBENZ(A,H)ANTHRACENE	<2100 ug/Kg	2100				5
BENZO(G,H,I)PERYLENE	<2100 ug/Kg	2100				5
SURROGATE 2-FLUOROBIPHENYL	106 % Recovery	2100				5
SURROGATE O-TERPHENYL	147 % Recovery					

SAMPLE ID- #17-E.S.W.

LOCATION- FT. Stewart

SAMPLE NUMBER- 7203

SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95

TIME SAMPLED- 1325

DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300

DELIVERED BY- Greyhound

RECEIVED BY- RM

SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	87.1 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	<11.5 mg/Kg	11.5	06/02/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/01/95	8020	
BENZENE	<2.30 ug/Kg	2.30				2
TOLUENE	<2.30 ug/Kg	2.30				2
CHLOROBENZENE	<2.30 ug/Kg	2.30				2
M,P-XYLENES	<4.59 ug/Kg	4.59				2
O-XYLENES	<2.30 ug/Kg	2.30				2
ETHYL BENZENE	<2.30 ug/Kg	2.30				2
1,2-DICHLOROBENZENE	<2.30 ug/Kg	2.30				2
1,3-DICHLOROBENZENE	<2.30 ug/Kg	2.30				2
1,4-DICHLOROBENZENE	<2.30 ug/Kg	2.30				2
SURROGATE BROMOFLUOROBENZENE	60 % Recovery					2
SURROGATE aaa-TRIFLUOROTOLUENE	86 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1890 ug/Kg	1890				5
ACENAPHTHYLENE	<1890 ug/Kg	1890				5
PHANTHRENE	<1890 ug/Kg	1890				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 7203

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORENE	<1890 ug/Kg	1890				5
PHENANTHRENE	<1890 ug/Kg	1890				5
ANTHRACENE	<1890 ug/Kg	1890				5
FLUORANTHENE	<1890 ug/Kg	1890				5
PYRENE	<1890 ug/Kg	1890				5
BENZO(A)ANTHRACENE	<1890 ug/Kg	1890				5
CHRYSENE	<1890 ug/Kg	1890				5
BENZO(B)FLUORANTHENE	<1890 ug/Kg	1890				5
BENZO(K)FLUORANTHENE	<1890 ug/Kg	1890				5
BENZO(A)PYRENE	<1890 ug/Kg	1890				5
INDENO(1,2,3-CD)PYRENE	<1890 ug/Kg	1890				5
DIBENZ(A,H)ANTHRACENE	<1890 ug/Kg	1890				5
BENZO(G,H,I)PERYLENE	<1890 ug/Kg	1890				5
SURROGATE 2-FLUOROBIPHENYL	80.0 % Recovery					5
SURROGATE O-TERPHENYL	98.0 % Recovery					5

SAMPLE ID- #17-W.S.W.

LOCATION- FT. Stewart

LABORATORY NUMBER- 7204

SAMPLE MATRIX- SOIL

TIME RECEIVED- 1300

DELIVERED BY- Greyhound

RECEIVED BY- RM

DATE SAMPLED- 05/22/95 DATE RECEIVED- 05/24/95

SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	87.2 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	<11.5 mg/Kg	11.5	06/02/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/01/95	8020	
BENZENE	<2.29 ug/Kg	2.29				2
TOLUENE	<2.29 ug/Kg	2.29				2
CHLOROBENZENE	<2.29 ug/Kg	2.29				2
M,P-XYLENES	<4.59 ug/Kg	4.59				2
O-XYLENES	<2.29 ug/Kg	2.29				2
ETHYL BENZENE	<2.29 ug/Kg	2.29				2
1,2-DICHLOROBENZENE	<2.29 ug/Kg	2.29				2
1,3-DICHLOROBENZENE	<2.29 ug/Kg	2.29				2
1,4-DICHLOROBENZENE	<2.29 ug/Kg	2.29				2
SURROGATE BROMOFLUOROBENZENE	60 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	83 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					

NUCLEAR AROMATIC HYDROCARB

06/02/95 06/08/95 8100

CONTINUATION OF DATA FOR SAMPLE NUMBER 7204

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
NAPHTHALENE	<1890 ug/Kg	1890				5
ACENAPHTHYLENE	<1890 ug/Kg	1890				5
ACENAPHTHENE	<1890 ug/Kg	1890				5
FLUORENE	<1890 ug/Kg	1890				5
PHENANTHRENE	<1890 ug/Kg	1890				5
ANTHRACENE	<1890 ug/Kg	1890				5
FLUORANTHENE	<1890 ug/Kg	1890				5
PYRENE	<1890 ug/Kg	1890				5
BENZO (A) ANTHRACENE	<1890 ug/Kg	1890				5
CHRYSENE	<1890 ug/Kg	1890				5
BENZO (B) FLUORANTHENE	<1890 ug/Kg	1890				5
BENZO (K) FLUORANTHENE	<1890 ug/Kg	1890				5
BENZO (A) PYRENE	<1890 ug/Kg	1890				5
INDENO (1,2,3-CD) PYRENE	<1890 ug/Kg	1890				5
DIBENZ (A,H) ANTHRACENE	<1890 ug/Kg	1890				5
BENZO (G,H,I) PERYLENE	<1890 ug/Kg	1890				5
SURROGATE 2-FLUOROBIPHENYL	MASKED % Recovery					
SURROGATE O-TERPHENYL	MASKED % Recovery					

FILE ID- #17-S.S.W.
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 7205
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
 TIME SAMPLED- 1340
 DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
 DELIVERED BY- Grayhound
 RECEIVED BY- RM
 SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	85.6 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	29.1 mg/Kg	11.7	06/02/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/05/95	8020	
BENZENE	<2.34 ug/Kg	2.34				2
TOLUENE	<2.34 ug/Kg	2.34				2
CHLOROBENZENE	<2.34 ug/Kg	2.34				2
M,P-XYLENES	<4.67 ug/Kg	4.67				2
O-XYLENES	<2.34 ug/Kg	2.34				2
ETHYL BENZENE	<2.34 ug/Kg	2.34				2
1,2-DICHLOROBENZENE	<2.34 ug/Kg	2.34				2
1,3-DICHLOROBENZENE	<2.34 ug/Kg	2.34				2
1,4-DICHLOROBENZENE	<2.34 ug/Kg	2.34				2
SURROGATE BROMOFLUOROBENZENE	74 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	102 % Recovery					
	0.0 ug/Kg					

CONTINUATION OF DATA FOR SAMPLE NUMBER 7205

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1930 ug/Kg	1930				5
ACENAPHTHYLENE	<1930 ug/Kg	1930				5
ACENAPHTHENE	<1930 ug/Kg	1930				5
FLUORENE	<1930 ug/Kg	1930				5
PHENANTHRENE	<1930 ug/Kg	1930				5
ANTHRACENE	<1930 ug/Kg	1930				5
FLUORANTHENE	<1930 ug/Kg	1930				5
PYRENE	<1930 ug/Kg	1930				5
BENZO(A)ANTHRACENE	<1930 ug/Kg	1930				5
CHRYSENE	<1930 ug/Kg	1930				5
BENZO(B)FLUORANTHENE	<1930 ug/Kg	1930				5
BENZO(K)FLUORANTHENE	<1930 ug/Kg	1930				5
BENZO(A)PYRENE	<1930 ug/Kg	1930				5
INDENO(1,2,3-CD)PYRENE	<1930 ug/Kg	1930				5
ENZ(A,H)ANTHRACENE	<1930 ug/Kg	1930				5
IO(G,H,I)PERYLENE	<1930 ug/Kg	1930				5
ROGATE 2-FLUOROBIPHENYL	MASKED % Recovery					
SURROGATE O-TERPHENYL	MASKED % Recovery					

SAMPLE ID- #17-N.S.W.
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 7206
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
 TIME SAMPLED- 1350
 DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
 DELIVERED BY- Greyhound
 RECEIVED BY- RM
 SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	91.7 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	80.7 mg/Kg	10.9	06/02/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/01/95	8020	
BENZENE	<2.18 ug/Kg	2.18				2
TOLUENE	<2.18 ug/Kg	2.18				2
CHLOROBENZENE	<2.18 ug/Kg	2.18				2
M,P-XYLENES	<4.36 ug/Kg	4.36				2
O-XYLENES	<2.18 ug/Kg	2.18				2
ETHYL BENZENE	<2.18 ug/Kg	2.18				2
1,2-DICHLOROBENZENE	<2.18 ug/Kg	2.18				2
1,3-DICHLOROBENZENE	<2.18 ug/Kg	2.18				2
1,4-DICHLOROBENZENE	<2.18 ug/Kg	2.18				2

CONTINUATION OF DATA FOR SAMPLE NUMBER 7206

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SURROGATE BROMOFLUOROBENZENE	66 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	87 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1800 ug/Kg	1800				5
ACENAPHTHYLENE	<1800 ug/Kg	1800				5
ACENAPHTHENE	<1800 ug/Kg	1800				5
FLUORENE	<1800 ug/Kg	1800				5
PHENANTHRENE	<1800 ug/Kg	1800				5
ANTHRACENE	<1800 ug/Kg	1800				5
FLUORANTHENE	<1800 ug/Kg	1800				5
PYRENE	<1800 ug/Kg	1800				5
BENZO (A) ANTHRACENE	<1800 ug/Kg	1800				5
CHRYSENE	<1800 ug/Kg	1800				5
BENZO (B) FLUORANTHENE	<1800 ug/Kg	1800				5
BO (K) FLUORANTHENE	<1800 ug/Kg	1800				5
BO (A) PYRENE	<1800 ug/Kg	1800				5
BN (1,2,3-CD) PYRENE	<1800 ug/Kg	1800				5
DIBENZ (A,H) ANTHRACENE	<1800 ug/Kg	1800				5
BENZO (G,H,I) PERYLENE	<1800 ug/Kg	1800				5
SURROGATE 2-FLUOROBIPHENYL	97.0 % Recovery					
SURROGATE O-TERPHENYL	144 % Recovery					

SAMPLE ID- #23-T1-S1
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 7207
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
 TIME SAMPLED- 1605
 DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
 DELIVERED BY- Grayhound
 RECEIVED BY- RM
 SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	79.1 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	<12.6 mg/Kg	12.6	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS			06/02/95	8020		
BENZENE	<2.53 ug/Kg	2.53				2
TOLUENE	<2.53 ug/Kg	2.53				2
CHLOROBENZENE	<2.53 ug/Kg	2.53				2
M,P-XYLENES	<5.06 ug/Kg	5.06				2
O-XYLENES	<2.53 ug/Kg	2.53				2
BENZENE	3.92 ug/Kg	2.53				2

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

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Precision Data										Accuracy Data			Ref. Sample Data					Analy. Batch Number
Analysis	Blank Conc.	Sample Number	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %			
ETHYL BENZENE	< 1	7298	MS	24.2	24.3	0.41	MS	6.0	20.0	24.2	91.0					7539, 7539, 7539,		
		7298					MSD	6.0	20.0	24.3	91.5					, 7539,		
			BS	17.5	18.9	7.69	BS	0	20.0	17.5	87.5					, 7539, 7539,		
							BSD	0	20.0	18.9	94.5					, 7539,		
1,2-DICHLOROBENZEN	< 1	7298	MS	18.8	18.7	0.53	MS	<1.0	20.0	18.8	91.5					7539, 7539, 7539,		
		7298					MSD	<1.0	20.0	18.7	91.0					, 7539,		
			BS	16.3	19.0	15.30	BS	0	20.0	16.3	81.5					, 7539, 7539,		
							BSD	0	20.0	19.0	95.0					, 7539,		
1,3-DICHLOROBENZEN	< 1	7298	MS	18.7	18.7	0.00	MS	<1.0	20.0	18.7	91.0					7539, 7539, 7539,		
		7298					MSD	<1.0	20.0	18.7	91.0					, 7539,		
			BS	16.9	18.8	10.64	BS	0	20.0	16.9	84.5					, 7539, 7539,		
							BSD	0	20.0	18.8	94.0					, 7539,		
1,4-DICHLOROBENZEN	< 1	7298	MS	18.7	18.6	0.54	MS	<1.0	20.0	18.7	91.0					7539, 7539, 7539,		
		7298					MSD	<1.0	20.0	18.6	90.5					, 7539,		
			BS	16.8	18.9	11.76	BS	0	20.0	16.8	84.0					, 7539, 7539,		
							BSD	0	20.0	18.9	94.5					, 7539,		
SURROGATE		7298					MS	0	60.0	51.5	85.8					, 7539,		
		7298					MSD	0	60.0	50.7	84.5					, 7539,		
							B	0	60.0	44.4	74.0					, 7539,		
							BS	0	60.0	46.7	77.8					, 7539,		
% Recovery							BSD	0	60.0	51.3	85.5					, 7539,		

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number		
				Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
SURROGATE aaa-TRIF LUOROTOLUENE 8020 % Recovery	-----	7298	-----	-----	-----	-----	MS	0	60.0	60.0	100.0	-----	-----	-----	-----	7539,
	-----	7298	-----	-----	-----	-----	MSD	0	60.0	59.9	99.8	-----	-----	-----	-----	7539,
	-----	-----	-----	-----	-----	-----	B	0	60.0	52.7	87.8	-----	-----	-----	-----	7539,
	-----	-----	-----	-----	-----	-----	BS	0	60.0	53.1	88.5	-----	-----	-----	-----	7539,
	-----	-----	-----	-----	-----	-----	BSD	0	60.0	60.0	100.0	-----	-----	-----	-----	7539,
TOT. PET.	< 10.0	7084	MSD	10.0	10.0	0.00	---	---	---	---	---	---	---	---	---	7595, 7595, ,
HYDROCARBONS-OIL 9071	< 10.0	7092	MSD	24.7	14.8	50.13	---	---	---	---	---	---	---	---	---	7595, 7595, ,
mg/Kg	< 10.0	7207	MSD	10.0	10.0	0.00	---	---	---	---	---	---	---	---	---	7596, 7596, ,
	< 10.0	7224	MSD	69.8	39.9	54.51	---	---	---	---	---	---	---	---	---	7596, 7596, ,
	-----	-----	-----	-----	-----	-----	BS	.0024	.0192	.0192	87.5	-----	-----	-----	-----	7595,
	-----	-----	-----	-----	-----	-----	BS	.0014	.0183	.0187	94.5	-----	-----	-----	-----	7596,
	-----	-----	-----	-----	-----	-----	---	---	---	---	---	---	---	---	---	---
BENZENE	< 1	7102	MS	18.3	17.5	4.47	MS	<2.0	20.0	17.5	82.5	-----	-----	-----	-----	7495, 7495, 7495,
8020	< 1	7102	MS	17.5	17.1	2.31	MSD	<2.0	20.0	17.1	80.5	-----	-----	-----	-----	7538, 7495, 7495,
ug/Kg	< 1	7278	MS	15.2	14.4	5.41	MS	<2.0	20.0	15.2	71.0	-----	-----	-----	-----	7546, 7546, 7546,
	-----	7278	-----	-----	-----	-----	MSD	<2.0	20.0	14.4	67.0	-----	-----	-----	-----	7546,
	-----	7280	MS	16.4	16.2	1.23	MS	<2.0	20.0	16.4	77.0	-----	-----	-----	-----	7538, 7538,
	-----	7280	-----	-----	-----	-----	MSD	<2.0	20.0	16.2	76.0	-----	-----	-----	-----	7538,
	-----	-----	BS	14.5	18.3	23.17	BS	0	20.0	14.5	72.5	-----	-----	-----	-----	7495, 7495,
%	-----	-----	BS	16.9	18.3	7.95	BSD	0	20.0	18.3	91.5	-----	-----	-----	-----	7538, 7495,
	-----	-----	BS	16.5	17.8	7.58	BS	0	20.0	16.9	84.5	-----	-----	-----	-----	7546, 7538,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	18.3	91.5	-----	-----	-----	-----	7538,
	-----	-----	-----	-----	-----	-----	BS	0	20.0	16.5	82.5	-----	-----	-----	-----	7546,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	17.8	89.0	-----	-----	-----	-----	7546,

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Environmental Services

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Analysis	Blank	Sample	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch
			Rep	Rep	RPD	Samp	Raw	Samp	Rec.	Sample	Target	Found	
Conc.	Conc.	Type	A	B	%	Type	Conc.	Conc.	Conc.	ID	Conc.	Conc.	%
ug/Kg	ug/Kg												Number
TOLUENE 8020 ug/Kg	< 1	7102 MS	18.3	17.8	2.77 MS	<2.0	20.0	17.8	84.0				7495, 7495, 7495,
	< 1	7102 MS	17.8	17.3	2.85 MSD	<2.0	20.0	17.3	81.5				7538, 7495, 7495,
	< 1	7278 MS	15.0	14.4	4.08 MS	<2.0	20.0	15.0	70.0				7546, 7546, 7546,
		7278				MSD	20.0	14.4	67.0				, 7546,
		7280 MS	16.6	16.5	0.60 MS	<2.0	20.0	16.6	78.0				, 7538, 7538,
		7280				MSD	20.0	16.5	77.5				, 7538,
		BS	14.5	18.3	23.17 BS	0	20.0	14.5	72.5				, 7495, 7495,
		BS	16.8	18.0	6.90 BSD	0	20.0	18.3	91.5				, 7538, 7495,
		BS	16.2	17.7	8.85 BS	0	20.0	16.8	84.0				, 7546, 7538,
						BSD	20.0	18.0	90.0				, 7538,
CHLOROBENZENE 8020 ug/Kg	< 1	7102 MS	18.6	17.9	3.84 MS	<2.0	20.0	17.9	84.5				7495, 7495, 7495,
	< 1	7102 MS	17.9	17.3	3.41 MSD	<2.0	20.0	17.3	81.5				7538, 7495, 7495,
	< 1	7278 MS	14.8	14.2	4.14 MS	<2.0	20.0	14.8	69.0				7546, 7546, 7546,
		7278				MSD	20.0	14.2	66.0				, 7546,
		7280 MS	16.3	16.4	0.61 MS	<2.0	20.0	16.3	76.5				, 7538, 7538,
		7280				MSD	20.0	16.4	77.0				, 7538,
		BS	14.8	18.6	22.75 BS	0	20.0	14.8	74.0				, 7495, 7495,
		BS	17.0	18.1	6.27 BSD	0	20.0	18.6	93.0				, 7538, 7495,
		BS	16.4	18.2	10.40 BS	0	20.0	17.0	85.0				, 7546, 7538,
						BSD	20.0	18.1	90.5				, 7538,
						BS	20.0	16.4	82.0				, 7546,
						BSD	20.0	18.2	91.0				, 7546,

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
Page 5

Analysis	Precision Data				Accuracy Data				Ref. Sample Data						Analy. Batch Number	
	Blank Conc.	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %		
M,P-XYLENES 8020 ug/Kg	< 2	7102 MS	37.8	36.7	2.95 MS		<4.0		40.0	37.8	89.5					7495, 7495, 7495,
	< 2	7102 MS	37.8	36.7	2.95 MSD		<4.0		40.0	36.7	86.8					7538, 7495, 7495,
	< 2	7278 MS	29.9	29.6	1.01 MS		<4.0		40.0	29.9	69.8					7546, 7546, 7546,
		7278					MSD		40.0	29.6	69.0					, 7546,
		7280 MS	34.0	34.4	1.17 MS		<4.0		40.0	34.0	80.0					, 7538, 7538,
		7280					MSD		40.0	34.4	81.0					, 7538,
			BS	30.5	39.4	25.46 BS	0		40.0	30.5	76.3					, 7495, 7495,
			BS	35.7	37.7	5.45 BSD	0		40.0	39.4	98.5					, 7538, 7495,
			BS	34.5	37.9	9.39 BS	0		40.0	35.7	89.3					, 7546, 7538,
						BSD	0		40.0	37.7	94.3					, 7538,
O-XYLENES 8020 ug/Kg	< 1	7102 MS	18.6	18.0	3.28 MS		<2.0		20.0	18.6	88.0					7495, 7495, 7495,
	< 1	7102					MSD		20.0	18.0	85.0					7538, , 7495,
	< 1	7278 MS	14.9	14.2	4.81 MS		<2.0		20.0	14.9	69.5					7546, 7546, 7546,
		7278					MSD		20.0	14.2	66.0					, 7546,
		7280 MS	16.8	16.9	0.59 MS		<2.0		20.0	16.8	79.0					, 7538, 7538,
		7280					MSD		20.0	16.9	79.5					, 7538,
			BS	15.3	19.4	23.63 BS	0		20.0	15.3	76.5					, 7495, 7495,
			BS	17.6	18.9	7.12 BSD	0		20.0	19.4	97.0					, 7538, 7495,
			BS	16.9	18.8	10.64 BS	0		20.0	17.6	88.0					, 7546, 7538,
						BSD	0		20.0	18.9	94.5					, 7538,
					BS	0		20.0	16.9	84.5					, 7546,	
					BSD	0		20.0	18.8	94.0					, 7546,	

1,2-DICHLOROBENZEN E	< 1	7102 MS	18.4	17.9	2.75 MS	<2.0	20.0	18.4	87.0	7495, 7495, 7495,
8020	< 1	7102	-----	-----	MSD	<2.0	20.0	17.9	84.5	7538, , 7495,
ug/Kg	< 1	7278 MS	15.2	13.0	15.60 MS	<2.0	20.0	15.2	71.0	7546, 7546, 7546,
		7278	-----	-----	MSD	<2.0	20.0	13.0	60.0	, , 7546,
		7280 MS	16.8	17.0	1.18 MS	<2.0	20.0	16.8	79.0	, 7538, 7538,
		7280	-----	-----	MSD	<2.0	20.0	17.0	80.0	, , 7538,
		BS	15.6	19.0	19.65 BS	0	20.0	15.6	78.0	, 7495, 7495,
		BS	17.5	18.7	6.63 BSD	0	20.0	19.0	95.0	, 7538, 7495,
		BS	16.3	19.0	15.30 BS	0	20.0	17.5	87.5	, 7546, 7538,
		BS	-----	-----	BS	0	20.0	18.7	93.5	, , 7538,
		BS	-----	-----	BS	0	20.0	16.3	81.5	, , 7546,
		BS	-----	-----	BS	0	20.0	19.0	95.0	, , 7546,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
Page 7

Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number	
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.
1,3-DICHLOROBENZEN E 8020 ug/Kg	< 1	7102	MS	18.7	18.1	3.26	MS	<2.0	20.0	18.7	88.5				7495, 7495, 7495,
	< 1	7102					MSD	<2.0	20.0	18.1	85.5				7538, , 7495,
	< 1	7278	MS	14.8	16.7	12.06	MS	<2.0	20.0	14.8	69.0				7546, 7546, 7546,
		7278					MSD	<2.0	20.0	16.7	78.5				, 7546,
		7280	MS	16.7	17.4	4.11	MS	<2.0	20.0	16.7	78.5				, 7538, 7538,
		7280					MSD	<2.0	20.0	17.4	82.0				, 7538,
			BS	15.5	19.3	21.84	BS	0	20.0	15.5	77.5				, 7495, 7495,
			BS	17.5	18.8	7.16	BSD	0	20.0	19.3	96.5				, 7538, 7495,
			BS	16.9	18.8	10.64	BS	0	20.0	17.5	87.5				, 7546, 7538,
							BSD	0	20.0	18.8	94.0				, 7538,
1,4-DICHLOROBENZEN E 8020 ug/Kg							BS	0	20.0	16.9	84.5				, 7546,
							BSD	0	20.0	18.8	94.0				, 7546,
	< 1	7102	MS	18.7	18.0	3.81	MS	<2.0	20.0	18.7	88.5				7495, 7495, 7495,
	< 1	7102					MSD	<2.0	20.0	18.0	85.0				7538, , 7495,
	< 1	7278	MS	14.2	13.5	5.05	MS	<2.0	20.0	14.2	66.0				7546, 7546, 7546,
		7278					MSD	<2.0	20.0	13.5	62.5				, 7546,
		7280	MS	16.7	17.1	2.37	MS	<2.0	20.0	16.7	78.5				, 7538, 7538,
		7280					MSD	<2.0	20.0	17.1	80.5				, 7538,
			BS	15.3	19.2	22.61	BS	0	20.0	15.3	76.5				, 7495, 7495,
			BS	17.4	18.8	7.73	BSD	0	20.0	19.2	96.0				, 7538, 7495,
			BS	16.8	18.9	11.76	BS	0	20.0	17.4	87.0				, 7546, 7538,
							BSD	0	20.0	18.8	94.0				, 7538,
							BS	0	20.0	16.8	84.0				, 7546,
							BSD	0	20.0	18.9	94.5				, 7546,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
Page 8

Analysis	Blank	Sample	Precision Data			Accuracy Data			Ref. Sample Data				Analy.
			Rep	Rep	RPD	Samp	Raw	Spk	Rec.	Sample	Target	Found	
Conc.	Number	Type	A	B	%	Type	Conc.	Conc.	%	ID	Conc.	Conc.	Batch
													Number
SURROGATE	7102					MS	0	60.0	54.6	91.3			7495,
BROMOFLUOROBENZENE	7102					MSD	0	60.0	53.3	88.8			7495,
8020	7278					MS	0	60.0	41.0	68.3			7546,
% Recovery	7278					MSD	0	60.0	39.2	65.3			7546,
	7280					MS	0	60.0	45.6	76.0			7538,
	7280					MSD	0	60.0	45.8	76.3			7538,
						B	0	60.0	51.0	85.0			7495,
						BS	0	60.0	42.2	70.3			7495,
						BSD	0	60.0	57.2	95.3			7495,
						B	0	60.0	53.5	89.2			7538,
						BS	0	60.0	52.2	87.0			7538,
						BSD	0	60.0	56.8	94.7			7538,
						B	0	60.0	44.4	74.0			7546,
						BS	0	60.0	46.7	77.8			7546,
						BSD	0	60.0	51.3	85.5			7546,
SURROGATE	7102					MS	0	60.0	62.1	103.5			7495,
LUOROTOLUENE	7102					MSD	0	60.0	60.6	101.0			7495,
8020	7278					MS	0	60.0	47.4	79.0			7546,
% Recovery	7278					MSD	0	60.0	47.0	78.3			7546,
	7280					MS	0	60.0	55.5	92.5			7538,
	7280					MSD	0	60.0	55.6	92.7			7538,
						B	0	60.0	55.2	92.0			7495,
						BS	0	60.0	48.4	80.7			7495,
						BSD	0	60.0	62.8	104.7			7495,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number		
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
ANTHRACENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1380	1400	1.44	MS	0	1980	1380	69.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1400	70.7	---	---	---	---	7706, ,
	---	---	BS	34.9	29.2	17.78	BS	0	50.0	34.9	69.8	---	---	---	---	7706, 7706, ,
FLUORANTHENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1520	1580	3.87	MS	0	1980	1520	76.8	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1580	79.8	---	---	---	---	7706, ,
	---	---	BS	38.7	29.6	26.65	BS	0	50.0	38.7	77.4	---	---	---	---	7706, 7706, ,
PYRENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1480	1500	1.34	MS	0	1980	1480	74.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1500	75.8	---	---	---	---	7706, ,
	---	---	BS	38.3	29.6	25.63	BS	0	50.0	38.3	76.6	---	---	---	---	7706, 7706, ,
							BSD	0	50.0	29.6	59.2	---	---	---	---	7706, ,

Environmental Services

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
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BENZO(B)FLUORANTHENE

ANDERSON COLUMBIA

ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

Page ___ of ___

Box 1788

Project No. 8084 Project Name FT. STEWART 444

Signature (Signature) *[Signature]*

Sample Number	Date	Time	Sample Location
#17-T1-S3	5-22-78	13:10	Tank #17
#17-T1-S1	5-22-78	13:20	"
#17-E.S.W.	5-22-78	13:25	"
#17-W.S.W.	5-22-78	13:35	"
#17-S.S.W.	5-22-78	13:40	"
#17-N.S.W.	5-22-78	13:50	"
#23-T1-S1	5-22-78	16:05	"
#23-T1-S2	5-22-78	16:10	"
#23-N.S.W.	5-22-78	16:20	"
#23-S.S.W.	5-22-78	16:25	"
#23-E.S.W.	5-22-78	16:35	"
#23-W.S.W.	5-22-78	16:40	"

No. of Containers

Preservative

8080 8106 9071

Remarks:	7201	7202	7203	7204	7205	7206	7207	7208	7209	7210	7211	7212
THESE SAMPLE ARE TAKEN FROM TANK #17												
THESE SAMPLES ARE TAKEN FROM TANK #23												

Received by:

Date / Time

Relinquished by:

Received by:

Date / Time

Relinquished by:

Date / Time

Remarks:

Date / Time

Relinquished by:

Received by:

Date / Time

Relinquished by:

Date / Time

good condition temp = 5.5°C ice melted

R. Motte

5-24-95/1300

[Signature]

*

Investigation: 09		Station	09-01	09-02	
		Sample ID	0901B1	0902B1	
		Date Collected	9/10/96	9/11/96	
		Depth	2.5 - 5.0 FT	2.5 - 5.0 FT	
Polynuclear Aromatic Hydrocarbons - MG/KG					
2-Chloronaphthalene	NA	MG/KG	0.41 U	0.38 U	MG/KG
Acenaphthene	NA		0.41 U	0.38 U	
Acenaphthylene	NA		0.41 U	0.38 U	
Anthracene	NA		0.41 U	0.38 U	
Benzo(a)anthracene	NA		0.41 U	0.38 U	
Benzo(a)pyrene	NA		0.41 U	0.38 U	
Benzo(b)fluoranthene	NA		0.41 U	0.38 U	
Benzo(g,h,i)perylene	NA		0.41 U	0.38 U	
Benzo(k)fluoranthene	NA		0.41 U	0.38 U	
Chrysene	NA		0.41 U	0.38 U	
Dibenzo(a,h)anthracene	NA		0.41 U	0.38 U	
Fluoranthene	NA		0.41 U	0.38 U	
Fluorene	NA		0.41 U	0.38 U	
Indeno(1,2,3-cd)pyrene	NA		0.41 U	0.38 U	
Naphthalene	NA		0.41 U	0.38 U	
Phenanthrene	NA		0.41 U	0.38 U	
Pyrene	NA		0.41 U	0.38 U	
Petroleum Hydrocarbons					
Total Petroleum Hydrocarbons	MG/KG	MG/KG	28 U	11.5 U	MG/KG
	NRC				
Volatile Organics					
Benzene	MG/KG	MG/KG	0.008	0.0062 U	MG/KG
Ethylbenzene	10		0.0062 U	0.017 U	
Toluene	6		0.019 U	0.0057 U	
Xylenes, Total	700		0.0062 U	0.0057 U	

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

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

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

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

Page 1 of 1

Soil Analytical Results for the
Facility ID #9-089011, UST 19, Site Investigation

Investigation: 09

Station 09-01 09-02
 Sample ID 0901W2 0902W2
 Date Collected 9/10/96 9/11/96
 Depth 5.0 - 8.0 FT 5.0 - 8.0 FT

EPA MCL

Polynuclear Aromatic Hydrocarbons

	UG/L	UG/L
2-Chloronaphthalene	NA	10 U
Acenaphthene	NA	10 U
Acenaphthylene	NA	10 U
Anthracene	NA	10 U
Benzo(a)anthracene	NA	10 U
Benzo(a)pyrene	0.2	10 U
Benzo(b)fluoranthene	NRC	10 U
Benzo(g,h,i)perylene	NA	10 U
Benzo(k)fluoranthene	NA	10 U
Chrysene	NRC	10 U
Dibenzo(a,h)anthracene	NRC	10 U
Fluoranthene	NA	10 U
Fluorene	NA	10 U
Indeno(1,2,3-cd)pyrene	NRC	10 U
Naphthalene	NA	10 U
Phenanthrene	NA	10 U
Pyrene	NA	10 U

EPA MCL

Volatile Organics

	UG/L	UG/L
Benzene	5	5 U
Ethylbenzene	700	0.19 U
Toluene	1000	5 U
Xylenes, Total	10000	5 U

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

J - Indicates that 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.

Groundwater Analytical Results for the
 Facility ID #9-089011, UST 19, Site Investigation

DATA VALIDATION

COPY

1D

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0901B1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: 69226S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609226-07

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B2A712

% Moisture: 20 decanted: (Y/N) N

Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: _____ (uL)

Date Analyzed: 09/22/96

Injection Volume: _____ (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

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

Q

71-43-2-----Benzene	6.2	U	U
108-88-3-----Toluene	19		=
100-41-4-----Ethylbenzene	6.2	U	U
1330-20-7-----Xylenes (total)	6.2	U	U

0043

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831

Contact: Mr. Nile Luedike
Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 26, 1996

Page 1 of 2

Sample ID : 0901B1
Lab ID : 9609226-07
Matrix : Soil
Date Collected : 09/10/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep											
Evaporative Loss @ 105 C		20.0	1.00	1.00	wt%	1.0	DDT	09/20/96	1725	90858	1
General Chemistry											
Total Rec. Petro. Hydrocarbons	JB	28.0	U F01, F07	8.45	12.5 mg/kg	1.0	SDW	09/16/96	1100	90586	2

M = Method	Method-Description
M 1	EPA 3550
M 2	EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0236



9609226-07

DATA VALIDATION

COPY

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0902B1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69227S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609227-02

Sample wt/vol: 30.3 (g/mL) g

Lab File ID: 1M458

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: 13 decanted: (Y/N) N

Date Extracted: 09/20/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/26/96

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

121-14-2	2,4-dinitrotoluene	380	U
106-46-7	1,4-dichlorobenzene	380	U
621-64-7	N-nitroso-di-n-propylamine	380	U
120-82-1	1,2,4-trichlorobenzene	380	U
91-20-3	naphthalene	380	U
91-58-7	2-chloronaphthalene	380	U
209-96-8	acenaphthylene	380	U
83-32-9	acenaphthene	380	U
86-73-7	fluorene	380	U
85-01-8	phenanthrene	380	U
120-12-7	anthracene	380	U
206-44-0	fluoranthene	380	U
129-00-0	pyrene	380	U
56-55-3	benzo(a)anthracene	380	U
218-01-9	chrysene	380	U
205-99-2	benzo(b)fluoranthene	380	U
207-08-9	benzo(k)fluoranthene	380	U
50-32-8	benzo(a)pyrene	380	U
193-39-5	indeno(1,2,3-cd)pyrene	380	U
53-70-3	dibenz(a,h)anthracene	380	U
191-24-2	benzo(g,h,i)perylene	380	U

PAH only

11/7/97
Qu
↓



800 Oak Ridge Turnpike, Oak Ridge, TN 37827 ACES 861-0000

PAGE 1 OF 4

CHAIN OF CUSTODY RECORD

COC NO.: 60050

PROJECT NAME: Fort Stewart UST Sites

PROJECT NUMBER: 0003

PROJECT MANAGER: Chris Potter

Sample ID

Date Collected

Time Collected

Matrix

Printed Name

Sharon Spencer

REQUESTED PARAMETERS

LABORATORY NAME:

GEL

LABORATORY ADDRESS:

2040 Savage Road

Charleston, SC 29417

PHONE NO: (803) 556-8171

OVA SCREENING

OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS

1002W2

9/11/96

1300

WATER

1001W2

9/11/96

1100

1

100024

9/16/96

0730

1

1101W2

9/11/96

1045

1

1001R5

9/11/96

1075

1

1102W2

9/11/96

1430

1

0902W2

9/11/96

0935

1

4304W2

9/11/96

1415

1

4303W2

9/11/96

1530

1

5502W2

9/10/96

0830

1

4301W2

9/11/96

1105

1

4302W2

9/11/96

1005

1

4304R6

9/11/96

1405

1

RELINQUISHED BY:

5-2-756

COMPANY NAME:

CAIC

RECEIVED BY:

COMPANY NAME:

RELINQUISHED BY:

COMPANY NAME:

Date/Time

9/12/96

Date/Time

1300

RECEIVED BY:

13 backhand

COMPANY NAME:

CEC

RELINQUISHED BY:

COMPANY NAME:

Date/Time

9/12/96

Date/Time

1300

TOTAL NUMBER OF CONTAINERS:

76

Cooler ID:

207F DR 9-12-96

Cooler Temperature:

-13

DATA VALIDATION
COPY

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0902W2

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69222W

Matrix: (soil/water) WATER Lab Sample ID: 9609222-07

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1A417

Level: (low/med) LOW Date Received: 09/12/96

% Moisture: not dec. _____ Date Analyzed: 09/19/96

GC Column: DB624 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/l Q

71-43-2-----benzene	5.0	U
108-88-3-----toluene	5.0	U
100-41-4-----ethylbenzene	5.0	U
1330-20-7-----xylenes (total)	5.0	U

5.0 0.28 JB
u, F&F, F&F

MAF
1/8/97

FORM I VOA

OLM03.0

AMES H. CARR & ASSOCIATES, INC.

Environmental Services

919 True Street ■ P.O. Box 90209 ■ Columbia, SC 29290
(803) 776-7789 ■ (800) 435-3995 ■ FAX (803) 783-2192

FINAL REPORT OF ANALYSES

ANDERSON COLUMBIA ENVIRON., INC
P.O. Box 1386
Lake City, FL 32056
Attn: Mr. David Black

REPORT DATE: 06/14/95
PROJECT NAME- Ft. Stewart 5/16

SAMPLE ID- #19-T1-S1
LOCATION- FT. Stewart
SAMPLE NUMBER- 6976
SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/15/95
TIME SAMPLED- 1530
DATE RECEIVED- 05/16/95

TIME RECEIVED- 1200
DELIVERED BY- Grayhound
RECEIVED BY- RM
SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	87.8 %	0.01		05/23/95		
PET. HYDROCARBONS-OIL	<11.4 mg/Kg	11.4	05/26/95	05/30/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/26/95	8020	
BENZENE	<2.28 ug/Kg	2.28				2
TOLUENE	<2.28 ug/Kg	2.28				2
CHLOROBENZENE	<2.28 ug/Kg	2.28				2
M,P-XYLENES	<4.56 ug/Kg	4.56				2
O-XYLENES	<2.28 ug/Kg	2.28				2
ETHYL BENZENE	<2.28 ug/Kg	2.28				2
1,2-DICHLOROBENZENE	<2.28 ug/Kg	2.28				2
1,3-DICHLOROBENZENE	<2.28 ug/Kg	2.28				2
1,4-DICHLOROBENZENE	<2.28 ug/Kg	2.28				2
SURROGATE BROMOFLUOROBENZENE	91 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	96 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			05/24/95	06/02/95	8100	
NAPHTHALENE	<1880 ug/Kg	1880				5
ACENAPHTHYLENE	<1880 ug/Kg	1880				5
ACENAPHTHENE	<1880 ug/Kg	1880				5
FLUORENE	<1880 ug/Kg	1880				5
PHENANTHRENE	<1880 ug/Kg	1880				5
ANTHRACENE	<1880 ug/Kg	1880				5
FLUORANTHENE	<1880 ug/Kg	1880				5
PIRENE	<1880 ug/Kg	1880				5
O(A)ANTHRACENE	<1880 ug/Kg	1880				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 6976

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
CHRYSENE	<1880 ug/Kg	1880				5
BENZO(B)FLUORANTHENE	<1880 ug/Kg	1880				5
BENZO(K)FLUORANTHENE	<1880 ug/Kg	1880				5
BENZO(A)PYRENE	<1880 ug/Kg	1880				5
INDENO(1,2,3-CD)PYRENE	<1880 ug/Kg	1880				5
DIBENZ(A,H)ANTHRACENE	<1880 ug/Kg	1880				5
BENZO(G,H,I)PERYLENE	<1880 ug/Kg	1880				5
SURROGATE 2-FLUOROBIPHENYL	80 % Recovery					
SURROGATE O-TERPHENYL	84 % Recovery					

SAMPLE ID- #19-T1-S2

TIME RECEIVED- 1200

LOCATION- FT. Stewart

DATE SAMPLED- 05/15/95

DELIVERED BY- Grayhound

SAMPLE NUMBER- 6977

TIME SAMPLED- 1540

RECEIVED BY- RM

SAMPLE MATRIX- SOIL

DATE RECEIVED- 05/16/95

SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
OLIDS	86.5 %	0.01		05/23/95		
TOT. PET. HYDROCARBONS-OIL	<11.6 mg/Kg	11.6	05/26/95	05/30/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/26/95	8020	
BENZENE	<2.31 ug/Kg	2.31				2
TOLUENE	<2.31 ug/Kg	2.31				2
CHLOROBENZENE	<2.31 ug/Kg	2.31				2
M,P-XYLENES	<4.62 ug/Kg	4.62				2
O-XYLENES	<2.31 ug/Kg	2.31				2
ETHYL BENZENE	<2.31 ug/Kg	2.31				2
1,2-DICHLOROBENZENE	4.16 ug/Kg	2.31				2
1,3-DICHLOROBENZENE	<2.31 ug/Kg	2.31				2
1,4-DICHLOROBENZENE	<2.31 ug/Kg	2.31				2
SURROGATE BROMOFLUOROBENZENE	79 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	95 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			05/24/95	06/02/95	8100	
NAPHTHALENE	<1910 ug/Kg	1910				5
ACENAPHTHYLENE	<1910 ug/Kg	1910				5
ACENAPHTHENE	<1910 ug/Kg	1910				5
FLUORENE	<1910 ug/Kg	1910				5
ANTHRACENE	<1910 ug/Kg	1910				5
PERACENE	<1910 ug/Kg	1910				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 6977

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORANTHENE	<1910 ug/Kg	1910				5
PYRENE	<1910 ug/Kg	1910				5
BENZO(A)ANTHRACENE	<1910 ug/Kg	1910				5
CHRYSENE	<1910 ug/Kg	1910				5
BENZO(B)FLUORANTHENE	<1910 ug/Kg	1910				5
BENZO(K)FLUORANTHENE	<1910 ug/Kg	1910				5
BENZO(A)PYRENE	<1910 ug/Kg	1910				5
INDENO(1,2,3-CD)PYRENE	<1910 ug/Kg	1910				5
DIBENZ(A,H)ANTHRACENE	<1910 ug/Kg	1910				5
BENZO(G,H,I)PERYLENE	<1910 ug/Kg	1910				5
SURROGATE 2-FLUOROBIPHENYL	67 % Recovery					
SURROGATE O-TERPHENYL	77 % Recovery					

SAMPLE ID- #19-W.S.W.

LOCATION- FT. Stewart

SAMPLE NUMBER- 6978

SAMPLE MATRIX- SOIL

TIME RECEIVED- 1200

DELIVERED BY- Greyhound

RECEIVED BY- RM

DATE SAMPLED- 05/15/95

TIME SAMPLED- 1545

DATE RECEIVED- 05/16/95

SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	79.0 %	0.01		05/23/95		
TOT. PET. HYDROCARBONS-OIL	201. mg/Kg	12.6	05/26/95	05/30/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/26/95	8020	
BENZENE	<2.53 ug/Kg	2.53				2
TOLUENE	<2.53 ug/Kg	2.53				2
CHLOROBENZENE	<2.53 ug/Kg	2.53				2
M,P-XYLENES	<5.06 ug/Kg	5.06				2
O-XYLENES	<2.53 ug/Kg	2.53				2
ETHYL BENZENE	<2.53 ug/Kg	2.53				2
1,2-DICHLOROBENZENE	<2.53 ug/Kg	2.53				2
1,3-DICHLOROBENZENE	<2.53 ug/Kg	2.53				2
1,4-DICHLOROBENZENE	<2.53 ug/Kg	2.53				2
SURROGATE BROMOFLUOROBENZENE	77 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	84 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			05/31/95	06/06/95	8100	
NAPHTHALENE	<2090 ug/Kg	2090				5
ACENAPHTHYLENE	<2090 ug/Kg	2090				5
PHANTHENE	<2090 ug/Kg	2090				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 6978

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORENE	<2090 ug/Kg	2090				5
PHENANTHRENE	<2090 ug/Kg	2090				5
ANTHRACENE	<2090 ug/Kg	2090				5
FLUORANTHENE	<2090 ug/Kg	2090				5
PYRENE	<2090 ug/Kg	2090				5
BENZO(A)ANTHRACENE	<2090 ug/Kg	2090				5
CHRYSENE	<2090 ug/Kg	2090				5
BENZO(B)FLUORANTHENE	<2090 ug/Kg	2090				5
BENZO(K)FLUORANTHENE	<2090 ug/Kg	2090				5
BENZO(A)PYRENE	<2090 ug/Kg	2090				5
INDENO(1,2,3-CD)PYRENE	<2090 ug/Kg	2090				5
DIBENZ(A,H)ANTHRACENE	<2090 ug/Kg	2090				5
BENZO(G,H,I)PERYLENE	<2090 ug/Kg	2090				5
SURROGATE 2-FLUOROBIPHENYL	58.0 % Recovery					
SURROGATE O-TERPHENYL	53.0 % Recovery					

SAMPLE ID- #19-E.S.W.

LOCATION- FT. Stewart
LE NUMBER- 6979
PLE MATRIX- SOILDATE SAMPLED- 05/15/95
TIME SAMPLED- 1555
DATE RECEIVED- 05/16/95

TIME RECEIVED- 1200

DELIVERED BY- Greyhound

RECEIVED BY- RM

SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	81.5 %	0.01		05/23/95		
TOT. PET. HYDROCARBONS-OIL	18.3 mg/Kg	12.3	05/31/95	06/01/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/30/95	8020	
BENZENE	<2.45 ug/Kg	2.45				2
TOLUENE	<2.45 ug/Kg	2.45				2
CHLOROBENZENE	<2.45 ug/Kg	2.45				2
M,P-XYLENES	<4.91 ug/Kg	4.91				2
O-XYLENES	<2.45 ug/Kg	2.45				2
ETHYL BENZENE	<2.45 ug/Kg	2.45				2
1,2-DICHLOROBENZENE	<2.45 ug/Kg	2.45				2
1,3-DICHLOROBENZENE	4.42 ug/Kg	2.45				2
1,4-DICHLOROBENZENE	3.56 ug/Kg	2.45				2
SURROGATE BROMOFLUOROBENZENE	83 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	104 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					

NUCLEAR AROMATIC HYDROCARB

05/31/95 06/06/95 8100

CONTINUATION OF DATA FOR SAMPLE NUMBER 6979

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
NAPHTHALENE	<2020 ug/Kg	2020				5
ACENAPHTHYLENE	<2020 ug/Kg	2020				5
ACENAPHTHENE	<2020 ug/Kg	2020				5
FLUORENE	<2020 ug/Kg	2020				5
PHENANTHRENE	<2020 ug/Kg	2020				5
ANTHRACENE	<2020 ug/Kg	2020				5
FLUORANTHENE	<2020 ug/Kg	2020				5
PYRENE	<2020 ug/Kg	2020				5
BENZO (A) ANTHRACENE	<2020 ug/Kg	2020				5
CHRYSENE	<2020 ug/Kg	2020				5
BENZO (B) FLUORANTHENE	<2020 ug/Kg	2020				5
BENZO (K) FLUORANTHENE	<2020 ug/Kg	2020				5
BENZO (A) PYRENE	<2020 ug/Kg	2020				5
INDENO (1,2,3-CD) PYRENE	<2020 ug/Kg	2020				5
DIBENZ (A,H) ANTHRACENE	<2020 ug/Kg	2020				5
BENZO (G,H,I) PERYLENE	<2020 ug/Kg	2020				5
SURROGATE 2-FLUOROBIPHENYL	75.0 % Recovery					
SURROGATE O-TERPHENYL	84.0 % Recovery					

LE ID- #19-S.S.W.
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 6980
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/15/95
 TIME SAMPLED- 1600
 DATE RECEIVED- 05/16/95

TIME RECEIVED- 1200
 DELIVERED BY- Greyhound
 RECEIVED BY- RM
 SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	87.0 %	0.01		05/23/95		
TOT. PET. HYDROCARBONS-OIL	11.5 mg/Kg	11.5	05/31/95	06/01/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/30/95	8020	
BENZENE	<2.30 ug/Kg	2.30				2
TOLUENE	<2.30 ug/Kg	2.30				2
CHLOROBENZENE	<2.30 ug/Kg	2.30				2
M,P-XYLENES	<4.60 ug/Kg	4.60				2
O-XYLENES	<2.30 ug/Kg	2.30				2
ETHYL BENZENE	<2.30 ug/Kg	2.30				2
1,2-DICHLOROBENZENE	<2.30 ug/Kg	2.30				2
1,3-DICHLOROBENZENE	<2.30 ug/Kg	2.30				2
1,4-DICHLOROBENZENE	<2.30 ug/Kg	2.30				2
SURROGATE BROMOFLUOROBENZENE	92 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	107 % Recovery					
	0.0 ug/Kg					

CONTINUATION OF DATA FOR SAMPLE NUMBER 6980

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			05/31/95	06/06/95	8100	
NAPHTHALENE	<1900 ug/Kg	1900				5
ACENAPHTHYLENE	<1900 ug/Kg	1900				5
ACENAPHTHENE	<1900 ug/Kg	1900				5
FLUORENE	<1900 ug/Kg	1900				5
PHENANTHRENE	<1900 ug/Kg	1900				5
ANTHRACENE	<1900 ug/Kg	1900				5
FLUORANTHENE	<1900 ug/Kg	1900				5
PYRENE	<1900 ug/Kg	1900				5
BENZO(A)ANTHRACENE	<1900 ug/Kg	1900				5
CHRYSENE	<1900 ug/Kg	1900				5
BENZO(B)FLUORANTHENE	<1900 ug/Kg	1900				5
BENZO(K)FLUORANTHENE	<1900 ug/Kg	1900				5
BENZO(A)PYRENE	<1900 ug/Kg	1900				5
INDENO(1,2,3-CD)PYRENE	<1900 ug/Kg	1900				5
BENZ(A,H)ANTHRACENE	<1900 ug/Kg	1900				5
O(G,H,I)PERYLENE	<1900 ug/Kg	1900				5
ROGATE 2-FLUOROBIPHENYL	59.0 % Recovery					
SURROGATE O-TERPHENYL	66.0 % Recovery					

SAMPLE ID- #19-N.S.W.
LOCATION- FT. Stewart
SAMPLE NUMBER- 6981
SAMPLE MATRIX- SOIL

TIME RECEIVED- 1200
DELIVERED BY- Grayhound
RECEIVED BY- RM
DATE SAMPLED- 05/15/95
TIME SAMPLED- 1610
DATE RECEIVED- 05/16/95
SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	93.6 %	0.01		05/23/95		
TOT. PET. HYDROCARBONS-OIL	101 mg/Kg	10.7	05/31/95	06/01/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/30/95	8020	
BENZENE	<2.14 ug/Kg	2.14				2
TOLUENE	<2.14 ug/Kg	2.14				2
CHLOROBENZENE	<2.14 ug/Kg	2.14				2
M,P-XYLENES	<4.27 ug/Kg	4.27				2
O-XYLENES	<2.14 ug/Kg	2.14				2
ETHYL BENZENE	<2.14 ug/Kg	2.14				2
1,2-DICHLOROBENZENE	<2.14 ug/Kg	2.14				2
1,3-DICHLOROBENZENE	<2.14 ug/Kg	2.14				2
1,4-DICHLOROBENZENE	<2.14 ug/Kg	2.14				2

CONTINUATION OF DATA FOR SAMPLE NUMBER 6981

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SURROGATE BROMOFLUOROBENZENE	90 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	104 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			05/31/95	06/06/95	8100	
NAPHTHALENE	<1760 ug/Kg	1760				5
ACENAPHTHYLENE	<1760 ug/Kg	1760				5
ACENAPHTHENE	<1760 ug/Kg	1760				5
FLUORENE	<1760 ug/Kg	1760				5
PHENANTHRENE	<1760 ug/Kg	1760				5
ANTHRACENE	<1760 ug/Kg	1760				5
FLUORANTHENE	<1760 ug/Kg	1760				5
PYRENE	<1760 ug/Kg	1760				5
BENZO(A)ANTHRACENE	<1760 ug/Kg	1760				5
CHRYSENE	<1760 ug/Kg	1760				5
BENZO(B)FLUORANTHENE	<1760 ug/Kg	1760				5
BENZO(K)FLUORANTHENE	<1760 ug/Kg	1760				5
O(A)PYRENE	<1760 ug/Kg	1760				5
ENO(1,2,3-CD)PYRENE	<1760 ug/Kg	1760				5
DIBENZ(A,H)ANTHRACENE	<1760 ug/Kg	1760				5
BENZO(G,H,I)PERYLENE	<1760 ug/Kg	1760				5
SURROGATE 2-FLUOROBIPHENYL	72.0 % Recovery					
SURROGATE O-TERPHENYL	83.0 % Recovery					

SAMPLE ID- Trip Blank

LOCATION- FT. Stewart

SAMPLE NUMBER- 6982

SAMPLE MATRIX- GROUNDWATER

DATE SAMPLED- 05/15/95

TIME SAMPLED- NA

DATE RECEIVED- 05/16/95

TIME RECEIVED- 1200

DELIVERED BY- Greyhound

RECEIVED BY- RM

SAMPLER- Lamar Kennedy

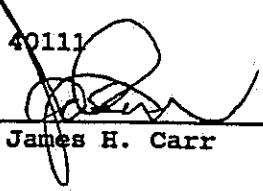
ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS				05/18/95	8020	
BENZENE	< 1 ug/L	1				
TOLUENE	4.1 ug/L	1				
CHLOROBENZENE	< 1 ug/L	1				
M,P-XYLENES	< 2 ug/L	2				
O-XYLENES	< 1 ug/L	1				
ETHYL BENZENE	< 1 ug/L	1				
1,2-DICHLOROBENZENE	< 1 ug/L	1				
1,3-DICHLOROBENZENE	< 1 ug/L	1				
DICHLOROBENZENE	< 1 ug/L	1				

CONTINUATION OF DATA FOR SAMPLE NUMBER 6982

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SURROGATE BROMOFLUOROBENZENE	78 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	117 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				

SCDHEC Laboratory ID 40111

LABORATORY DIRECTOR


James H. Carr

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 6976, 6977, 6978, 6979, 6980, 6981, 6982,

Page 1

Analysis	Blank Sample Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %
BENZENE 8020 ug/L	< 1	BS	19.1	18.7	2.12	BS	0	20.0	19.1	95.5	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,
						BSD	0	20.0	18.7	93.5					
TOLUENE 8020 ug/L	< 1	BS	19.1	19.1	0.00	BS	0	20.0	19.1	95.5	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,
						BSD	0	20.0	19.1	95.5					
CHLOROBENZENE 8020 ug/L	< 1	BS	20.5	20.0	2.47	BS	0	20.0	20.5	102.5	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,
						BSD	0	20.0	20.0	100.0					
M,P-XYLENES 8020 ug/L	< 2	BS	39.9	41.9	4.89	BS	0	40.0	39.9	99.8	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,
						BSD	0	40.0	41.9	104.7					
O-XYLENES 8020 ug/L	< 1	BS	19.5	20.3	4.02	BS	0	20.0	19.5	97.5	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,	7323, 7323, 7323,
						BSD	0	20.0	20.3	101.5					

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

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Analysis	Blank Sample Conc.	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number	
			Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.		Rec. %
SURROGATE aaa-TRIF						B	0	60.0	81.5	135.8					7323,
LUOROTOLUENE						BS	0	60.0	79.2	132.0					7323,
8020						BSD	0	60.0	77.2	128.7					7323,
% Recovery															
TOT. PET.	< 10.0	6911	<10	<10	0.00										
HYDROCARBONS-OIL	< 10.0	6960	601	490	20.35										7463, 7463,
9071	< 10.0	6980	<10	20.0	120.00										7463, 7463,
mg/Kg						BS	.0005	.0166	.0161	94.0					7511, 7511,
															, 7511,
BENZENE	< 1	6912	16.9	15.2	10.59	MS	<2.0	20.0	16.9	79.5					7469, 7469, 7469,
8020	< 1	6912				MSD	<2.0	20.0	15.2	71.0					7482, 7469,
ug/Kg		6979	15.9	17.2	7.85	MS	<2.0	20.0	15.9	74.5					7482, 7482,
		6979				MSD	<2.0	20.0	17.2	81.0					, 7482,
		BS	19.9	19.5	2.03	BS	0	20.0	19.9	99.5					7469, 7469,
		BS	19.1	19.0	0.52	BSD	0	20.0	19.5	97.5					7482, 7469,
						BS	0	20.0	19.1	95.5					, 7482,
						BSD	0	20.0	19.0	95.0					, 7482,
TOLUENE	< 1	6912	16.8	15.3	9.35	MS	<2.0	20.0	16.8	79.0					7469, 7469, 7469,
8020	< 1	6912				MSD	<2.0	20.0	15.3	71.5					7482, 7469,
ug/Kg		6979	17.0	17.1	0.59	MS	<2.0	20.0	17.0	80.0					7482, 7482,
		6979				MSD	<2.0	20.0	17.1	80.5					, 7482,
		BS	20.0	20.0	0.00	BS	0	20.0	20.0	100.0					7469, 7469,
		BS	19.6	19.2	2.06	BSD	0	20.0	20.0	100.0					7482, 7469,

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 6976, 6977, 6978, 6979, 6980, 6981, 6982,

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data						Analy. Batch Number
				Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Add Spk Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	%	
O-XYLENES	< 1	6912	MS	17.0	15.0	12.50	MS	<2.0	20.0	17.0	80.0					7469, 7469, 7469,
8020	< 1	6912					MSD	<2.0	20.0	15.0	70.0					7482, , 7469,
ug/Kg		6979	MS	16.7	18.0	7.49	MS	<2.0	20.0	16.7	78.5					, 7482, 7482,
		6979					MSD	<2.0	20.0	18.0	85.0					, , 7482,
			BS	20.7	20.6	0.48	BS	0	20.0	20.7	103.5					, 7469, 7469,
			BS	19.9	19.3	3.06	BSD	0	20.0	20.6	103.0					, 7482, 7469,
							BS	0	20.0	19.9	99.5					, , 7482,
							BSD	0	20.0	19.3	96.5					, , 7482,
ETHYL BENZENE	< 1	6912	MS	17.4	15.6	10.91	MS	<2.0	20.0	17.4	82.0					7469, 7469, 7469,
8020	< 1	6912					MSD	<2.0	20.0	15.6	73.0					7482, , 7469,
ug/Kg		6979	MS	16.8	17.8	5.78	MS	<2.0	20.0	16.8	79.0					, 7482, 7482,
		6979					MSD	<2.0	20.0	17.8	84.0					, , 7482,
			BS	20.7	20.5	0.97	BS	0	20.0	20.7	103.5					, 7469, 7469,
			BS	20.2	19.6	3.02	BSD	0	20.0	20.5	102.5					, 7482, 7469,
							BS	0	20.0	20.2	101.0					, , 7482,
							BSD	0	20.0	19.6	98.0					, , 7482,
1,2-DICHLOROBENZENE	< 1	6912	MS	16.3	13.7	17.33	MS	<2.0	20.0	16.3	76.5					7469, 7469, 7469,
E	< 1	6912					MSD	<2.0	20.0	13.7	63.5					7482, , 7469,
8020		6979	MS	16.4	17.6	7.06	MS	<2.0	20.0	16.4	77.0					, 7482, 7482,
ug/Kg		6979					MSD	<2.0	20.0	17.6	83.0					, , 7482,
			BS	20.2	21.2	4.83	BS	0	20.0	20.2	101.0					, 7469, 7469,
			BS	20.3	19.8	2.49	BSD	0	20.0	21.2	106.0					, 7482, 7469,
							BS	0	20.0	20.3	101.5					, , 7482,

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Analysis	Blank Sample Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.		Rec. %																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1,3-DICHLOROBENZEN	< 1	6912	MS	16.3	14.4	12.38	MS	BSD	0	20.0	19.8	99.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

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Analysis	Blank Sample Conc.	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number		
			Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.		Rec. %	
SURROGATE 8020 % Recovery							BS	0	60.0	61.3	102.2					7469,
							BSD	0	60.0	61.5	102.5					7469,
							B	0	60.0	59.6	99.3					7482,
							BS	0	60.0	60.9	101.5					7482,
							BSD	0	60.0	56.9	94.8					7482,
		6912					MS	0	60.0	54.8	91.3					7469,
		6912					MSD	0	60.0	50.8	84.7					7469,
		6979					MS	0	60.0	52.9	88.2					7482,
		6979					MSD	0	60.0	56.8	94.7					7482,
							B	0	60.0	61.0	101.7					7469,
NAPHTHALENE 8100 ug/Kg							BS	0	60.0	64.7	107.8					7469,
							BSD	0	60.0	64.5	107.5					7469,
							B	0	60.0	64.7	107.8					7482,
							BS	0	60.0	65.4	109.0					7482,
							BSD	0	60.0	61.1	101.8					7482,
	< 330	6976 MS	1120	1190	6.06 MS			<330	1920	1120	49.7					7707, 7733, 7733,
	< 330	6976 MS	1120	1190	6.06 MS			<330	1920	1190	53.4					7733, 7733, 7733,
	7097	MS	1010	1180	15.53 MS			0	1790	1010	56.4					7707, 7707,
	7097						MSD	0	1790	1180	65.9					7707,
		BS	35.7	31.2	13.45 BS			0	50.0	35.7	71.4					7707, 7707,
						BSD	0	50.0	31.2	62.4					7707,	
						BS	0	50.0	33.8	67.6					7733,	

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
PYRENE 8100 ug/Kg	< 330	6976	MS	1200	1300	8.00	MS	<330	1920	1200	53.9					7707, 7733, 7733,
	< 330	6976	MS	1200	1300	8.00	MSD	<330	1920	1300	59.1					7733, 7733, 7733,
		7097	MS	866	1330	42.26	MS	0	1790	866	48.4					7707, 7707,
		7097					MSD	0	1790	1330	74.3					, 7707,
			BS	39.6	34.2	14.63	BS	0	50.0	39.6	79.2					, 7707, 7707,
							BSD	0	50.0	34.2	68.4					, 7707,
BENZO(A)ANTHRACENE 8100 ug/Kg	< 330	6976	MS	1280	1370	6.79	MS	<330	1920	1280	58.1					7707, 7733, 7733,
	< 330	6976	MS	1280	1370	6.79	MSD	<330	1920	1370	62.8					7733, 7733, 7733,
		7097	MS	765	1340	54.63	MS	0	1790	765	42.7					7707, 7707,
		7097					MSD	0	1790	1340	74.9					, 7707,
			BS	39.2	33.4	15.98	BS	0	50.0	39.2	78.4					, 7707, 7707,
							BSD	0	50.0	33.4	66.8					, 7707,
CHRYSENE 8100 ug/Kg	< 330	6976	MS	1280	1370	6.79	MS	<330	1920	1280	58.1					7707, 7733, 7733,
	< 330	6976	MS	1280	1370	6.79	MSD	<330	1920	1370	62.8					7733, 7733, 7733,
		7097	MS	765	1340	54.63	MS	0	1790	765	42.7					7707, 7707,
		7097					MSD	0	1790	1340	74.9					, 7707,
			BS	39.2	33.4	15.98	BS	0	50.0	39.2	78.4					, 7707, 7707,
							BSD	0	50.0	33.4	66.8					, 7707,

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Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number		
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
BENZO(B)FLUORANTHENE NE 8100 ug/Kg	< 330	6976	MS	1260	1500	17.39	MS	<330		1920	1260	57.0					7707, 7733, 7733,
	< 330	6976	MS	1260	1500	17.39	MSD	<330		1920	1500	69.5					7733, 7733, 7733,
		7097	MS	830	1470	55.65	MS	0		1790	830	46.4					, 7707, 7707,
		7097					MSD	0		1790	1470	82.1					, 7707,
			BS	46.2	39.3	16.14	BS	0		50.0	46.2	92.4					, 7707, 7707,
							BSD	0		50.0	39.3	78.6					, 7707,
BENZO(K)FLUORANTHENE NE 8100 ug/Kg	< 330	6976	MS	1260	1500	17.39	MS	<330		1920	1260	57.0					7707, 7733, 7733,
	< 330	6976	MS	1260	1500	17.39	MSD	<330		1920	1500	69.5					7733, 7733, 7733,
		7097	MS	830	1470	55.65	MS	0		1790	830	46.4					, 7707, 7707,
		7097					MSD	0		1790	1470	82.1					, 7707,
			BS	46.2	39.3	16.14	BS	0		50.0	46.2	92.4					, 7707, 7707,
							BSD	0		50.0	39.3	78.6					, 7707,
BENZO(A)PYRENE 8100 ug/Kg	< 330	6976	MS	1170	1390	17.19	MS	<330		1920	1170	52.3					7707, 7733, 7733,
	< 330	6976	MS	1170	1390	17.19	MSD	<330		1920	1390	63.8					7733, 7733, 7733,
		7097	MS	810	1200	38.81	MS	0		1790	810	45.3					, 7707, 7707,
		7097					MSD	0		1790	1200	67.0					, 7707,
			BS	48.1	32.9	37.53	BS	0		50.0	48.1	96.2					, 7707, 7707,
							BSD	0		50.0	32.9	65.8					, 7707,
						BS	0		50.0	34.6	69.2					, 7733,	

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Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number			
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %	
INDENO(1,2,3-CD)PY	< 330	6976	MS	1140	1160	1.74	MS	<330		1920	1140	50.8					7707, 7733, 7733,
	< 330	6976	MS	1140	1160	1.74	MSD	<330		1920	1160	51.8					7733, 7733, 7733,
		7097	MS	760	1300	52.43	MS	0		1790	760	42.5					7707, 7707,
		7097					MSD	0		1790	1300	72.6					7707,
			BS	39.8	36.0	10.03	BS	0		50.0	39.8	79.6					7707, 7707,
							BSD	0		50.0	36.0	72.0					7707,
DIBENZ(A,H)ANTHRAC	< 330	6976	MS	1140	1160	1.74	MS	<330		1920	1140	50.8					7707, 7733, 7733,
	< 330	6976					MSD	<330		1920	1160	51.8					7733, , 7733,
		7097	MS	760	1300	52.43	MS	0		1790	760	42.5					7707, 7707,
		7097					MSD	0		1790	1300	72.6					7707,
			BS	39.8	36.0	10.03	BS	0		50.0	39.8	79.6					7707, 7707,
							BSD	0		50.0	36.0	72.0					7707,
BENZO(G,H,I)PERYLE	< 330	6976	MS	1460	1410	3.48	MS	<330		1920	1460	67.4					7707, 7733, 7733,
	< 330	6976					MSD	<330		1920	1410	64.8					7733, , 7733,
		7097	MS	959	1500	44.00	MS	0		1790	959	53.6					7707, 7707,
		7097					MSD	0		1790	1500	83.8					7707,
			BS	45.7	40.4	12.31	BS	0		50.0	45.7	91.4					7707, 7707,
							BSD	0		50.0	40.4	80.8					7707,
ug/Kg							BS	0		50.0	40.7	81.4					7733,

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number	
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.
SURROGATE	63.0	6976					MS	0	50.0	33.6	67.2				7707, 7733,
2-FLUOROBIPHENYL	75	6976					MSD	0	50.0	35.0	70.0				7733, 7733,
8100		7097	MS	72.0	73.0	1.38	MS	0	100	72.0	72.0				, 7707, 7707,
% Recovery		7097					MSD	0	100	73.0	73.0				, 7707,
			BS	78.0	68.0	13.70	BS	0	100	78.0	78.0				, 7707, 7707,
							BSD	0	100	68.0	68.0				, 7707,
							BS	0	50.0	37.3	74.6				, 7733,
SURROGATE	68.0	6976					MS	0	50.0	36.5	73.0				7707, 7733,
O-TERPHENYL	81	6976					MSD	0	50.0	40.3	80.6				7733, 7733,
8100		7097	MS	60.0	81.0	29.79	MS	0	100	60.0	60.0				, 7707, 7707,
% Recovery		7097					MSD	0	100	81.0	81.0				, 7707,
			BS	86.0	75.0	13.66	BS	0	100	86.0	86.0				, 7707, 7707,
							BSD	0	100	75.0	75.0				, 7707,
							BS	0	50.0	40.8	81.6				, 7733,

Box 1741

ANDERSON COLUMBIA

ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

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Project No.	Project Name		Sample # (Signature)		No. of Containers		Preservative		8080		8100		9071		Remarks	
Sample Number	Date	Time	Comp	Sample Location												
#19-TL-S1	5-5-95	15:30		TANK #19	3	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	Soils
#19-TL-S2	5-5-95	15:40		"	3	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	THESE SAMPLES WERE
#19-W.S.W.	5-5-95	15:45		"	3	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	TAKEN AT TANK #19.
#19-E.S.W.	5-5-95	15:55		"	3	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
#19-S.S.W.	5-5-95	16:00		"	3	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
#19-N.S.W.	5-5-95	16:10		"	3	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Trip Blk					1	1	✓	✓	✓	✓	✓	✓	✓	✓	✓	temp = 4.50C
Relinquished by: <i>James J. Bennett</i>					Received by: <i>Weymond</i>		Date / Time: 5-5-95		Relinquished by:		Received by:		Date / Time:		Remarks:	
Relinquished by:					Received by:		Date / Time:		Relinquished by:		Received by:		Date / Time:		Remarks:	
Relinquished by:					Received by: <i>R. Motte</i>		Date / Time: 5/16/95/1200		Relinquished by:		Received by:		Date / Time:		Remarks:	

Investigation: 11		Station	11-01	11-02
		Sample ID	1101B1	1102B1
		Date Collected	9/11/96	9/11/96
		Depth	2.5 - 5.0 FT	2.5 - 5.0 FT
		GDNR Level	MG/KG	MG/KG
Polynuclear Aromatic Hydrocarbons		NA	0.355 U	0.39 U
2-Chloronaphthalene		NA	0.355 U	0.39 U
Acenaphthene		NA	0.355 U	0.39 U
Acenaphthylene		NA	0.355 U	0.39 U
Anthracene		NA	0.355 U	0.39 U
Benzo(a)anthracene		NA	0.355 U	0.39 U
Benzo(a)pyrene		NA	0.355 U	0.39 U
Benzo(b)fluoranthene		NA	0.355 U	0.39 U
Benzo(g,h,i)perylene		NA	0.355 U	0.39 U
Benzo(k)fluoranthene		NA	0.355 U	0.39 U
Chrysene		NA	0.355 U	0.39 U
Dibenz(a,h)anthracene		NA	0.355 U	0.39 U
Fluoranthene		NA	0.355 U	0.39 U
Fluorene		NA	0.355 U	0.39 U
Indeno(1,2,3-cd)pyrene		NA	0.355 U	0.39 U
Naphthalene		NA	0.355 U	0.39 U
Phenanthrene		NA	0.355 U	0.39 U
Pyrene		NA	0.355 U	0.39 U
Petroleum Hydrocarbons		GDNR Level	MG/KG	MG/KG
Total Petroleum Hydrocarbons		NRC	117 J	4.75 UJ
Volatile Organics		GDNR Level	MG/KG	MG/KG
Benzene		0.008	0.005 U	0.006 U
Ethylbenzene		10	0.005 U	0.006 U
Toluene		6	0.005 U	0.006 U
Xylenes, Total		700	0.0052 U	0.006 U

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

J - Indicates that 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

Soil Analytical Results for the
Facility ID #9-089011, UST 21, Site Investigation

Investigation: 11

Station 11-01 11-02
 Sample ID 1101W2 1102W2
 Date Collected 9/11/96 9/11/96
 Depth 5.0 - 8.0 FT 5.0 - 8.0 FT

	EPA MCL	
	UG/L	UG/L
Polynuclear Aromatic Hydrocarbons		
2-Chloronaphthalene	NA	10 U
Acenaphthene	NA	10 U
Acenaphthylene	NA	10 U
Anthracene	NA	10 U
Benzo(a)anthracene	NA	10 U
Benzo(a)pyrene	0.2	10 U
Benzo(b)fluoranthene	NRC	10 U
Benzo(g,h,i)perylene	NA	10 U
Benzo(k)fluoranthene	NRC	10 U
Chrysene	NRC	10 U
Dibenzo(a,h)anthracene	NRC	10 U
Fluoranthene	NA	10 U
Fluorene	NA	10 U
Indeno(1,2,3-cd)pyrene	NRC	10 U
Naphthalene	NA	10 U
Phenanthrene	NA	10 U
Pyrene	NA	10 U
Volatile Organics		
	EPA MCL	UG/L
Benzene	5	0.27 J
Ethylbenzene	700	1.2 J
Toluene	1000	5 U
Xylenes, Total	10000	0.26 J

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

J - Indicates that 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.

Groundwater Analytical Results for the
 Facility ID #9-089011, UST 21, Site Investigation

CHAIN OF CUSTODY RECORD

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Foster														PHONE NO: (803) 556-8171	
Sample (Signature)				OIA SCREENING										OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Signature: <i>John B. H.</i>															
Signature: <i>Sylvan Spence</i>															
Sample ID	Date Collected	Time Collected	Matrix	BTEX, DRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, DRO	TPH	No. of Bottles/Main			
5502A1	9/10/96	10:00	SOIL									2	2	228-07.6	
4902C1	9/10/96	09:15	SOIL									2	4.4 ppm	228-08.4	
4902A1	9/10/96	09:10	SOIL									2	15.6 ppm	226-12.5	
0702B1	9/10/96	09:10	SOIL									2	6.3 ppm	-13	
0701B1	9/10/96	11:05	SOIL									2	149.7 ppm	-14	
1102B1	9/11/96	14:20	SOIL									2	0 ppm	-15	
1101B1	9/11/96	16:20	SOIL									2	12.2 ppm	-16	
1002B1	9/10/96	12:45	SOIL									2	7.8 ppm	-17	
4303C1	9/10/96	15:15	SOIL									2	0 ppm	228-09.6	
4303B1	9/10/96	14:50	SOIL									2	0 ppm	226-18.5	
4304D1	9/11/96	13:50	SOIL									2	0 ppm	-19.5	
				5-5 9/12/96											
RELINQUISHED BY: <i>[Signature]</i>				Date/Time: 9/12/96		RECEIVED BY: <i>[Signature]</i>		Date/Time: 9/12/96		TOTAL NUMBER OF CONTAINERS: 48		Cooler Temperature: 36			
COMPANY NAME: SAIC				Date/Time: 1/20/97		COMPANY NAME: SAIC		Date/Time: 1/21/97		Cooler ID: #202					
RECEIVED BY:				Date/Time:		RELINQUISHED BY:		Date/Time:							
COMPANY NAME:				Date/Time:		COMPANY NAME:		Date/Time:							
RELINQUISHED BY:				Date/Time:		RECEIVED BY: <i>[Signature]</i>		Date/Time: 9-12-96							
COMPANY NAME:				Date/Time:		COMPANY NAME: F&E		Date/Time: 1300							

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1101B1

Name:

Contract:

Code:

Case No.:

SAS No.:

SDG No.: 69226S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609226-16

Sample wt/vol: 30.6 (g/mL) g

Lab File ID: 1M204

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: 8 decanted: (Y/N) N

Date Extracted: 09/20/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/24/96

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	355	U
91-58-7-----2-chloronaphthalene	355	U
91-58-7-----2-chloronaphthalene	355	U

VALIDATION

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1102B1

Name: GENERAL ENGINEERING LABS. Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69226S

Matrix: (soil/water) SOIL Lab Sample ID: 9609226-15

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B2A720

% Moisture: 17 decanted: (Y/N) N Date Received: 09/12/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: (uL) Date Analyzed: 09/23/96

Injection Volume: (uL) Dilution Factor: 1.0

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

CAS NO.

COMPOUND

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

Q

DATA VALIDATION
COPY

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 26, 1996

Page 1 of 2

Sample ID : 1102B1
Lab ID : 9609226-15
Matrix : Soil
Date Collected : 09/11/96
Date Received : 09/12/96
Priority : Routine
Collector : Client

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.

0237



9609226-15



900 Oak Ridge Turnpike, Oak Ridge, TN 37831 423 581-2100

PROJECT NAME: Fort Stewart UST Closure

PROJECT NUMBER: 0003

PROJECT MANAGER: Clyde Patton

Sample (Signature) *Clyde Patton* Printed: *Clyde Patton*

Sample ID	Date Collected	Time
1002W2	9/11/96	17
1001W2	9/11/96	11
10002W2	9/11/96	03
11081W2	9/11/96	16
10001R5	9/11/96	10
11002W2	9/11/96	14
0902W2	9/11/96	08
4304W2	9/11/96	14
4303W2	9/11/96	15
5502W2	9/11/96	08
4301W2	9/11/96	11
4302W2	9/11/96	10
4304R6	9/11/96	14

RELINQUISHED BY: <i>Clyde Patton</i>	Date/Time: <i>9/12/96</i>
COMPANY NAME: <i>SAIC</i>	Date/Time: <i>1300</i>
RECEIVED BY:	Date/Time:
COMPANY NAME:	Date/Time:
RELINQUISHED BY:	Date/Time:
COMPANY NAME:	Date/Time:

PAGE 1 OF 1

RECORD

COC NO: 60050

LABORATORY NAME: GEL	
LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PHONE NO: (803) 556-8171	
OVA SCREENING	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
2 10.5 ppm	9609822-01 74
2 31.5 ppm	-02
2 N/A	-03
2 10.0 ppm	-04
2 N/A	-05
2 0.2 ppm	-06
2 27.9 ppm	-07
2 0 ppm	analyze water, not for drinking
2 27.0 ppm	analyze water, not for drinking
2 0 ppm	-10
2 76.4 ppm	analyze water, not for drinking
2 11.2 ppm	analyze water, not for drinking
2 N/A	-13

NUMBER OF CONTAINERS:	Cooler Temperature:
222	76
DATE: 9-12-96	

1101W2

Contract :

SDG No. : 69220W

Lab Sample ID: 9609220-18

Lab File ID: 1M106

Date Received: 09/12/96

Date Extracted: 09/14/96

Date Analyzed: 09/23/96

Dilution Factor: 1.0

pH: 7.0

COMPOUND

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

[illegible]

EPA SAMPLE NO.

1102W2

2 Name :

Contract:

Lab Code:

Case No. :

SAS No. :

SDG No.: 69220W

Matrix: (soil/water) GROUNDH2O

Lab Sample ID: 9609220-01

Sample wt/vol: 500 (g/mL) mL

Lab File ID: 1L508

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: _____ decanted: (Y/N)

Date Extracted: 09/14/96

Concentrated Extract Volume: 0.5 (mL)

Date Analyzed: 09/20/96

Injection Volume: 1 (uL)

Dilution Factor: 1.0

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

CAS NO.

COMPOUND

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

[illegible]

CONTINUATION OF DATA FOR SAMPLE NUMBER 6903

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
1,2-DICHLOROBENZENE	< 1 ug/L	1				
1,3-DICHLOROBENZENE	< 1 ug/L	1				
1,4-DICHLOROBENZENE	< 1 ug/L	1				
SURROGATE BROMOFLUOROBENZENE	70 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	81 % Recovery					
MTBE	. ug/L					
DIPE	. ug/L					

SAMPLE ID- #21-T1-S1

TIME RECEIVED- 0900

LOCATION- FT. Stewart

DATE SAMPLED- 05/11/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 6904

TIME SAMPLED- 1125

RECEIVED BY- DH

SAMPLE MATRIX- SOIL

DATE RECEIVED- 05/13/95

SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
1,2-DICHLOROBENZENE	1.25 ug/Kg	2.25				5
1,3-DICHLOROBENZENE	1.25 ug/Kg	2.25				5
1,4-DICHLOROBENZENE	1.25 ug/Kg	2.25				5
SURROGATE BROMOFLUOROBENZENE	81 % Recovery					5
SURROGATE aaa-TRIFLUOROTOLUENE	103 % Recovery					5
MTBE	0.0 ug/Kg					5
DIPE	0.0 ug/Kg					5

POLYNUCLEAR AROMATIC HYDROCARB

05/24/95 06/02/95 8100

NAPHTHALENE	<1860 ug/Kg	1860	5
ACENAPHTHYLENE	<1860 ug/Kg	1860	5
ACENAPHTHENE	<1860 ug/Kg	1860	5
FLUORENE	<1860 ug/Kg	1860	5
PHENANTHRENE	<1860 ug/Kg	1860	5
ANTHRACENE	<1860 ug/Kg	1860	5
FLUORANTHENE	<1860 ug/Kg	1860	5
PYRENE	<1860 ug/Kg	1860	5

CONTINUATION OF DATA FOR SAMPLE NUMBER 6904

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZO(A)ANTHRACENE	<1860 ug/Kg	1860				5
CHRYSENE	<1860 ug/Kg	1860				5
BENZO(B)FLUORANTHENE	<1860 ug/Kg	1860				5
BENZO(K)FLUORANTHENE	<1860 ug/Kg	1860				5
BENZO(A)PYRENE	<1860 ug/Kg	1860				5
INDENO(1,2,3-CD)PYRENE	<1860 ug/Kg	1860				5
DIBENZ(A,H)ANTHRACENE	<1860 ug/Kg	1860				5
BENZO(G,H,I)PERYLENE	<1860 ug/Kg	1860				5
SURROGATE 2-FLUOROBIPHENYL	67 % Recovery					
SURROGATE O-TERPHENYL	79 % Recovery					

SAMPLE ID- #21-T1-S2

LOCATION- FT. SHERMAN

SAMPLE NUMBER- 6904

DATE SHIPPED- 05/11/95

TIME SHIPPED- 1130

TIME RECEIVED- 0900

DELIVERED BY- Greyhound

RECEIVED BY- DH

LABORATORY- LAMAR H. KENNEDY

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
1,2-DICHLOROBENZENE	2.52 ug/Kg	2.52				2
1,3-DICHLOROBENZENE	2.52 ug/Kg	2.52				2
1,4-DICHLOROBENZENE	2.52 ug/Kg	2.52				2
1,2-DICHLOROBENZENE	2.52 ug/Kg	2.52				2
1,3-DICHLOROBENZENE	2.52 ug/Kg	2.52				2
1,4-DICHLOROBENZENE	2.52 ug/Kg	2.52				2
SURROGATE BROMOFLUOROBENZENE	92 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	104 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					

POLYNUCLEAR AROMATIC HYDROCARB

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
NAPHTHALENE	<2080 ug/Kg	2080	05/24/95	06/02/95	8100	5
ACENAPHTHYLENE	<2080 ug/Kg	2080				5
ACENAPHTHENE	<2080 ug/Kg	2080				5
FLUORENE	<2080 ug/Kg	2080				5
PERYANTHRENE	<2080 ug/Kg	2080				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 6905

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
ANTHRACENE	<2080 ug/Kg	2080				5
FLUORANTHENE	<2080 ug/Kg	2080				5
PYRENE	<2080 ug/Kg	2080				5
BENZO (A) ANTHRACENE	<2080 ug/Kg	2080				5
CHRYSENE	<2080 ug/Kg	2080				5
BENZO (B) FLUORANTHENE	<2080 ug/Kg	2080				5
BENZO (K) FLUORANTHENE	<2080 ug/Kg	2080				5
BENZO (A) PYRENE	<2080 ug/Kg	2080				5
INDENO (1,2,3-CD) PYRENE	<2080 ug/Kg	2080				5
DIBENZ (A,H) ANTHRACENE	<2080 ug/Kg	2080				5
BENZO (G,H,I) PERYLENE	<2080 ug/Kg	2080				5
SURROGATE 2-FLUOROBIPHENYL	56 % Recovery					
SURROGATE O-TERPHEYL	66 % Recovery					

ANALYST ID- 621-7-5-11

DATE RECEIVED- 0900

ANALYST ID- 621-7-5-11

RECEIVED BY- DH

DATE RECEIVED- 05/24/95

05/24/95 06/02/95 8100

POLYNUCLEAR AROMATIC HYDROCARB

1,2-DICHLOROBENZENE	<2.38 ug/Kg	2.38				2
1,3-DICHLOROBENZENE	<2.38 ug/Kg	2.38				2
1,4-DICHLOROBENZENE	<2.38 ug/Kg	2.38				2
M,P-XYLENES	<4.76 ug/Kg	4.76				2
O-XYLENES	<2.38 ug/Kg	2.38				2
BETHYL BENZENE	<2.38 ug/Kg	2.38				2
1,2-DICHLOROBENZENE	<2.38 ug/Kg	2.38				2
1,3-DICHLOROBENZENE	<2.38 ug/Kg	2.38				2
1,4-DICHLOROBENZENE	<2.38 ug/Kg	2.38				2
SURROGATE BROMOFLUOROBENZENE	75 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	93 % Recovery					
MTEE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					

POLYNUCLEAR AROMATIC HYDROCARB

NAPHTHALENE	<1960 ug/Kg	1960	05/24/95	06/02/95	8100	5
ACENAPHTHYLENE	<1960 ug/Kg	1960				5

CONTINUATION OF DATA FOR SAMPLE NUMBER 6906

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
ACENAPHTHENE	<1960 ug/Kg	1960				5
FLUORENE	<1960 ug/Kg	1960				5
PHENANTHRENE	<1960 ug/Kg	1960				5
ANTHRACENE	<1960 ug/Kg	1960				5
FLUORANTHENE	<1960 ug/Kg	1960				5
PYRENE	<1960 ug/Kg	1960				5
BENZO(A)ANTHRACENE	<1960 ug/Kg	1960				5
CHRYSENE	<1960 ug/Kg	1960				5
BENZO(B)FLUORANTHENE	<1960 ug/Kg	1960				5
BENZO(K)FLUORANTHENE	<1960 ug/Kg	1960				5
BENZO(A)PYRENE	<1960 ug/Kg	1960				5
INDENO(1,2,3-CD)PYRENE	<1960 ug/Kg	1960				5
DIBENZ(A,H)ANTHRACENE	<1960 ug/Kg	1960				5
BENZO(G,H,I)PERYLENE	<1960 ug/Kg	1960				5
2-FLUORANTHENE	69 % Recovery					
2-FLUORANTHENE	73 % Recovery					

THIS REPORT - 0300

DATE OF ANALYSIS - 05/22/95

ANALYST - J. L. HANNA

LABORATORY - L. HANNA

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
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2-FLUORANTHENE	19.5 %	0.01		05/17/95		
2-FLUORANTHENE	10.1 %	0.01	05/22/95	05/24/95	9071	

VOLATILE ORGANIC COMPOUNDS

BENZENE	<2.23 ug/Kg	2.23		05/25/95	8020	2
TOLUENE	<2.23 ug/Kg	2.23				2
CHLOROBENZENE	<2.23 ug/Kg	2.23				2
M,P-XYLENES	<4.47 ug/Kg	4.47				2
O-XYLENES	<2.23 ug/Kg	2.23				2
ETHYL BENZENE	<2.23 ug/Kg	2.23				2
1,2-DICHLOROBENZENE	<2.23 ug/Kg	2.23				2
1,3-DICHLOROBENZENE	<2.23 ug/Kg	2.23				2
1,4-DICHLOROBENZENE	<2.23 ug/Kg	2.23				2
SURROGATE BROMOFLUOROBENZENE	87 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	98 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					

NUCLEAR AROMATIC HYDROCARB

05/24/95 06/02/95 8100

CONTINUATION OF DATA FOR SAMPLE NUMBER 6907

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
NAPHTHALENE	<1840 ug/Kg	1840				5
ACENAPHTHYLENE	<1840 ug/Kg	1840				5
ACENAPHTHENE	<1840 ug/Kg	1840				5
FLUORENE	<1840 ug/Kg	1840				5
PHENANTHRENE	<1840 ug/Kg	1840				5
ANTHRACENE	<1840 ug/Kg	1840				5
FLUORANTHENE	<1840 ug/Kg	1840				5
PYRENE	<1840 ug/Kg	1840				5
BENZO (A) ANTHRACENE	<1840 ug/Kg	1840				5
CHRYSENE	<1840 ug/Kg	1840				5
BENZO (B) FLUORANTHENE	<1840 ug/Kg	1840				5
BENZO (K) FLUORANTHENE	<1840 ug/Kg	1840				5
BENZO (A) PYRENE	<1840 ug/Kg	1840				5
INDENO (1,2,3-CD) PYRENE	<1840 ug/Kg	1840				5
PERYLENE	<1840 ug/Kg	1840				5
75 % Recovery						
83 % Recovery						

ANALYSIS
 RECEIVED BY- [illegible]
 RECEIVED BY- [illegible]
 [illegible]

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
3 SOLIDS	19.1 %	0.01		05/17/95		
TOT. PET. HYDROCARBONS-OIL	27.7 mg/Kg	11.2	05/22/95	05/24/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/25/95	8020	
BENZENE	<2.24 ug/Kg	2.24				2
TOLUENE	<2.24 ug/Kg	2.24				2
CHLOROBENZENE	<2.24 ug/Kg	2.24				2
M, P-XYLENES	<4.49 ug/Kg	4.49				2
O-XYLENES	<2.24 ug/Kg	2.24				2
ETHYL BENZENE	<2.24 ug/Kg	2.24				2
1,2-DICHLOROBENZENE	7.18 ug/Kg	2.24				2
1,3-DICHLOROBENZENE	5.27 ug/Kg	2.24				2
1,4-DICHLOROBENZENE	8.53 ug/Kg	2.24				2
SURROGATE BROMOFLUOROBENZENE	67 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	80 % Recovery					
	0.0 ug/Kg					

CONTINUATION OF DATA FOR SAMPLE NUMBER 6908

ANALYSIS	CONCENTRATION	DET.	DATE	DATE	ANALYZED	METHOD	DIL.	FACTOR
% SOLIDS	89.4 %	8.01		05/17/95				
TOT. PET. HYDROCARBONS-OIL	<11.2 mg/Kg	11.2	05/24/95	05/30/95	9071			
VOLATILE ORGANIC COMPOUNDS				05/25/95	8020			
BENZENE	<2.24 ug/Kg	2.24						2
TOLUENE	<2.24 ug/Kg	2.24						2
CHLOROBENZENE	<2.24 ug/Kg	2.24						2
M, P-XYLENES	<4.47 ug/Kg	4.47						2
O-XYLENES	<2.24 ug/Kg	2.24						2
ETHYL BENZENE	<2.24 ug/Kg	2.24						2
1,2-DICHLOROBENZENE	<2.24 ug/Kg	2.24						2
1,3-DICHLOROBENZENE	3.36 ug/Kg	2.24						2
1,4-DICHLOROBENZENE	2.80 ug/Kg	2.24						2

CONTINUATION OF DATA FOR SAMPLE NUMBER 6909

POLYNUCLEAR AROMATIC HYDROCARB		05/24/95 06/02/95 8100	
NAPHTHALENE	<1840 ug/Kg	1840	5
ACENAPHTHYLENE	<1840 ug/Kg	1840	5
ACENAPHTHENE	<1840 ug/Kg	1840	5
FLUORENE	<1840 ug/Kg	1840	5
PHENANTHRENE	<1840 ug/Kg	1840	5
ANTHRACENE	<1840 ug/Kg	1840	5
FLUORANTHENE	<1840 ug/Kg	1840	5
PYRENE	<1840 ug/Kg	1840	5
BENZO (A) ANTHRACENE	<1840 ug/Kg	1840	5
CHRYSENE	<1840 ug/Kg	1840	5
BENZO (B) FLUORENE	<1840 ug/Kg	1840	5
BENZO (K) FLUORENE	<1840 ug/Kg	1840	5
BENZO (A) PYRENE	<1840 ug/Kg	1840	5
BENZO (A, H) ANTHRAQUINONE	<1840 ug/Kg	1840	5
BENZO (G, H, I) PERYLENE	<1840 ug/Kg	1840	5
1-METHYLBENZO (A, H) ANTHRAQUINONE	69 % Recovery		
1-METHYLBENZO (A, H) ANTHRAQUINONE	75 % Recovery		

TO- #10-61817
K- H. H. H. H.
NURCHER-
MORRIS- 1977

EAST NUMBER- 05/11/95
TIME PLACED- 1830
DATE PLACED- 05/13/95

TIME RECEIVED- 0900
DELIVERED BY- Grayhound
RECEIVED BY- DH
SHIPPER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	90.3 %	0.01		05/17/95		
TOT. PET. HYDROCARBONS-OIL	<11.1 mg/Kg	11.1	05/24/95	05/30/95	9071	
VOLATILE ORGANIC COMPOUNDS				05/25/95	8020	
BENZENE	<11.1 ug/Kg	11.1				10
TOLUENE	<11.1 ug/Kg	11.1				10
CHLOROBENZENE	<11.1 ug/Kg	11.1				10
M, P-XYLENES	99.6 ug/Kg	22.1				10
O-XYLENES	31.2 ug/Kg	11.1				10
ETHYL BENZENE	32.7 ug/Kg	11.1				10

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/11/95

QA/QC for SAMPLE Nos: 6897, 6898, 6899, 6900, 6901, 6902, 6903, 6904, 6905, 6906, 6907, 6908, 6909, 6910, 6911, 6912, 6913, 6914, 6915,

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number
				Rep A	Rep B	RPD %	Samp Rep Spk Conc.	Type	Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	%	
BENZENE	< 1	BS	18.1	18.2	0.55	0	BS	18.1	18.1	90.5				7313, 7313, 7313,		
8020						0	BS	18.2	18.2	91.0				, 7313,		
ug/L																
TOLUENE	< 1	BS	17.1	17.4	1.74	0	BS	17.1	17.1	85.5				7313, 7313, 7313,		
8020						0	BS	17.4	17.4	87.0				, 7313,		
ug/L																
CHLOROBENZENE	< 1	BS	19.4	19.6	1.03	0	BS	19.4	19.4	97.0				7313, 7313, 7313,		
8020						0	BS	19.6	19.6	98.0				, 7313,		
ug/L																
M,P-XYLENES	< 2	BS	36.6	37.6	2.70	0	BS	36.6	36.6	91.5				7313, 7313, 7313,		
8020						0	BS	37.6	37.6	94.0				, 7313,		
ug/L																

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

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Precision Data				Accuracy Data				Ref. Sample Data						Analy.			
Analysis	Blank Sample Conc.	Sample Number	Sample Type	Rep A	Rep B	Rep C	Rep X	Comp. Type	Comp. Conc.	Sp. Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Batch Number
O-XYLENES	< 1	8020	BS	18.5	18.0	18.0	18.0	BS	0	20.0	18.5	92.5					7313, 7313, 7313,
ETHYL BENZENE	< 1	8020	BS	18.0	18.0	18.0	18.0	BS	0	20.0	18.0	90.0					7313, 7313, 7313,
1,2-DICHLOROBENZENE	< 1	8020	BS	17.5	17.4	17.4	17.4	BS	0	20.0	17.3	86.5					7313, 7313, 7313,
1,3-DICHLOROBENZENE	< 1	8020	BS	17.1	17.1	17.1	17.1	BS	0	20.0	17.1	85.5					7313, 7313, 7313,

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Environmental Services

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Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy.	
	Blank Conc.	Sample Type	Rep A	Rep B	Rep C	Rep D	Rep E	Rep F	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.
1,4-DICHLOROBENZEN	< 1	BS	16.8	16.9	0.52	1.3	0	16.8	16.8	84.0				7313, 7313, 7313,
E					BS		0	16.9	16.9	84.5				, 7313,
8020														
ug/L														
SURROGATE					0		0	51.1	51.1	85.2				, 7313,
BROMOFLUOROBENZENE					0		0	56.3	56.3	93.8				, 7313,
8020					BS		0	57.2	57.2	93.3				, 7313,
% Recovery														
SURROGATE mab-TRIF					0		0	48.2	48.2	80.3				, 7313,
FLUOROTOLUENE					BS		0	44.7	44.7	74.5				, 7313,
8020					BS		0	44.5	44.5	74.2				, 7313,
% Recovery														
TOT. PET.	< 10.0	6855	900	987	9.22									7310, 7310, ,
HYDROCARBONS-OIL	< 10.0	6904	64.3	120	60.44									7362, 7362, ,
9071	< 10.0	6911	<10	<10	0.00									7463, 7463, ,
mg/Kg	< 10.0	6960	601	490	20.35									7463, 7463, ,
							BS	.0023	.0192	91.1				, 7310,
							BS	.0033	.0154	83.1				, 7362,

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QC REPORT FOR ANDERSON COLUMBIA ENVIRONMENTAL, INC 06/11/95

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Analysis	Blank	Sample	Type	Rep	Rep	RSD	RSD	Type	Conc.	Observed	Ref. Sample Data		Analy.
											Rec.	Found	
Conc.	Number	Conc.	Conc.	A	B	%	%	%	Conc.	Conc.	%	Conc.	Batch
ug/Kg													Number
BENZENE	< 1	6900	NS	17.7	14.3	21.23	NS	NS	< 2.0	17.7	63.5		7322, 7322, 7322,
8020	< 1	6900	NS				NS	NS	< 2.0	14.3	63.5		7468, , 7322,
ug/Kg	< 1	6909	HS	14.9	17.2	14.33	NS	NS	< 1.0	14.9	72.0		7469, 7468, 7468,
		6909	HS				NSD	NSD	< 1.0	17.2	63.5		, , 7468,
		6912	HS	16.9	15.2	10.59	NS	NS	< 2.0	16.9	79.5		, 7469, 7469,
		6912	HS				NSD	NSD	< 2.0	15.2	71.0		, , 7469,
			BS	19.1	18.7	2.12	BS	BS	0	19.1	95.5		, 7322, 7322,
			BS	18.9	17.9	5.43	BS	BS	0	18.7	93.5		, 7468, 7322,
			BS	19.9	17.5	2.83	BS	BS	0	18.9	94.5		, 7469, 7468,
							NSD	NSD	0	17.9	82.5		, , 7468,
							NS	NS	0	19.9	99.5		, , 7469,
							NS	NS	0	19.5	97.5		, , 7469,
TOLUENE	< 1	6900	NS	18.4	14.7	22.36	NS	NS	< 2.0	18.4	87.0		7322, 7322, 7322,
8020	< 1	6900	NS				NSD	NSD	< 2.0	14.7	68.5		7468, , 7322,
ug/Kg	< 1	6909	HS	14.9	16.9	12.58	NS	NS	< 1.0	14.9	72.0		7469, 7468, 7468,
		6909	HS				NSD	NSD	< 1.0	16.9	82.0		, , 7468,
		6912	HS	16.8	15.3	9.35	NS	NS	< 2.0	16.8	79.0		, 7469, 7469,
		6912	HS				NSD	NSD	< 2.0	15.3	71.5		, , 7469,
			BS	19.1	19.1	0.00	BS	BS	0	19.1	95.5		, 7322, 7322,
			BS	19.0	18.1	4.85	BS	BS	0	19.1	95.5		, 7468, 7322,
			BS	20.0	20.0	0.00	BS	BS	0	19.0	95.0		, 7469, 7468,
							NSD	NSD	0	18.1	90.5		, , 7468,
							NS	NS	0	20.0	100.0		, , 7469,

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number		
				Rep A	Rep B	Rep SD	% RSD	Comp Raw	Spk Conc.	Type	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.		Rec. %	
CHLOROBENZENE 8020 ug/Kg	< 1	6900	HS	10.3	14.8	21.15	1.1	<2.0	0	20.0	100.0							7322, 7322, 7322,
	< 1	6900						<2.0	0	10.3	86.5							7468, 7322,
	< 1	6909	HS	14.9	16.7	11.39	MS	<1.0	0	20.0	100.0							7469, 7468, 7468,
		6909						<1.0	0	14.9	72.0							7469, 7468, 7468,
		6912	HS	16.5	14.8	10.86	MS	<2.0	0	16.7	81.0							7469, 7469,
		6912						<2.0	0	16.5	77.5							7469, 7469,
			BS	20.5	20.0	2.47	BS	<2.0	0	14.8	69.0							7469, 7469,
			BS	19.3	18.2	5.07	BS	<2.0	0	20.5	102.5							7322, 7322,
			BS	20.0	20.1	0.50	BS	<2.0	0	20.0	100.0							7468, 7322,
								<2.0	0	19.3	96.5							7469, 7468,
M,P-XYLENES 8020 ug/Kg	< 2	6900	HS	42.3	32.6	25.90	MS	<4.0	0	20.0	100.0							7468,
	< 2	6900						<4.0	0	18.2	91.0							7469,
	< 2	6909	HS	30.4	34.1	11.67	MS	<2.0	0	20.0	100.0							7469,
		6909						<2.0	0	19.3	96.5							7468,
		6912	HS	34.7	30.9	11.59	MS	<4.0	0	20.0	100.0							7469,
		6912						<4.0	0	34.7	81.0							7469,
			BS	39.9	41.9	4.89	BS	<4.0	0	34.1	82.8							7469,
			BS	40.1	38.0	5.38	BS	<4.0	0	30.9	72.2							7469,
			BS	41.6	41.7	0.24	BS	<4.0	0	39.9	99.8							7322, 7322,
								<4.0	0	41.9	104.7							7468, 7322,

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Analysis	Blank	Sample	Precision Data			Accuracy Data			Ref. Sample Data				Analy.
			Rep	Rep	Rep	Rep	Rep	Rep	Observed	Rec.	Target	Found	
Conc.	Conc.	Type	A	B	X	Type	Conc.	Conc.	Conc.	%	Conc.	Conc.	Batch
Number	Number												Number
0-XYLENES	< 1	6900	MS	20.4	15.9	24.79	MS	<2.0	20.0	20.4	97.0	20.4	7322, 7322, 7322,
8020	< 1	6900	MS	20.4	15.9	24.79	MS	<2.0	20.0	15.9	74.5	15.9	7468, , 7322,
ug/Kg	< 1	6909	MS	15.1	17.0	11.84	MS	<1.0	20.0	15.1	73.0	15.1	7469, 7468, 7468,
		6909	MS				MS	<1.0	20.0	17.0	82.5	17.0	, , 7468,
		6912	MS	17.0	15.0	12.50	MS	<2.0	20.0	17.0	80.0	17.0	, 7469, 7469,
		6912	MS				MS	<2.0	20.0	15.0	70.0	15.0	, , 7469,
			BS	19.5	20.3	4.02	BS	0	20.0	19.5	97.5	19.5	, 7322, 7322,
			BS	20.0	18.9	5.66	BS	0	20.0	20.3	101.5	20.3	, 7468, 7322,
			BS	20.7	20.6	0.48	BS	0	20.0	20.0	100.0	20.0	, 7469, 7468,
							BS	0	20.0	18.9	94.5	18.9	, , 7468,
							BS	0	20.0	20.7	103.5	20.7	, , 7469,
							BS	0	20.0	20.6	103.0	20.6	, , 7469,
ETHYL BENZENE	< 1	6900	MS	22.2	17.0	26.53	MS	<2.0	20.0	22.2	106.0	22.2	7322, 7322, 7322,
8020	< 1	6900	MS				MS	<2.0	20.0	17.0	80.0	17.0	7468, , 7322,
ug/Kg	< 1	6909	MS	15.0	16.9	11.91	MS	<1.0	20.0	15.0	72.5	15.0	7469, 7468, 7469,
		6909	MS				MS	<1.0	20.0	16.9	82.0	16.9	, , 7468,
		6912	MS	17.4	15.6	10.91	MS	<2.0	20.0	17.4	82.0	17.4	, 7469, 7469,
		6912	MS				MS	<2.0	20.0	15.6	73.0	15.6	, , 7469,
			BS	19.3	20.9	7.96	BS	0	20.0	19.3	96.5	19.3	, 7322, 7322.

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Analysis	Blank Conc.	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy.
			Rep A	Rep B	RSD %	Comp Raw Smp Type	Spk Conc.	Observed Conc.	Res. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
1,2-DICHLOROBENZEN E 8020 ug/Kg	< 1	BS	19.8	18.8	5.18	BSO	0	20.0	20.9	104.5				7468, 7322,
	< 1	BS	20.7	20.5	0.97	BS	0	20.0	19.8	99.0				7469, 7468,
	< 1					BSO	0	20.0	18.8	94.0				7468,
						BS	0	20.0	20.7	103.5				7469,
						BSO	0	20.0	20.5	102.5				7469,
	< 1	6900 MS	16.3	12.4	27.18	MS	<2.0	20.0	16.3	76.5				7322, 7322, 7322,
	< 1	6900				MSO	<2.0	20.0	12.4	57.0				7468, 7322,
	< 1	6909 MS	14.2	15.9	11.30	MS	<1.0	20.0	14.2	68.5				7469, 7468, 7468,
		6909				MSO	<1.0	20.0	15.9	77.0				7468,
		6912 MS	16.3	13.7	17.33	MS	<2.0	20.0	16.3	76.5				7469, 7469,
		6912				MSO	<2.0	20.0	13.7	63.5				7469,
		BS	19.6	18.8	4.17	BS	0	20.0	19.6	98.0				7322, 7322,
1,3-DICHLOROBENZEN E 8020 ug/Kg	< 1	BS	19.9	18.9	5.15	BSO	0	20.0	18.8	94.0				7468, 7322,
		BS	20.2	21.2	4.83	BS	0	20.0	19.9	99.5				7469, 7468,
						BSO	0	20.0	18.9	94.5				7468,
						BS	0	20.0	20.2	101.0				7469,
						BSO	0	20.0	21.2	106.0				7469,
	< 1	6900 MS	16.7	12.6	27.99	MS	<2.0	20.0	16.7	78.5				7322, 7322, 7322,
	< 1	6900				MSO	<2.0	20.0	12.6	58.0				7468, 7322,
	< 1	6909 MS	14.3	15.8	9.97	MS	1.5	20.0	14.3	64.0				7469, 7468, 7468,
		6909				MSO	1.5	20.0	15.8	71.5				7468,
		6912 MS	16.3	14.4	12.38	MS	<2.0	20.0	16.3	76.5				7469, 7469,
						MSO	<2.0	20.0						

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Analysis	Blank Sample Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
				Rep A	Rep B	RPD %	Samp Raw Spk Add	Type Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
1,4-DICHLOROBENZEN E 8020 ug/Kg	< 1	6900	HS	16.7	12.5	28.77	HS	<2.0	20.0	14.4	67.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

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Analysis	Blank	Sample	Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy.	
				Rep	Rep	RPD	Samp	Raw	Samp	Spk	Add	Observed	Rec.		%
	Conc.	Number		A	B	%	Type	Conc.	Conc.	Conc.		Conc.	Conc.	%	Number
SURROGATE BROMOFLUOROBENZENE 8020 % Recovery	---	6900		---	---	---	HS	0	60.0	55.2	92.0	---	---	---	7322,
	---	6900		---	---	---	HSD	0	60.0	43.3	72.2	---	---	---	7322,
	---	6909		---	---	---	HS	0	60.0	45.2	75.3	---	---	---	7468,
	---	6909		---	---	---	HSD	0	60.0	50.1	83.5	---	---	---	7468,
	---	6912		---	---	---	HS	0	60.0	50.7	84.5	---	---	---	7469,
	---	6912		---	---	---	HSD	0	60.0	44.8	74.7	---	---	---	7469,
	---			---	---	---	B	0	60.0	55.0	91.7	---	---	---	7322,
	---			---	---	---	BS	0	60.0	64.8	108.0	---	---	---	7322,
	---			---	---	---	BSD	0	60.0	64.1	106.8	---	---	---	7322,
	---			---	---	---	B	0	60.0	63.4	105.7	---	---	---	7468,
SURROGATE LUOROTOLUENE 8020 % Recovery	---	6900		---	---	---	HS	0	60.0	59.9	99.8	---	---	---	7468,
	---	6900		---	---	---	BSD	0	60.0	56.5	94.2	---	---	---	7468,
	---	6909		---	---	---	B	0	60.0	56.5	94.2	---	---	---	7469,
	---	6909		---	---	---	BS	0	60.0	61.3	102.2	---	---	---	7469,
	---	6912		---	---	---	BSD	0	60.0	61.5	102.5	---	---	---	7469,
	---			---	---	---	HS	0	60.0	75.3	125.5	---	---	---	7322,
	---	6900		---	---	---	HSD	0	60.0	60.7	101.2	---	---	---	7322,
	---	6909		---	---	---	HS	0	60.0	48.3	80.5	---	---	---	7468,
	---	6909		---	---	---	HSD	0	60.0	54.2	90.3	---	---	---	7468,
	---	6912		---	---	---	HS	0	60.0	54.8	91.3	---	---	---	7469,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 6897, 6898, 6899, 6900, 6901, 6902, 6903, 6904, 6905, 6906, 6907, 6908, 6909, 6910, 6911, 6912, 6913, 6914, 6915,
Page 10

Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number
				Rep A	Rep B	RPD X	Seap Row Spk Add Conc.	Observed Conc.	Rec. X	Sample ID	Target Conc.	Found Conc.	Rec. X	
NAPHTHALENE 8100 ug/Kg	< 330	6976	HS	1120	1190	6.06 HS	<330	1920	1120	49.7	-----	-----	-----	7733, 7733, 7733,
	-----	6976	HS	1120	1190	6.06 MSD	<330	1920	1190	53.4	-----	-----	-----	7733, 7733,
	-----	-----	-----	-----	-----	-----	0	50.0	33.8	67.6	-----	-----	-----	7733,
	-----	-----	-----	-----	-----	-----	0	50.0	1120	49.7	-----	-----	-----	7733, 7733, 7733,
	-----	-----	-----	-----	-----	-----	0	50.0	1250	56.5	-----	-----	-----	7733, 7733,
	-----	-----	-----	-----	-----	-----	0	50.0	34.9	69.8	-----	-----	-----	7733,
ACENAPHTHYLENE 8100 ug/Kg	< 330	6976	HS	1120	1250	10.97 HS	<330	1920	1120	49.7	-----	-----	-----	7733, 7733, 7733,
	-----	6976	HS	1120	1250	10.97 MSD	<330	1920	1250	56.5	-----	-----	-----	7733, 7733,
	-----	-----	-----	-----	-----	-----	0	50.0	34.9	69.8	-----	-----	-----	7733,
ACENAPHTHENE 8100 ug/Kg	< 330	6976	HS	1130	1270	11.67 HS	<330	1920	1130	50.3	-----	-----	-----	7733, 7733, 7733,
	-----	6976	HS	1130	1270	11.67 MSD	<330	1920	1270	57.6	-----	-----	-----	7733, 7733,
	-----	-----	-----	-----	-----	-----	0	50.0	34.5	69.0	-----	-----	-----	7733,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 6897, 6898, 6899, 6900, 6901, 6902, 6903, 6904, 6905, 6906, 6907, 6908, 6909, 6910, 6911, 6912, 6913, 6914, 6915,

Page 11

Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number	
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.
FLUORENE 8100 ug/Kg	< 330	6976	MS	1210	1400	14.56	MS	<330	1920	1210	54.4				7733, 7733, 7733,
		6976	MS	1210	1400	14.56	MSD	<330	1920	1400	64.3				, 7733, 7733,
							BS	0	50.0	37.0	74.0				, 7733,
PHENANTHRENE 8100 ug/Kg	< 330	6976	MS	1100	1220	10.34	MS	<330	1920	1100	48.7				7733, 7733, 7733,
		6976	MS	1100	1220	10.34	MSD	<330	1920	1220	54.9				, 7733, 7733,
							BS	0	50.0	34.4	68.8				, 7733,
ANTHRACENE 8100 ug/Kg	< 330	6976	MS	1100	1220	10.34	MS	<330	1920	1100	48.7				7733, 7733, 7733,
		6976	MS	1100	1220	10.34	MSD	<330	1920	1220	54.9				, 7733, 7733,
							BS	0	50.0	34.4	68.8				, 7733,
FLUORANTHRENE 8100 ug/Kg	< 330	6976	MS	1250	1360	8.43	MS	<330	1920	1250	56.5				7733, 7733, 7733,
		6976	MS	1250	1360	8.43	MSD	<330	1920	1360	62.2				, 7733, 7733,
							BS	0	50.0	39.3	78.6				, 7733,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 6897, 6898, 6899, 6900, 6901, 6902, 6903, 6904, 6905, 6906, 6907, 6908, 6909, 6910, 6911, 6912, 6913, 6914, 6915,

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Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number	
	Blank Conc.	Sample Number	Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. X	Sample ID	Target Conc.		Found Conc.
PYRENE	< 330	6976 HS	1200	1300	8.00 MS		<330	1920	1200	53.9				7733, 7733, 7733,
8100		6976 HS	1200	1300	8.00 MSD		<330	1920	1300	59.1				, 7733, 7733,
ug/Kg						BS	0	50.0	37.9	75.8				, 7733,
BENZO(A)ANTHRACENE	< 330	6976 HS	1200	1370	6.79 MS		<330	1920	1200	58.1				7733, 7733, 7733,
8100		6976 HS	1200	1370	6.79 MSD		<330	1920	1370	62.8				, 7733, 7733,
ug/Kg						BS	0	50.0	39.2	78.4				, 7733,
CHRYSENE	< 330	6976 HS	1200	1370	6.79 MS		<330	1920	1200	58.1				7733, 7733, 7733,
8100		6976 HS	1200	1370	6.79 MSD		<330	1920	1370	62.8				, 7733, 7733,
ug/Kg						BS	0	50.0	39.2	78.4				, 7733,
BENZO(B)FLUORANTHENE	< 330	6976 HS	1260	1500	17.39 MS		<330	1920	1260	57.0				7733, 7733, 7733,
8100		6976 HS	1260	1500	17.39 MSD		<330	1920	1500	69.5				, 7733, 7733,
ug/Kg						BS	0	50.0	43.3	86.6				, 7733,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 6897, 6898, 6899, 6900, 6901, 6902, 6903, 6904, 6905, 6906, 6907, 6908, 6909, 6910, 6911, 6912, 6913, 6914, 6915,
Page 13

Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number	
				Rep A	Rep B	RPD	Samp Type	Raw Conc.	Spk Conc.	Adj Conc.	Observed Conc.	Rec. %	Sample ID		Target Conc.
BENZO(K)FLUORANTHRENE	< 330	6976	HS	1260	1500	17.39	HS	<330	1920	1260	57.0				7733, 7733, 7733,
NE		6976	HS	1260	1500	17.39	MSD	<330	1920	1500	69.5				, 7733, 7733,
8100							BS	0	50.0	43.3	86.6				, 7733,
ug/Kg															
BENZO(A)PYRENE	< 330	6976	HS	1170	1390	17.19	HS	<330	1920	1170	52.3				7733, 7733, 7733,
8100		6976	HS	1170	1390	17.19	MSD	<330	1920	1390	63.8				, 7733, 7733,
ug/Kg							BS	0	50.0	34.6	69.2				, 7733,
INDENO(1,2,3-CD)PYRENE	< 330	6976	HS	1140	1160	1.74	MS	<330	1920	1140	50.8				7733, 7733, 7733,
RENE		6976	HS	1140	1160	1.74	MSD	<330	1920	1160	51.8				, 7733, 7733,
8100							BS	0	50.0	34.8	69.6				, 7733,
ug/Kg															
DIBENZO(A,H)ANTHRACENE	< 330	6976	HS	1140	1160	1.74	MS	<330	1920	1140	50.8				7733, 7733, 7733,
ENE		6976					MSD	<330	1920	1160	51.8				, 7733,
8100							BS	0	50.0	34.8	69.6				, 7733,
ug/Kg															

[illegible]

ANDERSON COLUMBIA

ENVIRONMENTAL, INC.

CLAIM OF CUSTODY RECORD

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[illegible]

ANDERSON COLUMBIA

ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

Page ___ of ___

Project No.	Project Name	Sample Location		Date	Time	No. of Containers	Relinquished by:	Received by:	Date / Time	Remarks
#9084	FT. STEWART									
8080 8000 9071 8080 8000 9071										
21-TL-SL		TANK PIT		5-11-95	11:25	3	✓	✓	6904	THESE SAMPLES ARE FROM TANK #21.
21-TL-SL		TANK PIT		5-11-95	11:30	3	✓	✓	6905	
21-E.S.W.		TANK PIT		5-11-95	11:40	3	✓	✓	6906	
21-W.S.W.		TANK PIT		5-11-95	11:45	3	✓	✓	6907	
21-S.S.W.		TANK PIT		5-11-95	11:55	3	✓	✓	6908	
21-N.S.W.		TANK PIT		5-11-95	12:10	3	✓	✓	6909	THESE SAMPLES ARE FROM TANK #20.
20-TL-SL		TANK PIT		5-11-95	3:30	3	✓	✓	6910	
20-TL-SL		TANK PIT		5-11-95	3:35	3	✓	✓	6911	
20-W.S.W.		TANK PIT		5-11-95	3:45	3	✓	✓	6912	
20-E.S.W.		TANK PIT		5-11-95	3:50	3	✓	✓	6913	
20-S.S.W.		TANK PIT		5-11-95	4:00	3	✓	✓	6914	
20-N.S.W.		TANK PIT		5-11-95	4:10	3	✓	✓	6915	
Relinquished by: Received by: 5-11-95 5-11-95										
Relinquished by: Received by: 5-13-95 9:00 5-13-95 9:00										
Relinquished by: Received by: 5-13-95 9:00 5-13-95 9:00										

Remarks:
Temp vial = 3.6°C vial = vial @ C.O.C. = 3.6°C - more

Investigation: 12

	Station		12-01		12-01		12-02		12-02	
	Sample ID	Date Collected	1201A1	9/17/96	1201B1	9/17/96	1202B1	9/17/96	1202D1	9/17/96
	Depth	1.2 - 2.5 FT	2.5 - 5.0 FT	2.5 - 5.0 FT	2.5 - 5.0 FT	2.5 - 5.0 FT	2.5 - 5.0 FT	2.5 - 5.0 FT	7.5 - 10.0 FT	
GDNR Level										
Polynuclear Aromatic Hydrocarbons MG/KG										
2-Chlorophenanthrene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Acenaphthene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Acenaphthylene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Anthracene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Benzo(a)anthracene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Benzo(a)pyrene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Benzo(b)fluoranthene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Benzo(g,h,i)perylene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Benzo(k)fluoranthene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Chrysene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Dibenz(a,h)anthracene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Fluoranthene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Fluorene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Indeno(1,2,3-cd)pyrene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Naphthalene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Phenanthrene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
Pyrene	NA	0.383 U	0.409 U	0.383 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U	0.412 U
GDNR Level										
Petroleum Hydrocarbons MG/KG										
Total Petroleum Hydrocarbons	NRC	7.78 U	7.6 U	56.7 U	100 U	100 U	100 U	100 U	100 U	100 U
GDNR Level										
Volatile Organics MG/KG										
Benzene	0.008	0.0059 U	0.0061 U	0.0057 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U
Ethylbenzene	10	0.0059 U	0.0061 U	0.0057 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U
Toluene	6	0.017 U	0.0061 U	0.0057 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U
Xylenes, Total	700	0.0072 U	0.0061 U	0.0057 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U	0.0063 U

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

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

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

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

Soil Analytical Results for the
Facility ID #9-089011, UST 23, Site Investigation

Investigation: 12

Station 12-01 12-02
 Sample ID 1201W2 1202W2
 Date Collected 9/17/96 9/17/96
 Depth 5.0 - 8.0 FT 10.0 - 13.0 FT

Polynuclear Aromatic Hydrocarbons	EPA MCL	
	UG/L	UG/L
2-Chloronaphthalene	NA	10 U
Acenaphthene	NA	10 U
Acenaphthylene	NA	10 U
Anthracene	NA	10 U
Benzo(a)anthracene	NA	10 U
Benzo(a)pyrene	0.2	10 U
Benzo(b)fluoranthene	NRC	10 U
Benzo(g,h,i)perylene	NA	10 U
Benzo(k)fluoranthene	NRC	10 U
Chrysene	NRC	10 U
Dibenzo(a,h)anthracene	NRC	10 U
Fluoranthene	NA	10 U
Fluorene	NA	10 U
Indeno(1,2,3-cd)pyrene	NRC	10 U
Naphthalene	NA	10 U
Phenanthrene	NA	10 U
Pyrene	NA	10 U
Volatile Organics		
EPA MCL		UG/L
Benzene	5	5 U
Ethylbenzene	700	5 U
Toluene	1000	5 U
Xylenes, Total	10000	5 U

NRC - No Regulatory Criteria

NA - Not Applicable, the health based threshold level would be exceeded only if free product conditions existed

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

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

(U) - Indicates the compound was not detected at the reported concentration and the concentration was estimated.

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

Groundwater Analytical Results for the
 Facility ID #9-089011, UST 23, Site Investigation

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1201A1

Name: GENERAL ENGINEERING LABOR Contract: NA

Code: NA

Case No.: NA

SAS No.: NA

SDG No.: 69352S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609352-07

Sample wt/vol: 5.0 (g/mL) g

Lab File ID: B2B420

% Moisture: 15 decanted: (Y/N) N

Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP

Date Extracted: N/A

Concentrated Extract Volume: 10 (ml)

Date Analyzed: 09/26/96

Injection Volume: (uL)

Dilution Factor: 1.0

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

Sulfur Cleanup: (Y/N) N

CAS NO.

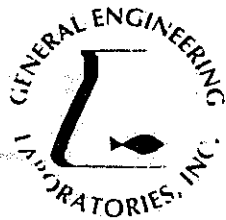
COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/Kg

Q

71-43-2-----Benzene	5.9	U	0
108-88-3-----Toluene	17		0
100-41-4-----Ethylbenzene	5.9	U	0
1330-20-7-----Xylenes (total)	7.2	B	UF01, F07



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

cc: SAIC00396

Report Date: October 28, 1996

Page 1 of 2

Sample ID : 1201A1
Lab ID : 9609352-07
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

VALIDATION

Parameter	Qualifier	Result	QUALIFIER	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep												
Evaporative Loss @ 105 C		15.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1630	91145	1
General Chemistry												
al Rec. Petro. Hydrocarbons	U	7.78	U	7.98	11.8	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.



1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1201B1

Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-11

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 1M435

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: 18 decanted: (Y/N) N Date Extracted: 09/24/96

Concentrated Extract Volume: 1 (mL) Date Analyzed: 09/26/96

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	409 U	U
91-58-7	2-chloronaphthalene	409 U	
209-96-8	acenaphthylene	409 U	
83-32-9	acenaphthene	409 U	
86-73-7	fluorene	409 U	
85-01-8	phenanthrene	409 U	
120-12-7	anthracene	409 U	
206-44-0	fluoranthene	409 U	
129-00-0	pyrene	409 U	
56-55-3	benzo (a) anthracene	409 U	
218-01-9	chrysene	409 U	
205-99-2	benzo (b) fluoranthene	409 U	
207-08-9	benzo (k) fluoranthene	409 U	
50-32-8	benzo (a) pyrene	409 U	
193-39-5	indeno (1,2,3-cd) pyrene	409 U	
53-70-3	dibenz (a,h) anthracene	409 U	
191-24-2	benzo (g,h,i) perylene	409 U	

DATA VALIDATION

1D
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1202B1

Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69353S

Matrix: (soil/water) SOIL Lab Sample ID: 9609353-10

Sample wt/vol: 5.0 (g/mL) g Lab File ID: B1B423

% Moisture: 13 decanted: (Y/N) N Date Received: 09/18/96

Extraction: (SepF/Cont/Sonc) PURGETRAP Date Extracted: N/A

Concentrated Extract Volume: 10 (ml) Date Analyzed: 09/26/96

Injection Volume: (uL) Dilution Factor: 1.0

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

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

71-43-2-----Benzene	5.7	U	U
108-88-3-----Toluene	5.7	U	U
100-41-4-----Ethylbenzene	9.3		U
1330-20-7-----Xylenes (total)	5.7	U	U

Client: Science Applications International Corp.
P.O. Box 2502
800 Oak Ridge Turnpike
Oak Ridge, Tennessee 37831
Contact: Mr. Nile Luedtke
Project Description: Ft. Stewart UST Sites

DATA VALIDATION
COPY

cc: SAIC00396

Report Date: October 30, 1996

Page 1 of 2

Sample ID : 1202B1
Lab ID : 9609353-10
Matrix : Soil
Date Collected : 09/17/96
Date Received : 09/18/96
Priority : Routine
Collector : Client

Parameter	Qualifier	Result	Validation	DL	RL	Units	DF	Analyst	Date	Time	Batch	M
Organic Prep			QUAL.									
Evaporative Loss @ 105 C		13.0		1.00	1.00	wt%	1.0	DDT	09/26/96	1730	91147	1
General Chemistry												
Initial Rec. Petro. Hydrocarbons		56.7		7.77	11.5	mg/kg	1.0	EAN	09/22/96	1800	90965	2

M = Method

Method-Description

M 1 EPA 3550
M 2 EPA 418.1 Modified

Notes:

The qualifiers in this report are defined as follows:

ND indicates that the analyte was not detected at a concentration greater than the detection limit.

J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).

U indicates that the analyte was not detected at a concentration greater than the detection limit.

* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

Data reported in mass/mass units is reported as 'dry weight'.



9609353-10

0199

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1202D1

b Name:

Contract:

Code:

Case No.:

SAS No.:

SDG No.: 69352S

Matrix: (soil/water) SOIL

Lab Sample ID: 9609352-06

Sample wt/vol: 30.7 (g/mL) g

Lab File ID: 4M519

Level: (low/med) LOW

Date Received: 09/18/96

% Moisture: 21 decanted: (Y/N) N

Date Extracted: 09/23/96

Concentrated Extract Volume: 1 (mL)

Date Analyzed: 09/27/96

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	412	U
91-58-7-----	2-chloronaphthalene	412	U
209-96-8-----	acenaphthylene	412	U
83-32-9-----	acenaphthene	412	U
86-73-7-----	fluorene	412	U
85-01-8-----	phenanthrene	412	U
120-12-7-----	anthracene	412	U
206-44-0-----	fluoranthene	412	U
129-00-0-----	pyrene	412	U
56-55-3-----	benzo (a) anthracene	412	U
218-01-9-----	chrysene	412	U
205-99-2-----	benzo (b) fluoranthene	412	U
207-08-9-----	benzo (k) fluoranthene	412	U
50-32-8-----	benzo (a) pyrene	412	U
193-39-5-----	indeno (1,2,3-cd) pyrene	412	U
53-70-3-----	dibenz (a,h) anthracene	412	U
191-24-2-----	benzo (g,h,i) perylene	412	U

U
↓
US P02
↓

CHAIN OF CUSTODY RECORD

COC NO.: G4666

PROJECT NAME: Fort Stewart UST Sites				REQUESTED PARAMETERS										LABORATORY NAME: GEL	
PROJECT NUMBER: 0003														LABORATORY ADDRESS: 2040 Savage Road Charleston, SC 29417	
PROJECT MANAGER: Chris Potter														PHONE NO: (803) 558-8171	
Sampler (Signature) <i>Sharon Stoller</i>														OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS	
Sample ID	Date Collected	Time Collected	Matrix	BTEX GRO	BTEX	PAH, Lead, DRO	PAH	Lead	DRO	PAH, Lead, TPH	PAH, DRO	TOH	No. of Bottles/Vials	OVA SCREENING	
1202W2	9/17/96	0955	WATER		2		2						1	12.2 ppm	9609348-17
1201W2	9/17/96	1055	WATER		2		2						4	16.3 ppm	9609348-18
3804RS	9/17/96	1705	WATER	2									2	N/A	9609348-19
3804W2	9/17/96	1810	WATER		2								2	0 ppm	9609351-01
1TB0032	9/17/96	0730	WATER		2								2	N/A	9609351-08
2302W2	9/17/96	1630	WATER		2								2	0 ppm	9609351-03
1202W2															55 9/18/96
2303W2	9/17/96	1425	WATER		2								2	0 ppm	9609351-04
2301W2	9/17/96	1500	WATER		2								2	23.2	9609351-05
2303RS	9/17/96	1245	WATER		2								2	N/A	9609351-06
3502W2	9/17/96	1610	WATER		2								2	not recorded	9609351-07
5101RS	9/17/96	1355	WATER		2								2	N/A	9609351-08
TB0034	9/17/96	0730	WATER		2								2	N/A	9609351-09
RELINQUISHED BY: <i>Sharon Stoller</i>				Date/Time 9/19/96		RECEIVED BY: <i>B. Buckner</i>		Date/Time 9/18/96		TOTAL NUMBER OF CONTAINERS: 48		Cooler ID: #228		Cooler Temperature: 20	
COMPANY NAME: SAIC				1325		COMPANY NAME: GSC		1325							
RECEIVED BY:				Date/Time		RELINQUISHED BY: <i>B. Buckner</i>		Date/Time 9/18/96							
COMPANY NAME:						COMPANY NAME: GSC		1801							
RELINQUISHED BY:				Date/Time		RECEIVED BY: <i>Sharon Stoller</i>		Date/Time 1815							
COMPANY NAME: G						COMPANY NAME: GSC		09-1896							

NOTE: THE PAH & LEAD PORTIONS OF 2301W2 WILL BE COLLECTED ON 9/18/96 DUE TO SLOW RECHARGE OF THE PIEZOMETER.

5.5.67

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1201W2

Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 69348W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609348-18

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4N109

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: decanted: (Y/N) Date Extracted: 09/21/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/30/96

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/L Q

91-20-3	-----naphthalene	7.0	J
91-58-7	-----2-chloronaphthalene	10.0	U
209-96-8	-----acenaphthylene	10.0	U
83-32-9	-----acenaphthene	10.0	U
86-73-7	-----fluorene	10.0	U
85-01-8	-----phenanthrene	10.0	U
120-12-7	-----anthracene	10.0	U
206-44-0	-----fluoranthene	10.0	U
129-00-0	-----pyrene	10.0	U
56-55-3	-----benzo (a) anthracene	10.0	U
218-01-9	-----chrysene	10.0	U
205-99-2	-----benzo (b) fluoranthene	10.0	U
207-08-9	-----benzo (k) fluoranthene	10.0	U
50-32-8	-----benzo (a) pyrene	10.0	U
193-39-5	-----indeno (1,2,3-cd) pyrene	10.0	U
53-70-3	-----dibenz (a,h) anthracene	10.0	U
191-24-2	-----benzo (g,h,i) perylene	10.0	U

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

1202W2

Name: GENERAL ENGINEERING LABOR Contract:

Code: Case No.: SAS No.: SDG No.: 69348W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609348-17

Sample wt/vol: 500 (g/mL) mL Lab File ID: 4N108

Level: (low/med) LOW Date Received: 09/18/96

% Moisture: decanted: (Y/N) Date Extracted: 09/21/96

Concentrated Extract Volume: 0.5 (mL) Date Analyzed: 09/30/96

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/L	Q
91-20-3	-----naphthalene	10.0 U	U ↓
91-58-7	-----2-chloronaphthalene	10.0 U	
209-96-8	-----acenaphthylene	10.0 U	
83-32-9	-----acenaphthene	10.0 U	
86-73-7	-----fluorene	10.0 U	
85-01-8	-----phenanthrene	10.0 U	
120-12-7	-----anthracene	10.0 U	
206-44-0	-----fluoranthene	10.0 U	
129-00-0	-----pyrene	10.0 U	
56-55-3	-----benzo(a)anthracene	10.0 U	
218-01-9	-----chrysene	10.0 U	
205-99-2	-----benzo(b)fluoranthene	10.0 U	
207-08-9	-----benzo(k)fluoranthene	10.0 U	
50-32-8	-----benzo(a)pyrene	10.0 U	
193-39-5	-----indeno(1,2,3-cd)pyrene	10.0 U	
53-70-3	-----dibenz(a,h)anthracene	10.0 U	
191-24-2	-----benzo(g,h,i)perylene	10.0 U	

CONTINUATION OF DATA FOR SAMPLE NUMBER 7206

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SURROGATE BROMOFLUOROBENZENE	66 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	87 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1800 ug/Kg	1800				5
ACENAPHTHYLENE	<1800 ug/Kg	1800				5
ACENAPHTHENE	<1800 ug/Kg	1800				5
FLUORENE	<1800 ug/Kg	1800				5
PHENANTHRENE	<1800 ug/Kg	1800				5
ANTHRACENE	<1800 ug/Kg	1800				5
FLUORANTHENE	<1800 ug/Kg	1800				5
PYRENE	<1800 ug/Kg	1800				5
BENZO(A)ANTHRACENE	<1800 ug/Kg	1800				5
CHRYSENE	<1800 ug/Kg	1800				5
BENZO(B)FLUORANTHENE	<1800 ug/Kg	1800				5
BENZO(K)FLUORANTHENE	<1800 ug/Kg	1800				5
BENZO(A)PYRENE	<1800 ug/Kg	1800				5
BENZO(1,2,3-CD)PYRENE	<1800 ug/Kg	1800				5
BENZO(A,H)ANTHRACENE	<1800 ug/Kg	1800				5
BENZO(G,H,I)PERYLENE	<1800 ug/Kg	1800				5
SURROGATE 2-FLUOROBIPHENYL	97.0 % Recovery					
SURROGATE O-TERPHENYL	144 % Recovery					

SAMPLE ID- #23-T1-S1
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 7207
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
 TIME SAMPLED- 1605
 DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
 DELIVERED BY- Greyhound
 RECEIVED BY- RM
 SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	79.1 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	<12.6 mg/Kg	12.6	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/02/95	8020	
BENZENE	<2.53 ug/Kg	2.53				2
TOLUENE	<2.53 ug/Kg	2.53				2
CHLOROBENZENE	<2.53 ug/Kg	2.53				2
M,P-XYLENES	<5.06 ug/Kg	5.06				2
O-XYLENES	<2.53 ug/Kg	2.53				2
ETHYL BENZENE	3.92 ug/Kg	2.53				2

CONTINUATION OF DATA FOR SAMPLE NUMBER 7207

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
1,2-DICHLOROBENZENE	<2.53 ug/Kg	2.53				2
1,3-DICHLOROBENZENE	<2.53 ug/Kg	2.53				2
1,4-DICHLOROBENZENE	<2.53 ug/Kg	2.53				2
SURROGATE BROMOFLUOROBENZENE	70 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	86 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<2080 ug/Kg	2080				5
ACENAPHTHYLENE	<2080 ug/Kg	2080				5
ACENAPHTHENE	<2080 ug/Kg	2080				5
FLUORENE	<2080 ug/Kg	2080				5
PHENANTHRENE	<2080 ug/Kg	2080				5
ANTHRACENE	<2080 ug/Kg	2080				5
FLUORANTHENE	<2080 ug/Kg	2080				5
PYRENE	<2080 ug/Kg	2080				5
BENZO(A)ANTHRACENE	<2080 ug/Kg	2080				5
CHRYSENE	<2080 ug/Kg	2080				5
BENZO(B)FLUORANTHENE	<2080 ug/Kg	2080				5
BENZO(K)FLUORANTHENE	<2080 ug/Kg	2080				5
BENZO(A)PYRENE	<2080 ug/Kg	2080				5
INDENO(1,2,3-CD)PYRENE	<2080 ug/Kg	2080				5
DIBENZ(A,H)ANTHRACENE	<2080 ug/Kg	2080				5
BENZO(G,H,I)PERYLENE	<2080 ug/Kg	2080				5
SURROGATE 2-FLUOROBIPHENYL	70.0 % Recovery					
SURROGATE O-TERPHENYL	77.0 % Recovery					

SAMPLE ID- #23-T1-S2
LOCATION- Ft. Stewart
SAMPLE NUMBER- 7208
SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
TIME SAMPLED- 1610
DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
DELIVERED BY- Grayhound
RECEIVED BY- RM
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	86.0 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	29.0 mg/Kg	11.6	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/02/95	8020	
BENZENE	<2.32 ug/Kg	2.32				2
TOLUENE	<2.32 ug/Kg	2.32				2
CHLOROBENZENE	<2.32 ug/Kg	2.32				2

CONTINUATION OF DATA FOR SAMPLE NUMBER 7208

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
M, P-XYLENES	37.6 ug/Kg	4.65				2
O-XYLENES	<2.32 ug/Kg	2.32				2
ETHYL BENZENE	17.6 ug/Kg	2.32				2
1,2-DICHLOROBENZENE	28.8 ug/Kg	2.32				2
1,3-DICHLOROBENZENE	<2.32 ug/Kg	2.32				2
1,4-DICHLOROBENZENE	<2.32 ug/Kg	2.32				2
SURROGATE BROMOFLUOROBENZENE	72 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	78 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1920 ug/Kg	1920				5
ACENAPHTHYLENE	<1920 ug/Kg	1920				5
ACENAPHTHENE	<1920 ug/Kg	1920				5
FLUORENE	<1920 ug/Kg	1920				5
PHENANTHRENE	<1920 ug/Kg	1920				5
ANTHRACENE	<1920 ug/Kg	1920				5
FLUORANTHENE	<1920 ug/Kg	1920				5
ENE	<1920 ug/Kg	1920				5
ZO(A)ANTHRACENE	<1920 ug/Kg	1920				5
ARYSENE	<1920 ug/Kg	1920				5
BENZO(B)FLUORANTHENE	<1920 ug/Kg	1920				5
BENZO(K)FLUORANTHENE	<1920 ug/Kg	1920				5
BENZO(A)PYRENE	<1920 ug/Kg	1920				5
INDENO(1,2,3-CD)PYRENE	<1920 ug/Kg	1920				5
DIBENZ(A,H)ANTHRACENE	<1920 ug/Kg	1920				5
BENZO(G,H,I)PERYLENE	<1920 ug/Kg	1920				5
SURROGATE 2-FLUOROBIPHENYL	71.0 % Recovery					
SURROGATE O-TERPHENYL	88.0 % Recovery					

SAMPLE ID- #23-N.S.W.

LOCATION- FT. Stewart

SAMPLE NUMBER- 7209

SAMPLE MATRIX- SOIL

TIME RECEIVED- 1300

DELIVERED BY- Grayhound

RECEIVED BY- RM

DATE SAMPLED- 05/22/95

TIME SAMPLED- 1620

DATE RECEIVED- 05/24/95

SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	82.8 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	53.7 mg/Kg	12.1	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/02/95	8020	

CONTINUATION OF DATA FOR SAMPLE NUMBER 7209

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZENE	<2.42 ug/Kg	2.42				2
TOLUENE	<2.42 ug/Kg	2.42				2
CHLOROBENZENE	<2.42 ug/Kg	2.42				2
M,P-XYLENES	33.1 ug/Kg	4.83				2
O-XYLENES	<2.42 ug/Kg	2.42				2
ETHYL BENZENE	<2.42 ug/Kg	2.42				2
1,2-DICHLOROBENZENE	<2.42 ug/Kg	2.42				2
1,3-DICHLOROBENZENE	<2.42 ug/Kg	2.42				2
1,4-DICHLOROBENZENE	<2.42 ug/Kg	2.42				2
SURROGATE BROMOFLUOROBENZENE	85 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	92 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1990 ug/Kg	1990				5
ACENAPHTHYLENE	<1990 ug/Kg	1990				5
ACENAPHTHENE	<1990 ug/Kg	1990				5
FLUORENE	<1990 ug/Kg	1990				5
ANTHRENE	<1990 ug/Kg	1990				5
HRACENE	<1990 ug/Kg	1990				5
FLUORANTHENE	<1990 ug/Kg	1990				5
PYRENE	<1990 ug/Kg	1990				5
BENZO(A)ANTHRACENE	<1990 ug/Kg	1990				5
CHRYSENE	<1990 ug/Kg	1990				5
BENZO(B)FLUORANTHENE	<1990 ug/Kg	1990				5
BENZO(K)FLUORANTHENE	<1990 ug/Kg	1990				5
BENZO(A)PYRENE	<1990 ug/Kg	1990				5
INDENO(1,2,3-CD)PYRENE	<1990 ug/Kg	1990				5
DIBENZ(A,H)ANTHRACENE	<1990 ug/Kg	1990				5
BENZO(G,H,I)PERYLENE	<1990 ug/Kg	1990				5
SURROGATE 2-FLUOROBIPHENYL	63.0 % Recovery					
SURROGATE O-TERPHENYL	126 % Recovery					

SAMPLE ID- #23-S.S.W.
LOCATION- FT. Stewart
SAMPLE NUMBER- 7210
SAMPLE MATRIX- SOIL

TIME RECEIVED- 1300
DELIVERED BY- Greyhound
RECEIVED BY- RM
DATE SAMPLED- 05/22/95
TIME SAMPLED- 1625
DATE RECEIVED- 05/24/95
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	86.1 %	0.01		05/31/95		

CONTINUATION OF DATA FOR SAMPLE NUMBER 7210

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
TOT. PET. HYDROCARBONS-OIL	310. mg/Kg	11.6	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/02/95	8020	
BENZENE	<2.32 ug/Kg	2.32				2
TOLUENE	<2.32 ug/Kg	2.32				2
CHLOROBENZENE	<2.32 ug/Kg	2.32				2
M, P-XYLENES	<4.64 ug/Kg	4.64				2
O-XYLENES	<2.32 ug/Kg	2.32				2
ETHYL BENZENE	<2.32 ug/Kg	2.32				2
1,2-DICHLOROBENZENE	5.11 ug/Kg	2.32				2
1,3-DICHLOROBENZENE	<2.32 ug/Kg	2.32				2
1,4-DICHLOROBENZENE	<2.32 ug/Kg	2.32				2
SURROGATE BROMOFLUOROBENZENE	70 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	87 % Recovery					
MTBE	0.0 ug/Kg					
DIPE	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB				06/02/95	06/08/95 8100	
NAPHTHALENE	<1920 ug/Kg	1920				5
1-NAPHTHYLENE	<1920 ug/Kg	1920				5
1-NAPHTHENE	<1920 ug/Kg	1920				5
FLUORENE	<1920 ug/Kg	1920				5
PHENANTHRENE	<1920 ug/Kg	1920				5
ANTHRACENE	<1920 ug/Kg	1920				5
FLUORANTHENE	<1920 ug/Kg	1920				5
PYRENE	<1920 ug/Kg	1920				5
BENZO (A) ANTHRACENE	<1920 ug/Kg	1920				5
CHRYSENE	<1920 ug/Kg	1920				5
BENZO (B) FLUORANTHENE	<1920 ug/Kg	1920				5
BENZO (K) FLUORANTHENE	<1920 ug/Kg	1920				5
BENZO (A) PYRENE	<1920 ug/Kg	1920				5
INDENO (1,2,3-CD) PYRENE	<1920 ug/Kg	1920				5
DIBENZ (A,H) ANTHRACENE	<1920 ug/Kg	1920				5
BENZO (G,H,I) PERYLENE	<1920 ug/Kg	1920				5
SURROGATE 2-FLUOROBIPHENYL	72.0 % Recovery					
SURROGATE O-TERPHENYL	95.0 % Recovery					

SAMPLE ID- #23-E.S.W.
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 7211
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
 TIME SAMPLED- 1635
 DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
 DELIVERED BY- Grayhound
 RECEIVED BY- RM
 SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	84.3 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	187. mg/Kg	11.9	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/05/95	8020	
BENZENE	<2.37 ug/Kg	2.37				2
TOLUENE	<2.37 ug/Kg	2.37				2
CHLOROBENZENE	<2.37 ug/Kg	2.37				2
M,P-XYLENES	<4.74 ug/Kg	4.74				2
O-XYLENES	<2.37 ug/Kg	2.37				2
ETHYL BENZENE	<2.37 ug/Kg	2.37				2
1,2-DICHLOROBENZENE	<2.37 ug/Kg	2.37				2
1,3-DICHLOROBENZENE	<2.37 ug/Kg	2.37				2
1,4-DICHLOROBENZENE	<2.37 ug/Kg	2.37				2
SURROGATE BROMOFLUOROBENZENE	56 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	86 % Recovery					
3E	0.0 ug/Kg					
2E	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1960 ug/Kg	1960				5
ACENAPHTHYLENE	<1960 ug/Kg	1960				5
ACENAPHTHENE	<1960 ug/Kg	1960				5
FLUORENE	<1960 ug/Kg	1960				5
PHENANTHRENE	<1960 ug/Kg	1960				5
ANTHRACENE	<1960 ug/Kg	1960				5
FLUORANTHENE	<1960 ug/Kg	1960				5
PYRENE	<1960 ug/Kg	1960				5
BENZO(A)ANTHRACENE	<1960 ug/Kg	1960				5
CHRYSENE	<1960 ug/Kg	1960				5
BENZO(B)FLUORANTHENE	<1960 ug/Kg	1960				5
BENZO(K)FLUORANTHENE	<1960 ug/Kg	1960				5
BENZO(A)PYRENE	<1960 ug/Kg	1960				5
INDENO(1,2,3-CD)PYRENE	<1960 ug/Kg	1960				5
DIBENZ(A,H)ANTHRACENE	<1960 ug/Kg	1960				5
BENZO(G,H,I)PERYLENE	<1960 ug/Kg	1960				5
SURROGATE 2-FLUOROBIPHENYL	72.0 % Recovery					
SURROGATE O-TERPHENYL	78.0 % Recovery					

SAMPLE ID- #23-W.S.W.
 LOCATION- FT. Stewart
 SAMPLE NUMBER- 7212
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 05/22/95
 TIME SAMPLED- 1640
 DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
 DELIVERED BY- Greyhound
 RECEIVED BY- RM
 SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	85.7 %	0.01		05/31/95		
TOT. PET. HYDROCARBONS-OIL	184. mg/Kg	11.7	06/05/95	06/08/95	9071	
VOLATILE ORGANIC COMPOUNDS				06/05/95	8020	
BENZENE	<2.33 ug/Kg	2.33				2
TOLUENE	<2.33 ug/Kg	2.33				2
CHLOROBENZENE	<2.33 ug/Kg	2.33				2
M,P-XYLENES	<4.67 ug/Kg	4.67				2
O-XYLENES	<2.33 ug/Kg	2.33				2
ETHYL BENZENE	<2.33 ug/Kg	2.33				2
1,2-DICHLOROBENZENE	<2.33 ug/Kg	2.33				2
1,3-DICHLOROBENZENE	<2.33 ug/Kg	2.33				2
1,4-DICHLOROBENZENE	<2.33 ug/Kg	2.33				2
SURROGATE BROMOFLUOROBENZENE	69 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	100 % Recovery					
E	0.0 ug/Kg					
E	0.0 ug/Kg					
POLYNUCLEAR AROMATIC HYDROCARB			06/02/95	06/08/95	8100	
NAPHTHALENE	<1920 ug/Kg	1920				5
ACENAPHTHYLENE	<1920 ug/Kg	1920				5
ACENAPHTHENE	<1920 ug/Kg	1920				5
FLUORENE	<1920 ug/Kg	1920				5
PHENANTHRENE	<1920 ug/Kg	1920				5
ANTHRACENE	<1920 ug/Kg	1920				5
FLUORANTHENE	<1920 ug/Kg	1920				5
PYRENE	<1920 ug/Kg	1920				5
BENZO(A)ANTHRACENE	<1920 ug/Kg	1920				5
CHRYSENE	<1920 ug/Kg	1920				5
BENZO(B)FLUORANTHENE	<1920 ug/Kg	1920				5
BENZO(K)FLUORANTHENE	<1920 ug/Kg	1920				5
BENZO(A)PYRENE	<1920 ug/Kg	1920				5
INDENO(1,2,3-CD)PYRENE	<1920 ug/Kg	1920				5
DIBENZ(A,H)ANTHRACENE	<1920 ug/Kg	1920				5
BENZO(G,H,I)PERYLENE	<1920 ug/Kg	1920				5
SURROGATE 2-FLUOROBIPHENYL	62.0 % Recovery					
SURROGATE O-TERPHENYL	68.0 % Recovery					

SAMPLE ID- Trip Blank
LOCATION- FT. Stewart
SAMPLE NUMBER- 7213
SAMPLE MATRIX- GROUNDWATER

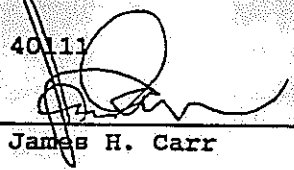
DATE SAMPLED- 05/22/95
TIME SAMPLED- NA
DATE RECEIVED- 05/24/95

TIME RECEIVED- 1300
DELIVERED BY- Greyhound
RECEIVED BY- RM
SAMPLER- Lamar L. Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS				06/05/95	8020	
BENZENE	< 1 ug/L	1				
TOLUENE	1.0 ug/L	1				
CHLOROBENZENE	< 1 ug/L	1				
M,P-XYLENES	< 2 ug/L	2				
O-XYLENES	< 1 ug/L	1				
ETHYL BENZENE	< 1 ug/L	1				
1,2-DICHLOROBENZENE	< 1 ug/L	1				
1,3-DICHLOROBENZENE	< 1 ug/L	1				
1,4-DICHLOROBENZENE	< 1 ug/L	1				
SURROGATE BROMOFLUOROBENZENE	85 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	105 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				

CDHEC Laboratory ID 40111

LABORATORY DIRECTOR


James H. Carr

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

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Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number		
	Blank Conc.	Sample Number	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
BENZENE 8020 ug/L	< 1	7298 MS	31.9	32.5	1.86	MS	14.9	20.0	31.9	85.0					7539, 7539, 7539,
		7298				MSD	14.9	20.0	32.5	88.0					, 7539,
			16.5	17.8	7.58	BS	0	20.0	16.5	82.5					, 7539, 7539,
						BSD	0	20.0	17.8	89.0					, 7539,
TOLUENE 8020 ug/L	< 1	7298 MS	19.6	19.7	0.51	MS	3.0	20.0	19.6	83.0					7539, 7539, 7539,
		7298				MSD	3.0	20.0	19.7	83.5					, 7539,
			16.2	17.7	8.85	BS	0	20.0	16.2	81.0					, 7539, 7539,
						BSD	0	20.0	17.7	88.5					, 7539,
CHLOROBENZENE 8020 ug/L	< 1	7298 MS	17.8	18.0	1.12	MS	<1.0	20.0	17.8	86.5					7539, 7539, 7539,
		7298				MSD	<1.0	20.0	18.0	87.5					, 7539,
			16.4	18.2	10.40	BS	0	20.0	16.4	82.0					, 7539, 7539,
						BSD	0	20.0	18.2	91.0					, 7539,
M,P-XYLENES 8020 ug/L	< 2	7298 MS	58.0	58.1	0.17	MS	22.1	40.0	58.0	89.8					7539, 7539, 7539,
		7298				MSD	22.1	40.0	58.1	90.0					, 7539,
			34.5	37.9	9.39	BS	0	40.0	34.5	86.3					, 7539, 7539,
						BSD	0	40.0	37.9	94.8					, 7539,
O-XYLENES 8020 ug/L	< 1	7298 MS	27.1	27.2	0.37	MS	9.6	20.0	27.1	87.5					7539, 7539, 7539,
		7298				MSD	9.6	20.0	27.2	88.0					, 7539,
			16.9	18.8	10.64	BS	0	20.0	16.9	84.5					, 7539, 7539,
						BSD	0	20.0	18.8	94.0					, 7539,

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				Precision Data			Accuracy Data			Ref. Sample Data					Analy.		
Analysis	Blank Conc.	Sample Number	Samp Type	Rep	Rep	RPD	Samp Type	Raw Conc.	Samp Conc.	Spk Add	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Batch Number
				A	B	%											
ETHYL BENZENE	< 1	7298	MS	24.2	24.3	0.41	MS	6.0	20.0		24.2	91.0					7539, 7539, 7539,
		7298					MSD	6.0	20.0		24.3	91.5					, 7539,
			BS	17.5	18.9	7.69	BS	0	20.0		17.5	87.5					, 7539, 7539,
							BSD	0	20.0		18.9	94.5					, 7539,
1,2-DICHLOROBENZENE	< 1	7298	MS	18.8	18.7	0.53	MS	<1.0	20.0		18.8	91.5					7539, 7539, 7539,
		7298					MSD	<1.0	20.0		18.7	91.0					, 7539,
			BS	16.3	19.0	15.30	BS	0	20.0		16.3	81.5					, 7539, 7539,
							BSD	0	20.0		19.0	95.0					, 7539,
1,3-DICHLOROBENZENE	< 1	7298	MS	18.7	18.7	0.00	MS	<1.0	20.0		18.7	91.0					7539, 7539, 7539,
		7298					MSD	<1.0	20.0		18.7	91.0					, 7539,
			BS	16.9	18.8	10.64	BS	0	20.0		16.9	84.5					, 7539, 7539,
							BSD	0	20.0		18.8	94.0					, 7539,
1,4-DICHLOROBENZENE	< 1	7298	MS	18.7	18.6	0.54	MS	<1.0	20.0		18.7	91.0					7539, 7539, 7539,
		7298					MSD	<1.0	20.0		18.6	90.5					, 7539,
			BS	16.8	18.9	11.76	BS	0	20.0		16.8	84.0					, 7539, 7539,
							BSD	0	20.0		18.9	94.5					, 7539,
SURROGATE		7298					MS	0	60.0		51.5	85.8					7539,
BROMOFLUOROBENZENE		7298					MSD	0	60.0		50.7	84.5					7539,
8020							B	0	60.0		44.4	74.0					7539,
% Recovery							BS	0	60.0		46.7	77.8					7539,
							BSD	0	60.0		51.3	85.5					7539,

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Analysis	Blank	Sample	Precision Data			Accuracy Data			Ref. Sample Data				Analy.
			Rep	Rep	RPD	Samp	Raw	Samp	Rec.	Sample	Target	Found	
Conc.	Conc.	Type	A	B	%	Type	Conc.	Conc.	%	ID	Conc.	Conc.	Batch
Number	Number												Number

SURROGATE aaa-TRIF	< 10.0	7298	MSD	10.0	10.0	0.00	MS	0	60.0	100.0	60.0	100.0	7539,
LUOROTOLUENE	< 10.0	7298	MSD	24.7	14.8	50.13	MSD	0	60.0	99.8	59.9	99.8	7539,
8020	< 10.0						B	0	60.0	87.8	52.7	87.8	7539,
% Recovery	< 10.0						BS	0	60.0	88.5	53.1	88.5	7539,
							BSD	0	60.0	100.0	60.0	100.0	7539,

TOT. PET.	< 10.0	7084	MSD	10.0	10.0	0.00							7595, 7595,
HYDROCARBONS-OIL	< 10.0	7092	MSD	24.7	14.8	50.13							7595, 7595,
9071	< 10.0	7207	MSD	10.0	10.0	0.00							7596, 7596,
mg/Kg	< 10.0	7224	MSD	69.8	39.9	54.51							7596, 7596,
							BS	.0024	.0192	87.5	.0192		7595,
							BS	.0014	.0183	94.5	.0187		7596,

BENZENE	< 1	7102	MS	18.3	17.5	4.47	MS	<2.0	20.0	82.5	17.5	82.5	7495, 7495, 7495,
8020	< 1	7102	MS	17.5	17.1	2.31	MSD	<2.0	20.0	80.5	17.1	80.5	7538, 7495, 7495,
ug/Kg	< 1	7278	MS	15.2	14.4	5.41	MS	<2.0	20.0	71.0	15.2	71.0	7546, 7546, 7546,
		7278					MSD	<2.0	20.0	67.0	14.4	67.0	7546,
		7280	MS	16.4	16.2	1.23	MS	<2.0	20.0	77.0	16.4	77.0	7538, 7538,
		7280					MSD	<2.0	20.0	76.0	16.2	76.0	7538,
			BS	14.5	18.3	23.17	BS	0	20.0	72.5	14.5	72.5	7495, 7495,
			BS	16.9	18.3	7.95	BSD	0	20.0	91.5	18.3	91.5	7538, 7495,
			BS	16.5	17.8	7.58	BS	0	20.0	84.5	16.9	84.5	7546, 7538,
							BSD	0	20.0	91.5	18.3	91.5	7538,
							BS	0	20.0	82.5	16.5	82.5	7546,
							BSD	0	20.0	89.0	17.8	89.0	7546,

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Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number			
	Blank Conc.	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID		Target Conc.	Found Conc.	Rec. %
M,P-XYLENES 8020 ug/Kg	< 2	7102 HS	37.8	36.7	2.95	MS	<4.0		40.0	40.0	37.8	89.5				7495, 7495, 7495,
	< 2	7102 HS	37.8	36.7	2.95	MSD	<4.0		40.0	40.0	36.7	86.8				7538, 7495, 7495,
	< 2	7278 HS	29.9	29.6	1.01	MS	<4.0		40.0	40.0	29.9	69.8				7546, 7546, 7546,
		7278				MSD	<4.0		40.0	40.0	29.6	69.0				, 7546,
		7280 HS	34.0	34.4	1.17	MS	<4.0		40.0	40.0	34.0	80.0				, 7538, 7538,
		7280				MSD	<4.0		40.0	40.0	34.4	81.0				, 7538,
		BS	30.5	39.4	25.46	BS	0		40.0	40.0	30.5	76.3				7495, 7495,
		BS	35.7	37.7	5.45	BSD	0		40.0	40.0	39.4	98.5				7538, 7495,
		BS	34.5	37.9	9.39	BS	0		40.0	40.0	35.7	89.3				7546, 7538,
						BSD	0		40.0	40.0	37.7	94.3				, 7538,
O-XYLENES 8020 ug/Kg	< 1	7102 HS	18.6	18.0	3.28	MS	<2.0		20.0	20.0	18.6	88.0				7495, 7495, 7495,
	< 1	7102				MSD	<2.0		20.0	20.0	18.0	85.0				7538, 7495,
	< 1	7278 HS	14.9	14.2	4.81	MS	<2.0		20.0	20.0	14.9	69.5				7546, 7546, 7546,
		7278				MSD	<2.0		20.0	20.0	14.2	66.0				, 7546,
		7280 HS	16.8	16.9	0.59	MS	<2.0		20.0	20.0	16.8	79.0				, 7538, 7538,
		7280				MSD	<2.0		20.0	20.0	16.9	79.5				, 7538,
		BS	15.3	19.4	23.63	BS	0		20.0	20.0	15.3	76.5				7495, 7495,
		BS	17.6	18.9	7.12	BSD	0		20.0	20.0	19.4	97.0				7538, 7495,
		BS	16.9	18.8	10.64	BS	0		20.0	20.0	17.6	88.0				7546, 7538,
						BSD	0		20.0	20.0	18.9	94.5				, 7538,
					BS	0		20.0	20.0	16.9	84.5				, 7546,	
					BSD	0		20.0	20.0	18.8	94.0				, 7546,	

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213, 7214, 7215, 7216, 7217, 7218, 7219, 7220, 7221, 7222, 7223, 7224, 7225, 7226, 7227, 7228, 7229, 7230, 7231, 7232, 7233, 7234, 7235, 7236, 7237, 7238, 7239, 7240, 7241, 7242, 7243, 7244, 7245, 7246, 7247, 7248, 7249, 7250, 7251, 7252, 7253, 7254, 7255, 7256, 7257, 7258, 7259, 7260, 7261, 7262, 7263, 7264, 7265, 7266, 7267, 7268, 7269, 7270, 7271, 7272, 7273, 7274, 7275, 7276, 7277, 7278, 7279, 7280, 7281, 7282, 7283, 7284, 7285, 7286, 7287, 7288, 7289, 7290, 7291, 7292, 7293, 7294, 7295, 7296, 7297, 7298, 7299, 7300, 7301, 7302, 7303, 7304, 7305, 7306, 7307, 7308, 7309, 7310, 7311, 7312, 7313, 7314, 7315, 7316, 7317, 7318, 7319, 7320, 7321, 7322, 7323, 7324, 7325, 7326, 7327, 7328, 7329, 7330, 7331, 7332, 7333, 7334, 7335, 7336, 7337, 7338, 7339, 7340, 7341, 7342, 7343, 7344, 7345, 7346, 7347, 7348, 7349, 7350, 7351, 7352, 7353, 7354, 7355, 7356, 7357, 7358, 7359, 7360, 7361, 7362, 7363, 7364, 7365, 7366, 7367, 7368, 7369, 7370, 7371, 7372, 7373, 7374, 7375, 7376, 7377, 7378, 7379, 7380, 7381, 7382, 7383, 7384, 7385, 7386, 7387, 7388, 7389, 7390, 7391, 7392, 7393, 7394, 7395, 7396, 7397, 7398, 7399, 7400, 7401, 7402, 7403, 7404, 7405, 7406, 7407, 7408, 7409, 7410, 7411, 7412, 7413, 7414, 7415, 7416, 7417, 7418, 7419, 7420, 7421, 7422, 7423, 7424, 7425, 7426, 7427, 7428, 7429, 7430, 7431, 7432, 7433, 7434, 7435, 7436, 7437, 7438, 7439, 7440, 7441, 7442, 7443, 7444, 7445, 7446, 7447, 7448, 7449, 7450, 7451, 7452, 7453, 7454, 7455, 7456, 7457, 7458, 7459, 7460, 7461, 7462, 7463, 7464, 7465, 7466, 7467, 7468, 7469, 7470, 7471, 7472, 7473, 7474, 7475, 7476, 7477, 7478, 7479, 7480, 7481, 7482, 7483, 7484, 7485, 7486, 7487, 7488, 7489, 7490, 7491, 7492, 7493, 7494, 7495, 7496, 7497, 7498, 7499, 7500, 7501, 7502, 7503, 7504, 7505, 7506, 7507, 7508, 7509, 7510, 7511, 7512, 7513, 7514, 7515, 7516, 7517, 7518, 7519, 7520, 7521, 7522, 7523, 7524, 7525, 7526, 7527, 7528, 7529, 7530, 7531, 7532, 7533, 7534, 7535, 7536, 7537, 7538, 7539, 7540, 7541, 7542, 7543, 7544, 7545, 7546, 7547, 7548, 7549, 7550, 7551, 7552, 7553, 7554, 7555, 7556, 7557, 7558, 7559, 7560, 7561, 7562, 7563, 7564, 7565, 7566, 7567, 7568, 7569, 7570, 7571, 7572, 7573, 7574, 7575, 7576, 7577, 7578, 7579, 7580, 7581, 7582, 7583, 7584, 7585, 7586, 7587, 7588, 7589, 7590, 7591, 7592, 7593, 7594, 7595, 7596, 7597, 7598, 7599, 7600, 7601, 7602, 7603, 7604, 7605, 7606, 7607, 7608, 7609, 7610, 7611, 7612, 7613, 7614, 7615, 7616, 7617, 7618, 7619, 7620, 7621, 7622, 7623, 7624, 7625, 7626, 7627, 7628, 7629, 7630, 7631, 7632, 7633, 7634, 7635, 7636, 7637, 7638, 7639, 7640, 7641, 7642, 7643, 7644, 7645, 7646, 7647, 7648, 7649, 7650, 7651, 7652, 7653, 7654, 7655, 7656, 7657, 7658, 7659, 7660, 7661, 7662, 7663, 7664, 7665, 7666, 7667, 7668, 7669, 7670, 7671, 7672, 7673, 7674, 7675, 7676, 7677, 7678, 7679, 7680, 7681, 7682, 7683, 7684, 7685, 7686, 7687, 7688, 7689, 7690, 7691, 7692, 7693, 7694, 7695, 7696, 7697, 7698, 7699, 7700, 7701, 7702, 7703, 7704, 7705, 7706, 7707, 7708, 7709, 7710, 7711, 7712, 7713, 7714, 7715, 7716, 7717, 7718, 7719, 7720, 7721, 7722, 7723, 7724, 7725, 7726, 7727, 7728, 7729, 7730, 7731, 7732, 7733, 7734, 7735, 7736, 7737, 7738, 7739, 7740, 7741, 7742, 7743, 7744, 7745, 7746, 7747, 7748, 7749, 7750, 7751, 7752, 7753, 7754, 7755, 7756, 7757, 7758, 7759, 7760, 7761, 7762, 7763, 7764, 7765, 7766, 7767, 7768, 7769, 7770, 7771, 7772, 7773, 7774, 7775, 7776, 7777, 7778, 7779, 7780, 7781, 7782, 7783, 7784, 7785, 7786, 7787, 7788, 7789, 7790, 7791, 7792, 7793, 7794, 7795, 7796, 7797, 7798, 7799, 7800, 7801, 7802, 7803, 7804, 7805, 7806, 7807, 7808, 7809, 7810, 7811, 7812, 7813, 7814, 7815, 7816, 7817, 7818, 7819, 7820, 7821, 7822, 7823, 7824, 7825, 7826, 7827, 7828, 7829, 7830, 7831, 7832, 7833, 7834, 7835, 7836, 7837, 7838, 7839, 7840, 7841, 7842, 7843, 7844, 7845, 7846, 7847, 7848, 7849, 7850, 7851, 7852, 7853, 7854, 7855, 7856, 7857, 7858, 7859, 7860, 7861, 7862, 7863, 7864, 7865, 7866, 7867, 7868, 7869, 7870, 7871, 7872, 7873, 7874, 7875, 7876, 7877, 7878, 7879, 7880, 7881, 7882, 7883, 7884, 7885, 7886, 7887, 7888, 7889, 7890, 7891, 7892, 7893, 7894, 7895, 7896, 7897, 7898, 7899, 7900, 7901, 7902, 7903, 7904, 7905, 7906, 7907, 7908, 7909, 7910, 7911, 7912, 7913, 7914, 7915, 7916, 7917, 7918, 7919, 7920, 7921, 7922, 7923, 7924, 7925, 7926, 7927, 7928, 7929, 7930, 7931, 7932, 7933, 7934, 7935, 7936, 7937, 7938, 7939, 7940, 7941, 7942, 7943, 7944, 7945, 7946, 7947, 7948, 7949, 7950, 7951, 7952, 7953, 7954, 7955, 7956, 7957, 7958, 7959, 7960, 7961, 7962, 7963, 7964, 7965, 7966, 7967, 7968, 7969, 7970, 7971, 7972, 7973, 7974, 7975, 7976, 7977, 7978, 7979, 7980, 7981, 7982, 7983, 7984, 7985, 7986, 7987, 7988, 7989, 7990, 7991, 7992, 7993, 7994, 7995, 7996, 7997, 7998, 7999, 8000.

Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number		
	Blank Conc.	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
ETHYL BENZENE 8020 ug/Kg	< 1	7102	MS	18.9	18.2	3.77	MS	<2.0	20.0	18.9	89.5				7495, 7495, 7495,
	< 1	7102					MSD	<2.0	20.0	18.2	86.0				7538, , 7495,
	< 1	7278	MS	15.0	15.0	0.00	MS	<2.0	20.0	15.0	70.0				7546, 7546, 7546,
		7278					MSD	<2.0	20.0	15.0	70.0				, , 7546,
		7280	MS	17.1	17.2	0.58	MS	<2.0	20.0	17.1	80.5				, 7538, 7538,
		7280					MSD	<2.0	20.0	17.2	81.0				, , 7538,
			BS	15.0	19.6	26.59	BS	0	20.0	15.0	75.0				, 7495, 7495,
			BS	17.8	18.7	4.93	BSD	0	20.0	19.6	98.0				, 7538, 7495,
			BS	17.5	18.9	7.69	BS	0	20.0	17.8	89.0				, 7546, 7538,
							BSD	0	20.0	18.7	93.5				, , 7538,
1,2-DICHLOROBENZENE E 8020 ug/Kg	< 1	7102	MS	18.4	17.9	2.75	MS	<2.0	20.0	18.4	87.0				7495, 7495, 7495,
	< 1	7102					MSD	<2.0	20.0	17.9	84.5				7538, , 7495,
	< 1	7278	MS	15.2	13.0	15.60	MS	<2.0	20.0	15.2	71.0				7546, 7546, 7546,
		7278					MSD	<2.0	20.0	13.0	60.0				, , 7546,
		7280	MS	16.8	17.0	1.18	MS	<2.0	20.0	16.8	79.0				, 7538, 7538,
		7280					MSD	<2.0	20.0	17.0	80.0				, , 7538,
			BS	15.6	19.0	19.65	BS	0	20.0	15.6	78.0				, 7495, 7495,
			BS	17.5	18.7	6.63	BSD	0	20.0	19.0	95.0				, 7538, 7495,
			BS	16.3	19.0	15.30	BS	0	20.0	17.5	87.5				, 7546, 7538,
							BSD	0	20.0	18.7	93.5				, , 7538,
						BS	0	20.0	16.3	81.5				, , 7546,	
						BSD	0	20.0	19.0	95.0				, , 7546,	

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Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number	
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.		Rec. %
1,3-DICHLOROBENZEN E 8020 ug/Kg	< 1	7102	MS	18.7	18.1	3.26	MS	<2.0	20.0	18.7	88.5					7495, 7495, 7495,
	< 1	7102					MSD	<2.0	20.0	18.1	85.5					7538, , 7495,
	< 1	7278	MS	14.8	16.7	12.06	MS	<2.0	20.0	14.8	69.0					7546, 7546, 7546,
		7278					MSD	<2.0	20.0	16.7	78.5					, 7546,
		7280	MS	16.7	17.4	4.11	MS	<2.0	20.0	16.7	78.5					, 7538, 7538,
		7280					MSD	<2.0	20.0	17.4	82.0					, 7538,
			BS	15.5	19.3	21.84	BS	0	20.0	15.5	77.5					, 7495, 7495,
			BS	17.5	18.8	7.16	BSD	0	20.0	19.3	96.5					, 7538, 7495,
			BS	16.9	18.8	10.64	BS	0	20.0	17.5	87.5					, 7546, 7538,
							BSD	0	20.0	18.8	94.0					, 7538,
1,4-DICHLOROBENZEN E 8020 ug/Kg	< 1	7102	MS	18.7	18.0	3.81	MS	<2.0	20.0	18.7	88.5					7495, 7495, 7495,
	< 1	7102					MSD	<2.0	20.0	18.0	85.0					7538, , 7495,
	< 1	7278	MS	14.2	13.5	5.05	MS	<2.0	20.0	14.2	66.0					7546, 7546, 7546,
		7278					MSD	<2.0	20.0	13.5	62.5					, 7546,
		7280	MS	16.7	17.1	2.37	MS	<2.0	20.0	16.7	78.5					, 7538, 7538,
		7280					MSD	<2.0	20.0	17.1	80.5					, 7538,
			BS	15.3	19.2	22.61	BS	0	20.0	15.3	76.5					, 7495, 7495,
			BS	17.4	18.8	7.73	BSD	0	20.0	19.2	96.0					, 7538, 7495,
			BS	16.8	18.9	11.76	BS	0	20.0	17.4	87.0					, 7546, 7538,
							BSD	0	20.0	18.8	94.0					, 7538,
						BS	0	20.0	16.8	84.0					, 7546,	
						BSD	0	20.0	18.9	94.5					, 7546,	

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Analysis	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number			
	Blank Conc.	Sample Type	Rep	Rep	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID		Target Conc.	Found Conc.	Rec. %
SURROGATE BROMOFLUOROBENZENE 8020 % Recovery	---	7102	---	---	---	MS	---	0	60.0	54.8	91.3	---	---	---	7495,
	---	7102	---	---	---	MSD	---	0	60.0	53.3	88.8	---	---	---	7495,
	---	7278	---	---	---	MS	---	0	60.0	41.0	68.3	---	---	---	7546,
	---	7278	---	---	---	MSD	---	0	60.0	39.2	65.3	---	---	---	7546,
	---	7280	---	---	---	MS	---	0	60.0	45.6	76.0	---	---	---	7538,
	---	7280	---	---	---	MSD	---	0	60.0	45.8	76.3	---	---	---	7538,
	---	---	---	---	---	B	---	0	60.0	51.0	85.0	---	---	---	7495,
	---	---	---	---	---	BS	---	0	60.0	42.2	70.3	---	---	---	7495,
	---	---	---	---	---	BSD	---	0	60.0	57.2	95.3	---	---	---	7495,
	---	---	---	---	---	B	---	0	60.0	53.5	89.2	---	---	---	7538,
SURROGATE LUOROTOLUENE 8020 % Recovery	---	---	---	---	---	BS	---	0	60.0	52.2	87.0	---	---	---	7538,
	---	---	---	---	---	BSD	---	0	60.0	56.8	94.7	---	---	---	7538,
	---	---	---	---	---	B	---	0	60.0	44.4	74.0	---	---	---	7546,
	---	---	---	---	---	BS	---	0	60.0	46.7	77.8	---	---	---	7546,
	---	---	---	---	---	BSD	---	0	60.0	51.3	85.5	---	---	---	7546,
	---	7102	---	---	---	MS	---	0	60.0	62.1	103.5	---	---	---	7495,
	---	7102	---	---	---	MSD	---	0	60.0	60.6	101.0	---	---	---	7495,
	---	7278	---	---	---	MS	---	0	60.0	47.4	79.0	---	---	---	7546,
	---	7278	---	---	---	MSD	---	0	60.0	47.0	78.3	---	---	---	7546,
	---	7280	---	---	---	MS	---	0	60.0	55.5	92.5	---	---	---	7538,
SURROGATE LUOROTOLUENE 8020 % Recovery	---	7280	---	---	---	MSD	---	0	60.0	55.6	92.7	---	---	---	7538,
	---	---	---	---	---	B	---	0	60.0	55.2	92.0	---	---	---	7495,
	---	---	---	---	---	BS	---	0	60.0	48.4	80.7	---	---	---	7495,
	---	---	---	---	---	BSD	---	0	60.0	62.8	104.7	---	---	---	7495,

[illegible]

JAMES H. CARR & ASSOCIATES, INC.

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Analysis	Precision Data				Accuracy Data				Ref. Sample Data						Analy. Batch Number
	Blank Conc.	Sample Number	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
ACENAPHTHENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1510	1520	0.66	MS	0	1980	1510	76.3	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1520	76.8	---	---	---	7706, ,
	---	---	BS	37.4	33.3	11.60	BS	0	50.0	37.4	74.8	---	---	---	7706, 7706, ,
---	---	---	---	---	---	BSD	0	50.0	33.3	66.6	---	---	---	7706, ,	
FLUORENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1610	1640	1.85	MS	0	1980	1610	81.3	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1640	82.8	---	---	---	7706, ,
	---	---	BS	39.2	34.0	14.21	BS	0	50.0	39.2	78.4	---	---	---	7706, 7706, ,
---	---	---	---	---	---	BSD	0	50.0	34.0	68.0	---	---	---	7706, ,	
PHENANTHRENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1380	1400	1.44	MS	0	1980	1380	69.7	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1400	70.7	---	---	---	7706, ,
	---	---	BS	34.9	29.2	17.78	BS	0	50.0	34.9	69.8	---	---	---	7706, 7706, ,
---	---	---	---	---	---	BSD	0	50.0	29.2	58.4	---	---	---	7706, ,	

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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
ANTHRACENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1380	1400	1.44	MS	0	1980	1380	69.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1400	70.7	---	---	---	---	7706, ,
	---	---	BS	34.9	29.2	17.78	BS	0	50.0	34.9	69.8	---	---	---	---	7706, 7706, ,
FLUORANTHENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1520	1580	3.87	MS	0	1980	1520	76.8	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1580	79.8	---	---	---	---	7706, ,
	---	---	BS	38.7	29.6	26.65	BS	0	50.0	38.7	77.4	---	---	---	---	7706, 7706, ,
PYRENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1480	1500	1.34	MS	0	1980	1480	74.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1500	75.8	---	---	---	---	7706, ,
	---	---	BS	38.3	29.6	25.63	BS	0	50.0	38.3	76.6	---	---	---	---	7706, 7706, ,
	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1480	1500	1.34	MS	0	1980	1480	74.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1500	75.8	---	---	---	---	7706, ,
	---	---	BS	38.3	29.6	25.63	BS	0	50.0	38.3	76.6	---	---	---	---	7706, 7706, ,
	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1480	1500	1.34	MS	0	1980	1480	74.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1500	75.8	---	---	---	---	7706, ,
	---	---	BS	38.3	29.6	25.63	BS	0	50.0	38.3	76.6	---	---	---	---	7706, 7706, ,
	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1480	1500	1.34	MS	0	1980	1480	74.7	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1500	75.8	---	---	---	---	7706, ,
	---	---	BS	38.3	29.6	25.63	BS	0	50.0	38.3	76.6	---	---	---	---	7706, 7706, ,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
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Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data				Analy. Batch Number		
				Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
BENZO(A)ANTHRACENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1500	1550	3.28	MS	0	1980	1500	75.8	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1550	78.3	---	---	---	---	7706, ,
	---	---	BS	37.2	26.5	33.59	BS	0	50.0	37.2	74.4	---	---	---	---	7706, 7706, ,
CHRYSENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1500	1550	3.28	MS	0	1980	1500	75.8	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1550	78.3	---	---	---	---	7706, ,
	---	---	BS	37.2	26.5	33.59	BS	0	50.0	37.2	74.4	---	---	---	---	7706, 7706, ,
BENZO(B)FLUORANTHENE 8100 ug/Kg	< 330	7104	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, 7706, ,
	---	7202	LD	< 1650	< 1650	0.00	---	---	---	---	---	---	---	---	---	7706, ,
	---	7211	MS	1740	1630	6.53	MS	0	1980	1740	87.9	---	---	---	---	7706, 7706, ,
	---	7211	---	---	---	---	MSD	0	1980	1630	82.3	---	---	---	---	7706, ,
	---	---	BS	40.7	27.0	40.47	BS	0	50.0	40.7	81.4	---	---	---	---	7706, 7706, ,
	---	---	---	---	---	---	BSD	0	50.0	27.0	54.0	---	---	---	---	7706, ,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 06/14/95

QA/QC for SAMPLE Nos: 7201, 7202, 7203, 7204, 7205, 7206, 7207, 7208, 7209, 7210, 7211, 7212, 7213,
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Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analyt. Batch Number		
	Blank Conc.	Sample Number	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
SURROGATE	74.0	7104	LD	75.0	70.0	6.90	---	---	---	---	---	---	---	---	7706, 7706, ,
O-TERPHENYL	---	7202	LD	147	88.0	50.21	---	---	---	---	---	---	---	---	7706, ,
8100	---	7211	MS	87.0	87.0	0.00	MS	0	100	87.0	87.0	---	---	---	7706, 7706, ,
% Recovery	---	7211	---	---	---	---	MSD	0	100	87.0	87.0	---	---	---	7706, ,
	---	---	BS	92.0	76.0	19.05	BS	0	100	92.0	92.0	---	---	---	7706, 7706, ,
	---	---	---	---	---	---	BSD	0	100	76.0	76.0	---	---	---	7706, ,

ANDERSON COLUMBIA

ENVIRONMENTAL, INC.

CHAIN OF CUSTODY RECORD

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Est. 1788

Project No.	Project Name	Signature (Signature)		Date	Time	Comp.	Sample Location	No. of Containers	Relinquished by	Date / Time	Received by	Date / Time	Remarks
48084	FT. STEWART 44	<i>[Signature]</i>		5-22-75	13:10		Tank #1	3	Relinquished by	72/13	Received by	72/13	good condition temp = 5.5°C ice melted
		<i>[Signature]</i>		5-22-75	13:20		"	3					
		<i>[Signature]</i>		5-22-75	13:25		"	3					
		<i>[Signature]</i>		5-22-75	13:35		"	3					
		<i>[Signature]</i>		5-22-75	13:40		"	3					
		<i>[Signature]</i>		5-22-75	13:50		"	3					
		<i>[Signature]</i>		5-22-75	14:05		"	3					
		<i>[Signature]</i>		5-22-75	14:10		"	3					
		<i>[Signature]</i>		5-22-75	14:20		"	3					
		<i>[Signature]</i>		5-22-75	14:25		"	3					
		<i>[Signature]</i>		5-22-75	14:35		"	3					
		<i>[Signature]</i>		5-22-75	14:40		"	3					
Relinquished by: <i>[Signature]</i> Date / Time: 5-22-75 Received by: <i>[Signature]</i> Date / Time: 5-22-75													
Relinquished by: <i>[Signature]</i> Date / Time: 5-24-75/1300 Received by: <i>[Signature]</i> Date / Time: 5-24-75/1300													

*

Excavation of Contaminated Soil and Supporting Manifests

Anderson Columbia (ACE) did not maintain accurate records from individual UST removals prior to 1996. Therefore, the Installation cannot confirm whether or not soil was removed from these sites. Conversations with ACE personnel who were on this project support the claim that soil was NOT excavated at these sites.

NOTE: All contaminated soil removed during the **entire** project (i.e., all 52 USTs removed under contract with ACE, to include clean and non-clean closures) was tested and transported to Kedesh, Inc., Highway 84, Ludowici, GA 31316. The Installation has records of all manifests and weight tickets for this project. However, site/UST specific information is not available.

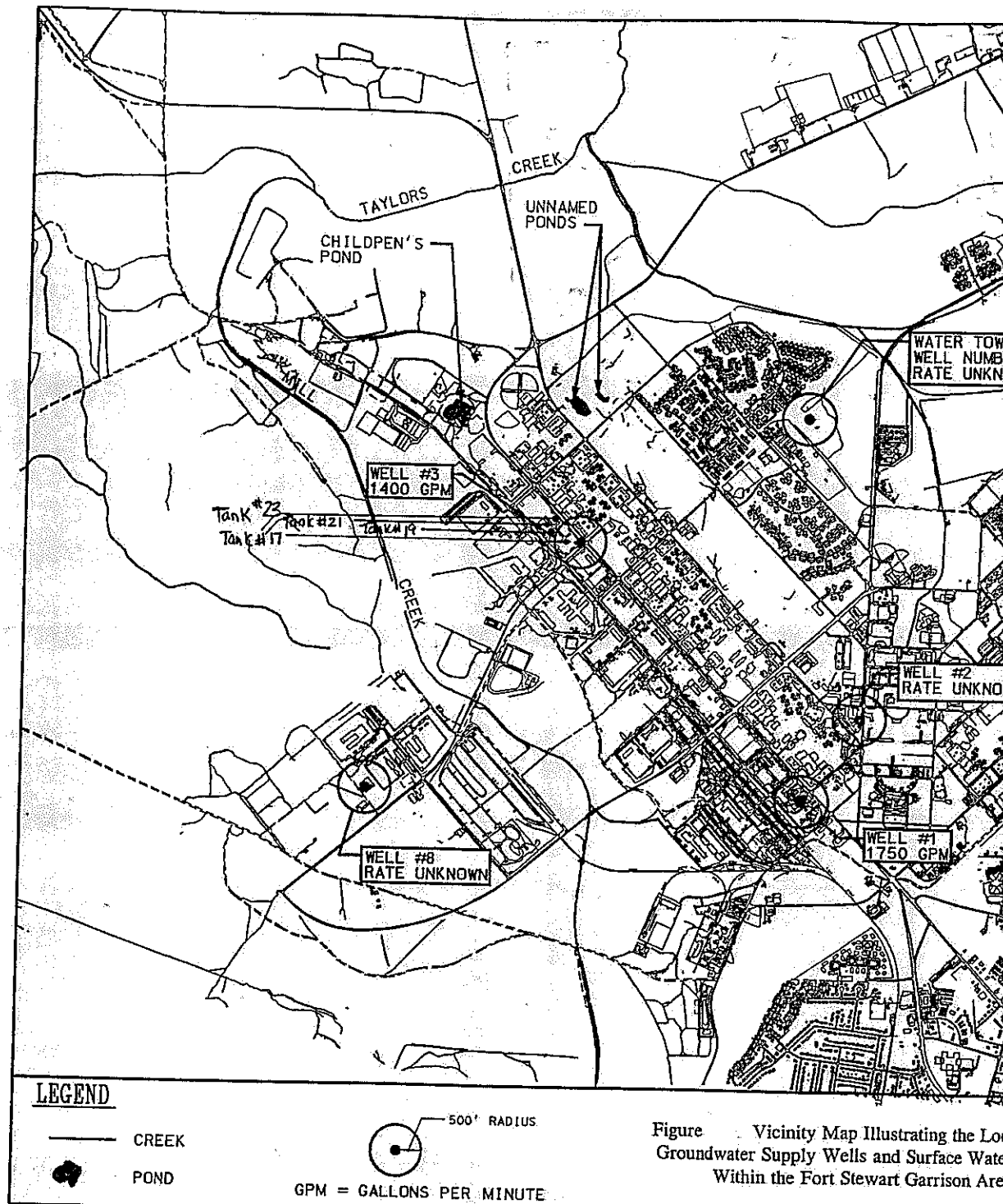


Figure Vicinity Map Illustrating the Location of Groundwater Supply Wells and Surface Water Within the Fort Stewart Garrison Area