

CLOSURE REPORT

**Waste Oil and Antifreeze Tanks
Building 4502, Tanks #220 and #221
Facility ID #: 9-089060**

Fort Stewart, Georgia

Prepared by

Fort Stewart Directorate of Public Works, Environmental Branch

June 1997

Fort Stewart, Georgia
Underground Storage Tank Removal and Closure Report

Table of Contents

<u>Item</u>	<u>Tab</u>
Georgia Closure Forms	1
Site Map	5
EPA Form 7530-1 & Field Assessment Methods	6
Laboratory Data Summary (Tank Removal and GW)	7
Manifests	9
Fort Stewart Area Map	10

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 F. Reheis, Director
(404)362-2687



CLOSURE REPORT FORM

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

1. Owner of UST System:

Name: Department of the Army
Phone Number: (912) 767-1234/2010
Company:
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: Fort Stewart/ EAC 4502
Street Address: Bldg 4502/ Essayons Drive
Fort Stewart GA 31314-5000
(city) (state) (zip code)
Facility ID#: 9-089060

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: D. J. B. U Date: _____

4. Site-specific Hydrogeology:

Depth to Groundwater: 6.15 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: Tank #220 Removed 11 Jan 95; Tank #221 Removed 8 Aug 95

Tank #	Tank Size (gallons)	Tank Contents
220	5,000	Waste Oil
221	2,000	Antifreeze

(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 both tank removal activities and the
subsequent groundwater investigation are provided in TAB 6.

15

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

SEE TAB 7 for analytical data (Tank removal and Groundwater Investigation)

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

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

Not Applicable (no known release)

9. Excavation and Treatment/Disposal of Contaminated Soil:

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

_____ Tons OR _____ yd³

☒ Not Applicable

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

☐ Drinking water supplies are NOT located in:

High or average groundwater pollution susceptibility area:

Public water systems within 2.0 miles and

Non-public water systems within 0.5 mile

OR

Low groundwater pollution susceptibility area:

Public water systems within 1.0 mile and

Non-public water systems within 0.25 mile

* As defined by the Groundwater Pollution Susceptibility Map of Georgia.

☒ Streams, Lakes, and Ponds: 2500 feet
Distance to closest surface water body: _____ mile(s) or _____ feet

☐ Not Applicable

11. Conclusions or Recommendations: Choose one.

~~☒ Clean Closure, thus No Further Action is Required.~~

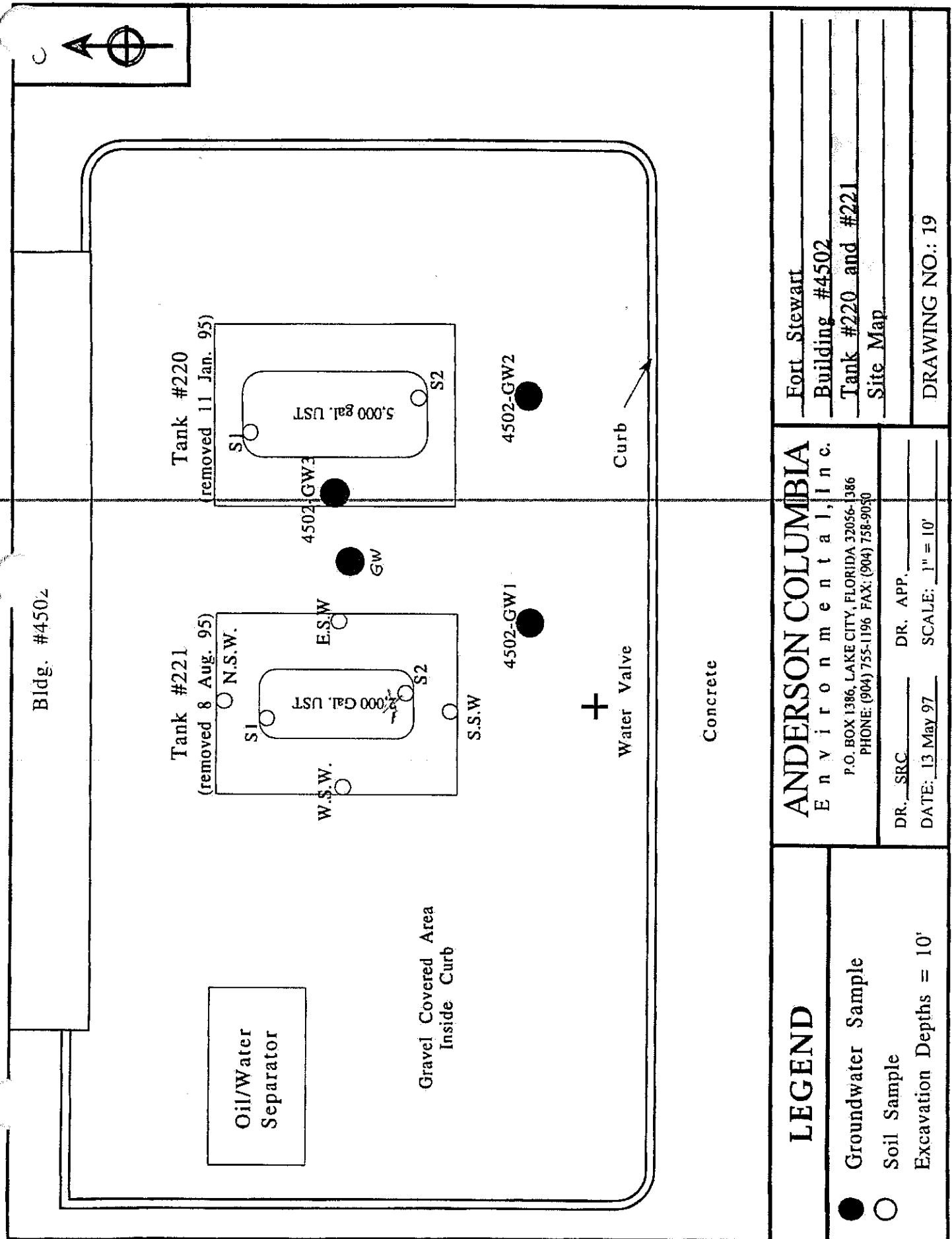
☐ Soil Excavated Within the Limits Specified in Question 7 (GUST-9) and Transported to an EPD Treatment/Disposal Facility, Thus No Further Action is Required.

INFORMATION ON MAPS

MAPS #1: Provided to Installation by ACE—map shows sampling locations conducted during tank removal activities and for the additional groundwater samples

MAPS #2a and #2b: Copied from Installation archives to show exact location of the USTs and to show how the system was installed

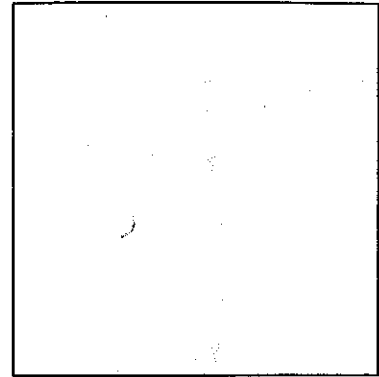
NOTE: These USTs were for waste oil and used antifreeze storage and did NOT have dispensers, only a waste oil/antifreeze draw-off.



STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

state use only

Part I: Facility Data



FACILITY ID NUMBER: 9-089060

OWNER'S ID: 197

INITIAL DATE RECEIVED: 12-18-1992

DATE AMENDED LAST:

NOTIFICATION TYPE: ☐ New ☒ Amended ☒ Closure

5 OF 6
TANKS
CLOSED

OWNERSHIP OF TANK(S): NUMBER OF TANK(S): 6

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 4502

Street Address: FAC 4502

City: FT STEWART

State: GA

Zip Code: 31314-5000

County: LIBERTY

Latitude: : :

Longitude: : :

Phone: (912) 767-1071

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	9-089060	9-089060	9-089060	9-089060	9-089060
TANK ID	216	217	218-0.4	219	220
of Tank					
Currently In Use	X		X	X	
Out of Use					
Out of Use		X	X	X	X
of Installation	01-01-1985	01-01-1985	01-01-1985	01-01-1985	01-01-1985
	10	10	10	10	10
Total Capacity	1,000	1,000	1,000	1,000	5,000
Material of Construction					
Galvanized Steel					
Protected Steel					
Coated Steel					
Composite					
Fiberglass Reinf. Plas.	X	X	X	X	X
Concrete Interior					
Double Walled	X	X	X	X	X
Tank Jacket					
Interleaved					
Protection Liner					
Other					
Remarks					
Material					
Steel					
Galvanized Steel	X	X	X	X	X
Fiberglass					
Other					
Periodically Protected					
Double Walled	X	X	X	X	X
Secondary Containment					
Other					
Remarks					
Piping Installed					
Type					
Non-Valve					
Valve					
Pressure					
Gravity Fed					
Piping Repaired					
Substance Stored in Tank					
Gasoline					
Alcohol					
Gasoline					
Other	X	X	X	X	X
Remarks					
Remarks					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089060	9-089060	9-089060	9-089060	9-089060
TANK ID	216	217	218	219	220
Distance Stored in Tank					
Hazardous Substance					
CERCLA Name					
CAS Number					
Mixture					
Mixture, Specification					
of Use/Change Service	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
Est. Date Last Used		08-94	04-95	04-95	08-94
Est. Date Closed					01-11-95
Removed from Ground		02-21-95	06-12-95	06-12-95	04-19-95
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					
Allowed Method					
Method Description					
Leak Detection	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
Tank Tightness Testing					
Inventory Controls					
SIR					
Automatic Tank Gauging					
Inter. Mon./Double Wall					
Groundwater Monitoring					
Manual Tank Gauging					
Vapor Monitoring					
Inter. Mon./Sec. Cont.					
Auto. Line Leak Detect.					
Line Tightness Testing					
Other Method					
Other Description					
Spill and Overfill					
Spill Overfill Device					
Spill Device					
Installer Certification					
Name					
Position					
Date					

STATE OF GEORGIA NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089060			
TANK ID	221			
Status of Tank				
Currently In Use	X			
Temp. Out of Use				
Perm. Out of Use	X			
Date of Installation	01-01-1985			
Age	10			
Est. Total Capacity	1.000			
Material of Construction				
Asphalt or Bare Steel				
Cath. Protected Steel				
Epoxy Coated Steel				
Composite				
Fiberglass Reinf. Plas.	X			
Lined Interior				
Double Walled	X			
Poly. Tank Jacket				
Concrete				
Excavation Liner				
Unknown				
Other, explanation				
Tank Repaired				
Piping Material				
Bare Steel				
Galvanized Steel	X			
Fiberglass				
Copper				
Cathodically Protected				
Double Walled	X			
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				
Empty				
Other, explanation	ANTIFREEZE			

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089060			
TANK ID	221			
Distance Stored in Tank				
Hazardous Substance				
ERCLA Name				
CAS Number				
Mixture				
Mixture, Specification				
of Use/Change Service Tank Piping				
Est. Date Last Used	04-95			
Est. Date Closed				
Removed from Ground	08-95			
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				
Tests Completed				
Per Allowed Method				
Method Description				
Leak Detection Tank Piping				
Tank Tightness Testing				
Inventory Controls				
SIR				
Automatic Tank Gauging				
Inter. Mon./Double Wall				
Groundwater Monitoring				
Manual Tank Gauging				
Vapor Monitoring				
Inter. Mon./Sec. Cont.				
Auto. Line Leak Detect.				
Line Tightness Testing				
Other Method				
Other Description				
Spill and Overfill				
Date Overfill Device				
Date Spill Device				
Installer Certification				
Name				
Position				
Company				
Date				

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part III: Certifications

OATH OF

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

Installer:

Company

Company Address

Authorized Representative

Signature

Date

Title

Telephone Number (include Area Code)

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

Owner:

JOHN H. SPEARS

Chief, Environmental Branch

Owner Name

Title

Owner's Signature

Date

TAB 6
FIELD ASSESSMENT METHODS (Groundwater Sampling)

The groundwater sampling at these sites included the following activities:

1. Hand-auger three soil boreholes located within the former tank pits down to the local water table.
 2. 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

Tank	Borehole	Water Level Depth
220/	4502-GW1	6.15 feet BGS
221	4502-GW2	6.54 feet BGS
	4502-GW3	6.58 feet BGS

TAB 6

FIELD ASSESSMENT METHODS (Tank Removals)

SOIL SAMPLES

TANK #220: Removed January 11, 1995

Soil samples for analytical testing were collected by Anderson Columbia Environmental, Inc. (ACE) personnel two (2) feet below both ends of the excavated 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.

NOTE: ACE referred to this UST as Tank #217 on all paperwork. This was an administrative error, and the maps, chain-of-custody, and corresponding lab analytical data should have stated Tank #220, NOT Tank #217.

TANK #221: Removed August 8, 1995

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 each sidewall of the excavation. 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.

FOR BOTH TANK REMOVALS

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 USTs #220 and #221 with the corresponding data validation and chain of custody is provided for your use and convenience. The analytical results from the groundwater sampling (May 1997) is followed by the analytical results from the UST removals (Jan and Aug 1995). All contaminants detected above their respective detection limits have been highlighted.

NOTE: Map #1, included in Tab 5, indicate sampling locations for the groundwater sampling event (May 1997). Maps #3a and #3b, also included in Tab 5, indicates sampling locations from the tank removals. It is important to note that ACE referred to Tank #220 as Tank #217 during the removal activities. This was an administrative error, ONLY, and all lab analytical results labeled Tank #217 is actually representative of the location for former Tank #217. The Installation apologizes for this administrative/book-keeping error.

Project Name FT. STEWART
Client Site # FT. STEWART
ent Sample # 10531-GW
Sampling Date/Time 05/01/97 12:30

Lab Sample ID AB50283

Method	Analyte	Result	RL	Units	Dilution Factor	Analyst Init.	Date of Prep	Date of Analysis
8270B	SEMI (GC/MS) WATER							
	HEXACHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	PENTACHLOROPHENOL	Below RL	60.0	ug/L	1.0	ML	05/05/97	05/12/97
	PHENANTHRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	DI-N-BUTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BUTYL BENZYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	3,3'-DICHLOROBENZIDINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BENZO(A)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BIS(2-ETHYLHEXYL) PHTHALATE	Below RL	20.0	ug/L	1.0	ML	05/05/97	05/12/97
	CHRYSENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	DI-N-OCTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BENZO(B)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BENZO(K)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BENZO(A)PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	NO(1,2,3-CD)PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BENZO(A,H)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	BENZO(G,H,I)PERYLENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97
	CARBAZOLE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/12/97

Project Name FT. STEWART
Client Site # FT. STEWART
Client Sample # 4502-GW1
Sampling Date/Time 05/01/97 10:55

Lab Sample ID AB50284

Method	Analyte	Result	RL	Units	Dilution Factor	Analyst Init.	Date of Prep	Date of Analysis
8020A	BTEX WATER							
	BENZENE	Below RL	1.0	ug/L	1.0	AB	05/07/97	05/08/97
	TOLUENE	Below RL	1.0	ug/L	1.0	AB	05/07/97	05/08/97
	ETHYLBENZENE	Below RL	1.0	ug/L	1.0	AB	05/07/97	05/08/97
	XYLENES (TOTAL)	Below RL	3.0	ug/L	1.0	AB	05/07/97	05/08/97
8270B	SEMI (GC/MS) WATER							
	PHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
	BIS(2-CHLOROETHYL) ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
	2-CHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
	CHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
	CHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
	DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
	BIS(2-CHLOROISOPROPYL) ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97

Sampling Date/Time: 05/01/87 10:55

Lab Sample ID AB50284

HydroLogic, Inc. Ledger 109570

Project Name FT. STEWART
Client Site # FT. STEWART
nt Sample # 4502-GW1

Sampling Date/Time 05/01/97 10:55

Lab Sample ID AB50284

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init. Prep	Analysis
8270B SEMI (GC/MS) WATER						
Batch 0505970017						
PYRENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BUTYL BENZYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
3,3'-DICHLOROBENZIDINE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(A)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BIS(2-ETHYLHEXYL) PHTHALATE	Below RL	20.0	ug/L	1.0	ML 05/05/97	05/09/97
CHRYSENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
DI-N-OCTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(B)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(K)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(A)PYRENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
INDENO(1,2,3-CD)PYRENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
DIBENZO(A,H)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(G,H,I)PERYLENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
CARBAZOLE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97

Project Name FT. STEWART
nt Site # FT. STEWART
nt Sample # 4502-GW2

Sampling Date/Time 05/01/97 11:10

Lab Sample ID AB50267

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init. Prep	Analysis
8020A BTEX WATER						
Batch 0508970002						
BENZENE	Below RL	1.0	ug/L	1.0	AB 05/07/97	05/08/97
TOLUENE	Below RL	1.0	ug/L	1.0	AB 05/07/97	05/08/97
ETHYLBENZENE	Below RL	1.0	ug/L	1.0	AB 05/07/97	05/08/97
XYLENES (TOTAL)	Below RL	3.0	ug/L	1.0	AB 05/07/97	05/08/97
8270B SEMI (GC/MS) WATER						
Batch 0505970017						
PHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BIS(2-CHLOROETHYL) ETHER	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
2-CHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
1,3-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
1,4-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
1,2-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BIS(2-CHLOROISOPROPYL) ETHER	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
2-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
4-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
TRANS-DI-N-PROPYLAMINE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
CHLOROETHANE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
ROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
ISOPHORONE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97

Project Name FT. STEWART

Client Site # FT. STEWART

Int. Sample # 4502-GW2

Sampling Date/Time 05/01/97 11:10

Lab Sample ID AB50287

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init. Prep	Analysis

8270B SEMI (GC/MS) WATER

Batch 0505870017

2-NITROPHENOL	Below RL	20.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DIMETHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BIS(2-CHLOROETHOXY)METHANE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
1,2,4-TRICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
NAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLOROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROBUTADIENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLORO-3-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYLNAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROCYCLOPENTADIENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4,6-TRICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4,5-TRICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-CHLORONAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
NAPHTHYLENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DINITROTOLUENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
3-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ACENAPHTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DINITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
4-NITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
DIBENZOFURAN	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DINITROTOLUENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIETHYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLOROPHENYL PHENYL ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
FLUORENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYL-4,6-DINITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
N-NITROSODIPHENYLAMINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-BROMOPHENYL PHENYL ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
PENTACHLOROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
PHENANTHRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DI-N-BUTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BUTYL BENZYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,2-DICHLOROBENZIDINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
10(A)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
(2-ETHYLHEXYL) PHTHALATE	Below RL	20.0	ug/L	1.0	ML	05/05/97	05/09/97
CHRYSENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97

Project Name FT. STEWART
Client Site # FT. STEWART
nt Sample # 4502-GW2

Sampling Date/Time 05/01/97 11:10

Lab Sample ID AB50287

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init. Prep	Analysis
8270B SEMI (GC/MS) WATER Batch 0505970017						
DI-N-OCTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(B)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(K)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(A)PYRENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
INDENO(1,2,3-CD)PYRENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
DIBENZO(A,H)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BENZO(G,H,I)PERYLENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
CARBAZOLE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97

Project Name FT. STEWART
Client Site # FT. STEWART
Client Sample # 4502-GW3

Sampling Date/Time 05/01/97 11:20

Lab Sample ID AB50288

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init. Prep	Analysis
8020A BTEX WATER Batch 0509970002						
BENZENE	Below RL	1.0	ug/L	1.0	AB 05/07/97	05/08/97
TOLUENE	Below RL	1.0	ug/L	1.0	AB 05/07/97	05/08/97
ETHYLBENZENE	Below RL	1.0	ug/L	1.0	AB 05/07/97	05/08/97
XYLENES (TOTAL)	Below RL	3.0	ug/L	1.0	AB 05/07/97	05/08/97

8270B SEMI (GC/MS) WATER Batch 0505970017						
PHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BIS(2-CHLOROETHYL) ETHER	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
2-CHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
1,3-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
1,4-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
1,2-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
BIS(2-CHLOROISOPROPYL) ETHER	Below RL	10.0	ug/L	1.0	ML 05/06/97	05/09/97
2-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
4-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
N-NITROSODI-N-PROPYLAMINE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
HEXACHLOROETHANE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
NITROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
ISOPHORONE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
2-NITROPHENOL	Below RL	20.0	ug/L	1.0	ML 05/05/97	05/09/97
2,4-DIMETHYLPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
(2-CHLOROETHOXY)METHANE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
CHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
4-TRICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97
NAPHTHALENE	Below RL	10.0	ug/L	1.0	ML 05/05/97	05/09/97

Project Name FT. STEWART
Client Site # FT. STEWART
Int Sample # 4502-GW3

Sampling Date/Time 05/01/97 11:20

Lab Sample ID AB50289

Method Analyte	Result	RL	Units	Dilution Factor	Analyst Init.	Date of Prep	Date of Analysis
8270B SEMI (GC/MS) WATER				Batch 0505970017			
4-CHLOROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROBUTADIENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLORO-3-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYLNAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROCYCLOPENTADIENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4,6-TRICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4,5-TRICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-CHLORONAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIMETHYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ACENAPHTHYLENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,6-DINITROTOLUENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
3-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ACENAPHTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DINITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
1-NITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
1,2,4-TRIAZOL-5-ONE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-DINITROTOLUENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIETHYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLOROPHENYL PHENYL ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
FLUORENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYL-4,6-DINITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
N-NITROSODIPHENYLAMINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-BROMOPHENYL PHENYL ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
PENTACHLOROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
PHENANTHRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIN-BUTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BUTYL BENZYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
3,3'-DICHLOROBENZIDINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(A)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BIS(2-ETHYLHEXYL) PHTHALATE	Below RL	20.0	ug/L	1.0	ML	05/05/97	05/09/97
CHRYSENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIN-OCTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(B)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
7-O(K)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
9-O(K)PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(1,2,3-CD)PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIBENZO(A,H)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97

Project Name FT. STEWART
Client Site # FT. STEWART
nt Sample # 4502-GW3

Sampling Date/Time 05/01/97 11:20

Lab Sample ID AB50289

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init.	Prep Analysis

8270B SEMI (GC/MS) WATER

Batch 0505970017

BENZO(G,H,I)PERYLENE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
CARBAZOLE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97

Project Name FT. STEWART
Client Site # LAB
Client Sample # TRIP BLANK

Lab Sample ID AB50290

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init.	Prep Analysis

8020A BTEX WATER

Batch 0505970002

BENZENE	Below RL	1.0	ug/L	1.0	AB	05/07/97 05/08/97
TOLUENE	Below RL	1.0	ug/L	1.0	AB	05/07/97 05/08/97
YLBENZENE	Below RL	1.0	ug/L	1.0	AB	05/07/97 05/08/97
ENES (TOTAL)	Below RL	3.0	ug/L	1.0	AB	05/07/97 05/08/97

Lab Sample ID AB50393

Method	Result	RL	Units	Dilution	Analyst	Date of
Analyte				Factor	Init.	Prep Analysis

8270B BLANK - SEMI (GC/MS) WATER

Batch 0505970017

PHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
BIS(2-CHLOROETHYL) ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
2-CHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
1,3-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
1,4-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
1,2-DICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
BIS(2-CHLOROISOPROPYL) ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
2-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
4-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
N-NITROSODI-N-PROPYLAMINE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
HEXACHLOROETHANE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
OBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
HORONE	Below RL	10.0	ug/L	1.0	ML	05/05/97 05/09/97
N-NITROPHENOL	Below RL	20.0	ug/L	1.0	ML	05/05/97 05/09/97

Lab Sample ID AB50393

Method Analyte	Result	RL	Units	Dilution Factor	Analyst Init.	Date of Prep	Date of Analysis
8270B BLANK - SEMI (GC/MS) WATER							
						Batch 0505970017	
2,4-DIMETHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BIS(2-CHLOROETHOXY)METHANE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
1,2,4-TRICHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
NAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLOROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROBUTADIENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLORO-3-METHYLPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYLNAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROCYCLOPENTADIENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4,6-TRICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4,5-TRICHLOROPHENOL	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-CHLORONAPHTHALENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIMETHYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ACENAPHTHYLENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
INITROTOLUENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ACENAPHTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DINITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
4-NITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
DIBENZOFURAN	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2,4-DINITROTOLUENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIETHYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-CHLOROPHENYL PHENYL ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
FLUORENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-NITROANILINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
2-METHYL-4,6-DINITROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
N-NITROSODIPHENYLAMINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-BROMOPHENYL PHENYL ETHER	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
HEXACHLOROBENZENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
PENTACHLOROPHENOL	Below RL	50.0	ug/L	1.0	ML	05/05/97	05/09/97
PHENANTHRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DI-N-BUTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BUTYL BENZYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
3,3'-DICHLOROBENZIDINE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(A)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
ETHYLHEXYL) PHTHALATE	Below RL	20.0	ug/L	1.0	ML	05/05/97	05/09/97
SENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
4-OCTYL PHTHALATE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97

Lab Sample ID AB50393

Method Analyte	Result	RL	Units	Dilution Factor	Analyst Init.	Prep	Date of Analysis
8270B	BLANK - SEMI (GC/MS) WATER						
						Batch 0505970017	
BENZO(B)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(K)FLUORANTHENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(A)PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
INDENO(1,2,3-CD)PYRENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
DIBENZO(A,H)ANTHRACENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
BENZO(G,H,I)PERYLENE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97
CARBAZOLE	Below RL	10.0	ug/L	1.0	ML	05/05/97	05/09/97

Lab Sample ID AB50619

Method Analyte	Result	RL	Units	Dilution Factor	Analyst Init.	Prep	Date of Analysis
8020A	BLANK - BTEX 8020A WATER						
						Batch 0508970002	
BENZENE	Below RL	1.0	ug/L	1.0	MB	05/08/97	05/08/97
TOLUENE	Below RL	1.0	ug/L	1.0	MB	05/08/97	05/08/97
ETHYLBENZENE	Below RL	1.0	ug/L	1.0	MB	05/08/97	05/08/97
XYLENES (TOTAL)	Below RL	3.0	ug/L	1.0	MB	05/08/97	05/08/97

RL = Reporting Limit INT. = (*) Analysis performed by another HydroLogic Laboratory. (#) Analysis performed by subcontracted Laboratory.

Certifying Scientist

Organics and Inorganics in Wastewater, Solids, and Wastes

NC-DEHNR 441, SC-DHEC 98013, GA, TN-DOH 02826, UT-DOH E-226, FL-DEP 940134 HRS E87511 (Water) HRS 87485 (Drinking Water), NY-DEM ELAP 11551, WI-DNR 906014380

Radioactive Materials License

ISO 9000

EPA ID

EPA Reg Waste

GA APHS

Fed Lab ID

US Army Corps of
Engineers Validation

GA-DNR 1283-1

A2LA 0594-01

GA-00058

GA-0001011008

S-3908

52-168334

These result(s) relate only to the item(s) tested.

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CHAIN OF CUSTODY

USACE-SAVANNAH DISTRICT

P.O. Box 889

Savannah, GA 31402

Mark Harvison Client ID 2911221

Project Name:

FL Stewart

ACE DO 810

Project #:

1042

Signature: *Steven R. Clark*
Steven R. Clark

Lab Code - For Lab use only	Date Sampled	Time Sampled	Cont.	Sample Number	Site Code	Due Date	Kit	Kit	Kit
AB50281	4/24/97	1630	✓	FL Stewart	FL Stewart	5/6/97	✓	✓	✓
AB50282	4/24/97	1630	✓	FL Stewart	FL Stewart	5/6/97	✓	✓	✓
AB50283	5/1/97	1230	✓	FL Stewart	FL Stewart	5/6/97	✓	✓	✓
AB50284	5/1/97	1055	✓	FL Stewart	FL Stewart	5/6/97	✓	✓	✓
AB50287	5/1/97	1110	✓	FL Stewart	FL Stewart	5/6/97	✓	✓	✓
AB50289	5/1/97	1120	✓	FL Stewart	FL Stewart	5/6/97	✓	✓	✓
AB50290				FL Stewart	FL Stewart	5/6/97	✓	✓	✓

Number of Containers

8020
8270

Replacement Sampling Materials

Save Recount?

Form

Remarks

1 week

Turn on these samples

Steven R. Clark
Steven R. Clark

REC'D BARBARA KEMMER
Barbara Kemmer

5/1/97 140

8-70 added to 4702 G.W., with ROWS per Steve Clark on 5/5/97.

CSK

Endorsement

Signature

Date

Project Number

Form

Date

Page

Page

CONTINUATION OF DATA FOR SAMPLE NUMBER 8924

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORANTHENE	< 10 ug/L	10				
PYRENE	< 10 ug/L	10				
BENZO(A)ANTHRACENE	< 10 ug/L	10				
CHRYSENE	< 10 ug/L	10				
BENZO(B)FLUORANTHENE	< 10 ug/L	10				
BENZO(K)FLUORANTHENE	< 10 ug/L	10				
BENZO(A)PYRENE	< 10 ug/L	10				
INDENO(1,2,3-CD)PYRENE	< 10 ug/L	10				
DIBENZ(A,H)ANTHRACENE	< 10 ug/L	10				
BENZO(G,H,I)PERYLENE	< 10 ug/L	10				
SURROGATE 2-FLUOROBIPHENYL	111 % Recovery					
SURROGATE O-TERPHENYL	120 % Recovery					

SAMPLE ID- #221-T1-S1

TIME RECEIVED- 1300

LOCATION- Tank Pit

DATE SAMPLED- 08/08/95

DELIVERED BY- Grayhound

SAMPLE NUMBER- 8925

TIME SAMPLED- 1620

RECEIVED BY- RM

SAMPLE MATRIX- SOIL

DATE RECEIVED- 08/09/95

SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	75.9 %	0.01		08/14/95		
TOT. PET. HYDROCARBONS-OIL	65.6 mg/Kg	13.2	08/18/95	08/28/95	9071	
VOLATILE ORGANIC COMPOUNDS				08/22/95	8020	
BENZENE	<1.32 ug/Kg	1.32				
TOLUENE	<1.32 ug/Kg	1.32				
CHLOROBENZENE	<1.32 ug/Kg	1.32				
M,P-XYLENES	<1.32 ug/Kg	1.32				
O-XYLENES	<1.32 ug/Kg	1.32				
ETHYL BENZENE	<1.32 ug/Kg	1.32				
1,2-DICHLOROBENZENE	<1.32 ug/Kg	1.32				
1,3-DICHLOROBENZENE	<1.32 ug/Kg	1.32				
1,4-DICHLOROBENZENE	<1.32 ug/Kg	1.32				
SURROGATE BROMOFLUOROBENZENE	79.9 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	113 % Recovery					
MTBE	<6.59 ug/Kg	6.59				
DIPE	<6.59 ug/Kg	6.59				
POLYNUCLEAR AROMATIC HYDROCARB			08/14/95	08/23/95	8100	
NAPHTHALENE	<870 ug/Kg	870				
ACENAPHTHYLENE	<870 ug/Kg	870				
PHTHENE	<870 ug/Kg	870				

CONTINUATION OF DATA FOR SAMPLE NUMBER 8925

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
FLUORENE	<870 ug/Kg	870				
PHENANTHRENE	<870 ug/Kg	870				
ANTHRACENE	<870 ug/Kg	870				
FLUORANTHENE	<870 ug/Kg	870				
PYRENE	<870 ug/Kg	870				
BENZO(A)ANTHRACENE	<870 ug/Kg	870				
CHRYSENE	<870 ug/Kg	870				
BENZO(B)FLUORANTHENE	<870 ug/Kg	870				
BENZO(K)FLUORANTHENE	<870 ug/Kg	870				
BENZO(A)PYRENE	<870 ug/Kg	870				
INDENO(1,2,3-CD)PYRENE	<870 ug/Kg	870				
DIBENZ(A,H)ANTHRACENE	<870 ug/Kg	870				
BENZO(G,H,I)PERYLENE	<870 ug/Kg	870				
SURROGATE 2-FLUOROBIPHENYL	56.0 % Recovery					
SURROGATE O-TERPHENYL	74.0 % Recovery					

SAMPLE ID- #221-T1-S2

TIME RECEIVED- 1300

LOCATION- Tank Pit

DATE SAMPLED- 08/08/95

DELIVERED BY- Greyhound

LE NUMBER- 8926

TIME SAMPLED- 1625

RECEIVED BY- RM

SAMPLE MATRIX- SOIL

DATE RECEIVED- 08/09/95

SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	86.5 %	0.01		08/14/95		
TOT. PET. HYDROCARBONS-OIL	28.4 mg/Kg	11.6	08/22/95	09/05/95	9071	
VOLATILE ORGANIC COMPOUNDS				08/14/95	8020	
BENZENE	<5.78 ug/Kg	5.78				5
TOLUENE	<5.78 ug/Kg	5.78				5
CHLOROBENZENE	<5.78 ug/Kg	5.78				5
M,P-XYLENES	20.5 ug/Kg	5.78				5
O-XYLENES	7.27 ug/Kg	5.78				5
ETHYL BENZENE	<5.78 ug/Kg	5.78				5
1,2-DICHLOROBENZENE	<5.78 ug/Kg	5.78				5
1,3-DICHLOROBENZENE	<5.78 ug/Kg	5.78				5
1,4-DICHLOROBENZENE	<5.78 ug/Kg	5.78				5
SURROGATE BROMOFLUOROBENZENE	40.4 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	72.7 % Recovery					
MTBE	<28.9 ug/Kg	28.9				5
DIPE	<28.9 ug/Kg	28.9				5

NUCLEAR AROMATIC HYDROCARB

08/14/95 08/23/95 8100

CONTINUATION OF DATA FOR SAMPLE NUMBER 8926

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
NAPHTHALENE	<763. ug/Kg	763.				
ACENAPHTHYLENE	<763. ug/Kg	763.				
ACENAPHTHENE	<763. ug/Kg	763.				
FLUORENE	<763. ug/Kg	763.				
PHENANTHRENE	<763. ug/Kg	763.				
ANTHRACENE	<763. ug/Kg	763.				
FLUORANTHENE	<763. ug/Kg	763.				
PYRENE	<763. ug/Kg	763.				
BENZO(A)ANTHRACENE	<763. ug/Kg	763.				
CHRYSENE	<763. ug/Kg	763.				
BENZO(B)FLUORANTHENE	<763. ug/Kg	763.				
BENZO(K)FLUORANTHENE	<763. ug/Kg	763.				
BENZO(A)PYRENE	<763. ug/Kg	763.				
INDENO(1,2,3-CD)PYRENE	<763. ug/Kg	763.				
DIBENZ(A,H)ANTHRACENE	<763. ug/Kg	763.				
BENZO(G,H,I)PERYLENE	<763. ug/Kg	763.				
SURROGATE 2-FLUOROBIPHENYL	30.0 % Recovery					
SURROGATE O-TERPHENYL	32.0 % Recovery					

ug reextracted for 8100's because of low surrogates.

SAMPLE ID- #221-N.S.W.

TIME RECEIVED- 1300

LOCATION- Tank Pit

DATE SAMPLED- 08/08/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 8927

TIME SAMPLED- 1635

RECEIVED BY- RM

SAMPLE MATRIX- SOIL

DATE RECEIVED- 08/09/95

SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	86.0 %	0.01		08/14/95		
TOT. PET. HYDROCARBONS-OIL	<11.6 mg/Kg	11.6	08/22/95	09/05/95	9071	
VOLATILE ORGANIC COMPOUNDS				08/23/95	8020	
BENZENE	<1.16 ug/Kg	1.16				
TOLUENE	<1.16 ug/Kg	1.16				
CHLOROBENZENE	<1.16 ug/Kg	1.16				
M,P-XYLENES	<1.16 ug/Kg	1.16				
O-XYLENES	<1.16 ug/Kg	1.16				
ETHYL BENZENE	<1.16 ug/Kg	1.16				
1,2-DICHLOROBENZENE	<1.16 ug/Kg	1.16				
1,3-DICHLOROBENZENE	<1.16 ug/Kg	1.16				
1,4-DICHLOROBENZENE	<1.16 ug/Kg	1.16				

and ASSOCIATES

Page 7

CONTINUATION OF DATA FOR SAMPLE NUMBER 8927

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
SURROGATE BROMOFLUOROBENZENE	75.8 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	97.6 % Recovery					
MTBE	<5.81 ug/Kg	5.81				
DIPE	<5.81 ug/Kg	5.81				
POLYNUCLEAR AROMATIC HYDROCARB			08/14/95	08/23/95	8100	
NAPHTHALENE	<767. ug/Kg	767.				
ACENAPHTHYLENE	<767. ug/Kg	767.				
ACENAPHTHENE	<767. ug/Kg	767.				
FLUORENE	<767. ug/Kg	767.				
PHENANTHRENE	<767. ug/Kg	767.				
ANTHRACENE	<767. ug/Kg	767.				
FLUORANTHENE	<767. ug/Kg	767.				
PYRENE	<767. ug/Kg	767.				
BENZO (A) ANTHRACENE	<767. ug/Kg	767.				
CHRYSENE	<767. ug/Kg	767.				
BENZO (B) FLUORANTHENE	<767. ug/Kg	767.				
BENZO (K) FLUORANTHENE	<767. ug/Kg	767.				
BENZO (A) PYRENE	<767. ug/Kg	767.				
BENZO (1,2,3-CD) PYRENE	<767. ug/Kg	767.				
DIBENZ (A,H) ANTHRACENE	<767. ug/Kg	767.				
BENZO (G,H,I) PERYLENE	<767. ug/Kg	767.				
SURROGATE 2-FLUOROBIPHENYL	65.0 % Recovery					
SURROGATE O-TERPHENYL	67.0 % Recovery					

SAMPLE ID- #221-S.S.W.
LOCATION- Tank Pit
SAMPLE NUMBER- 8928
SAMPLE MATRIX- SOIL

TIME RECEIVED- 1300
DELIVERED BY- Greyhound
RECEIVED BY- RM
DATE SAMPLED- 08/08/95
TIME SAMPLED- 1640
DATE RECEIVED- 08/09/95
SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	86.1 %	0.01		08/14/95		
TOT. PET. HYDROCARBONS-OIL	46.3 mg/Kg	11.6	08/22/95	09/05/95	9071	
VOLATILE ORGANIC COMPOUNDS				08/22/95	8020	
BENZENE	<1.16 ug/Kg	1.16				
TOLUENE	<1.16 ug/Kg	1.16				
CHLOROBENZENE	<1.16 ug/Kg	1.16				
M,P-XYLENES	<1.16 ug/Kg	1.16				
O-XYLENES	<1.16 ug/Kg	1.16				
BENZENE	<1.16 ug/Kg	1.16				

CONTINUATION OF DATA FOR SAMPLE NUMBER 8928

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
1,2-DICHLOROBENZENE	<1.16 ug/Kg	1.16				
1,3-DICHLOROBENZENE	<1.16 ug/Kg	1.16				
1,4-DICHLOROBENZENE	<1.16 ug/Kg	1.16				
SURROGATE BROMOFLUOROBENZENE	54.5 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	94.3 % Recovery					
MTBE	<5.81 ug/Kg	5.81				
DIPE	<5.81 ug/Kg	5.81				
POLYNUCLEAR AROMATIC HYDROCARB			08/14/95	08/23/95	8100	
NAPHTHALENE	<766. ug/Kg	766.				
ACENAPHTHYLENE	<766. ug/Kg	766.				
ACENAPHTHENE	<766. ug/Kg	766.				
FLUORENE	<766. ug/Kg	766.				
PHENANTHRENE	<766. ug/Kg	766.				
ANTHRACENE	<766. ug/Kg	766.				
FLUORANTHENE	<766. ug/Kg	766.				
PYRENE	<766. ug/Kg	766.				
BENZO(A)ANTHRACENE	<766. ug/Kg	766.				
PERYLENE	<766. ug/Kg	766.				
BENZO(B)FLUORANTHENE	<766. ug/Kg	766.				
BENZO(K)FLUORANTHENE	<766. ug/Kg	766.				
BENZO(A)PYRENE	<766. ug/Kg	766.				
INDENO(1,2,3-CD)PYRENE	<766. ug/Kg	766.				
DIBENZ(A,H)ANTHRACENE	<766. ug/Kg	766.				
BENZO(G,H,I)PERYLENE	<766. ug/Kg	766.				
SURROGATE 2-FLUOROBIPHENYL	32.0 % Recovery					
SURROGATE O-TERPHENYL	32.0 % Recovery					

Being reextracted for the 8100's because of low surrogates.

SAMPLE ID- #221-E.S.W.
 LOCATION- Tank Pit
 SAMPLE NUMBER- 8929
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 08/08/95
 TIME SAMPLED- 1650
 DATE RECEIVED- 08/09/95

TIME RECEIVED- 1300
 DELIVERED BY- Greyhound
 RECEIVED BY- RM
 SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	85.0 %	0.01		08/14/95		
TOT. PET. HYDROCARBONS-OIL	<11.8 mg/Kg	11.8	08/22/95	09/05/95	9071	
FILE ORGANIC COMPOUNDS				08/23/95	8020	

CONTINUATION OF DATA FOR SAMPLE NUMBER 8929

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZENE	<1.18 ug/Kg	1.18				
TOLUENE	<1.18 ug/Kg	1.18				
CHLOROBENZENE	<1.18 ug/Kg	1.18				
M,P-XYLENES	<1.18 ug/Kg	1.18				
O-XYLENES	<1.18 ug/Kg	1.18				
ETHYL BENZENE	<1.18 ug/Kg	1.18				
1,2-DICHLOROBENZENE	<1.18 ug/Kg	1.18				
1,3-DICHLOROBENZENE	<1.18 ug/Kg	1.18				
1,4-DICHLOROBENZENE	<1.18 ug/Kg	1.18				
SURROGATE BROMOFLUOROBENZENE	73.8 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	93.2 % Recovery					
MTBE	<5.88 ug/Kg	5.88				
DIPE	<5.88 ug/Kg	5.88				

~~POLYNUCLEAR AROMATIC HYDROCARB~~

08/14/95 08/23/95 8100

NAPHTHALENE	<776. ug/Kg	776.
ACENAPHTHYLENE	<776. ug/Kg	776.
FLUORANTHENE	<776. ug/Kg	776.
ANTHRENE	<776. ug/Kg	776.
ANTHRACENE	<776. ug/Kg	776.
FLUORANTHENE	<776. ug/Kg	776.
PYRENE	<776. ug/Kg	776.
BENZO(A)ANTHRACENE	<776. ug/Kg	776.
CHRYSENE	<776. ug/Kg	776.
BENZO(B)FLUORANTHENE	<776. ug/Kg	776.
BENZO(K)FLUORANTHENE	<776. ug/Kg	776.
BENZO(A)PYRENE	<776. ug/Kg	776.
INDENO(1,2,3-CD)PYRENE	<776. ug/Kg	776.
DIBENZ(A,H)ANTHRACENE	<776. ug/Kg	776.
BENZO(G,H,I)PERYLENE	<776. ug/Kg	776.
SURROGATE 2-FLUOROBIPHENYL	58.0 % Recovery	
SURROGATE O-TERPHENYL	48.0 % Recovery	

SAMPLE ID- #221-W.S.W.
 LOCATION- Tank Pit
 SAMPLE NUMBER- 8930
 SAMPLE MATRIX- SOIL

DATE SAMPLED- 08/08/95
 TIME SAMPLED- 1655
 DATE RECEIVED- 08/09/95

TIME RECEIVED- 1300
 DELIVERED BY- Greyhound
 RECEIVED BY- RM
 SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
LIDS	87.7 %	0.01		08/14/95		

CONTINUATION OF DATA FOR SAMPLE NUMBER 8930

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
TOT. PET. HYDROCARBONS-OIL	<11.4 mg/Kg	11.4	08/22/95	09/05/95	9071	
VOLATILE ORGANIC COMPOUNDS				08/22/95	8020	
BENZENE	<1.14 ug/Kg	1.14				
TOLUENE	2.71 ug/Kg	1.14				
CHLOROBENZENE	<1.14 ug/Kg	1.14				
M,P-XYLENES	<1.14 ug/Kg	1.14				
O-XYLENES	<1.14 ug/Kg	1.14				
ETHYL BENZENE	<1.14 ug/Kg	1.14				
1,2-DICHLOROBENZENE	<1.14 ug/Kg	1.14				
1,3-DICHLOROBENZENE	<1.14 ug/Kg	1.14				
1,4-DICHLOROBENZENE	<1.14 ug/Kg	1.14				
SURROGATE BROMOFLUOROBENZENE	55.6 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	89.4 % Recovery					
MTBE	<5.70 ug/Kg	5.70				
DIPE	<5.70 ug/Kg	5.70				
POLYNUCLEAR AROMATIC HYDROCARB				08/14/95	08/23/95	8100
CHALENE	<752. ug/Kg	752.				
ACENAPHTHYLENE	<752. ug/Kg	752.				
ACENAPHTHENE	<752. ug/Kg	752.				
FLUORENE	<752. ug/Kg	752.				
PHENANTHRENE	<752. ug/Kg	752.				
ANTHRACENE	<752. ug/Kg	752.				
FLUORANTHENE	<752. ug/Kg	752.				
PYRENE	<752. ug/Kg	752.				
BENZO(A)ANTHRACENE	<752. ug/Kg	752.				
CHRYSENE	<752. ug/Kg	752.				
BENZO(B)FLUORANTHENE	<752. ug/Kg	752.				
BENZO(K)FLUORANTHENE	<752. ug/Kg	752.				
BENZO(A)PYRENE	<752. ug/Kg	752.				
INDENO(1,2,3-CD)PYRENE	<752. ug/Kg	752.				
DIBENZ(A,H)ANTHRACENE	<752. ug/Kg	752.				
BENZO(G,H,I)PERYLENE	<752. ug/Kg	752.				
SURROGATE 2-FLUOROBIPHENYL	25.0 % Recovery					
SURROGATE O-TERPHENYL	17.0 % Recovery					

Being reextracted for the 8100's because of low surrogates.

SAMPLE ID- Trip Blank
 LOCATION- Tank Pit
 SAMPLE NUMBER- 8931
 SAMPLE MATRIX- GROUNDWATER

DATE SAMPLED- 08/08/95
 TIME SAMPLED- NA
 DATE RECEIVED- 08/09/95

TIME RECEIVED- 1300
 DELIVERED BY- Grayhound
 RECEIVED BY- RM
 SAMPLER- CLIENT

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	DIL. FACTOR
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VOLATILE ORGANIC COMPOUNDS

08/16/95 8020

BENZENE	< 1 ug/L	1			
TOLUENE	2.01 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	50.7 % Recovery				
SURROGATE aaa-TRIFLUOROTOLUENE	50.9 % Recovery				
MTBE	< 1 ug/L	1			
MTBE	< 1 ug/L	1			

IEC Laboratory ID 40111

LABORATORY DIRECTOR James H. Carr, by Carol Stork
 James H. Carr

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 1

Analysis	Precision Data						Accuracy Data						Ref. Sample Data						Analy. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %				
BENZENE																			
8020 ug/L	< 1		BS	17.4	14.2	20.25	BS	0	20.0	16.9	84.5				9353, 9353, 9353,				
							BSD	0	20.0	15.6	78.0				, , 9353,				
TOLUENE																			
8020 ug/L	< 1		BS	17.8	14.1	23.20	BS	0	20.0	17.8	89.0				9353, 9353, 9353,				
							BSD	0	20.0	14.1	70.5				, , 9353,				
CHLOROBENZENE																			
8020 ug/L	< 1		BS	18.3	14.5	23.17	BS	0	20.0	18.3	91.5				9353, 9353, 9353,				
							BSD	0	20.0	14.5	72.5				, , 9353,				
M,P-XYLENES																			
8020 ug/L	< 2		BS	37.3	30.8	19.09	BS	0	40.0	37.3	93.2				9353, 9353, 9353,				
							BSD	0	40.0	30.8	77.0				, , 9353,				
O-XYLENES																			
8020 ug/L	< 1		BS	17.7	14.1	22.64	BS	0	20.0	17.7	88.5				9353, 9353, 9353,				
							BSD	0	20.0	14.1	70.5				, , 9353,				

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE NOS: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,

Page 2

Analysis	Precision Data						Accuracy Data				Ref. Sample Data						Analy. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Samp Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %		
ETHYL BENZENE	< 1		BS	19.0	15.2	22.22	BS	0	20.0	19.0	95.0					9353, 9353, 9353,	
8020 ug/L							BSD	0	20.0	15.2	76.0					, , 9353,	
1,2-DICHLOROENZEN	< 1		BS	17.3	17.9	3.41	BS	0	20.0	17.3	86.5					9353, 9353, 9353,	
E 8020 ug/L							BSD	0	20.0	17.9	89.5					, , 9353,	
1,3-DICHLOROENZEN	< 1		BS	17.3	18.0	3.97	BS	0	20.0	17.3	86.5					9353, 9353, 9353,	
E 8020 ug/L							BSD	0	20.0	18.0	90.0					, , 9353,	
1,4-DICHLOROENZEN	< 1		BS	17.0	17.3	1.75	BS	0	20.0	17.0	85.0					9353, 9353, 9353,	
E 8020 ug/L							BSD	0	20.0	17.3	86.5					, , 9353,	
SURROGATE							B	0	50.0	55.2	110.4					, , 9353,	
BROMOFLUOROBENZENE							BS	0	50.0	54.2	108.4					, , 9353,	
8020 X Recover							BSD	0	50.0	43.1	86.2					, , 9353,	

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

Precision Data

Accuracy Data

Ref. Sample Data

Analy.

ACENAPHTHYLENE	< 10	8951	MS	0	50.0	21.8	43.6	9294, 9294,		
8100	BS	43.7	42.6	2.55	BS	0	50.0	43.7	87.4	9294, 9294,
ug/L				BSD	0	50.0	42.6	85.2		9294,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 4

Analysis	Precision Data						Accuracy Data						Ref. Sample Data						Analyt. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %			
ACENAPHTHENE																			
8100 ug/L		< 10	8951	BS	39.5	38.7	2.05	MS	0	50.0	19.2	38.4				9294, 9294			
									0	50.0	39.5	79.0				9294, 9294			
									0	50.0	38.7	77.4				9294,			
FLUORENE																			
8100 ug/L		< 10	8951	BS	38.4	38.0	1.05	MS	0	50.0	18.6	37.2				9294, 9294			
									0	50.0	38.4	76.8				9294, 9294			
									0	50.0	38.0	76.0				9294,			
PHENANTHRENE																			
8100 ug/L		< 10	8951	BS	42.7	41.9	1.89	MS	0	50.0	18.5	37.0				9294, 9294			
									0	50.0	42.7	85.4				9294, 9294			
									0	50.0	41.9	83.8				9294,			
ANTHRACENE																			
8100 ug/L		< 10	8951	BS	42.7	41.9	1.89	MS	0	50.0	18.5	37.0				9294, 9294			
									0	50.0	42.7	85.4				9294, 9294			
									0	50.0	41.9	83.8				9294,			
FLUORANTHENE																			
8100 ug/L		< 10	8951	BS	42.0	40.3	4.13	MS	0	50.0	17.0	34.0				9294, 9294			
									0	50.0	42.0	84.0				9294, 9294			
									0	50.0	40.3	80.6				9294,			

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 5

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

PYRENE	< 10	8951	-----	-----	-----	MS	0	50.0	33.0	66.0	-----	-----	-----	9294, , 9294,
8100	-----	-----	BS	43.2	41.7	3.53 BS	0	50.0	43.2	86.4	-----	-----	-----	9294, , 9294,
ug/L	-----	-----	-----	-----	-----	BSD	0	50.0	41.7	83.4	-----	-----	-----	9294, , 9294,

BENZO(A)ANTHRACENE	< 10	8951																
8100			BS	44.3	41.6	6.29	BS	0	50.0	18.6	37.2						9294, 9294,	
ug/L								0	50.0	44.3	88.6						, 9294, 9294,	
								0	50.0	41.6	83.2						, 9294,	

CHRYSENE	< 10	8951	-----	-----	-----	MS	0	50.0	18.6	37.2	-----	-----	-----	9294, 9294,
8100	-----	-----	BS	44.3	41.6	6.29 BS	0	50.0	44.3	88.6	-----	-----	-----	, 9294, 9294,
ug/L	-----	-----	-----	-----	-----	BSD	0	50.0	41.6	83.2	-----	-----	-----	, 9294,

BENZO(B)FLUORANTHENE	< 10	8951	-----	-----	-----	MS	0	50.0	18.9	37.8	-----	-----	-----	9294, , 9294,
NE	-----	-----	BS	44.0	41.0	7.06 BS	0	50.0	44.0	88.0	-----	-----	-----	, 9294, 9294,
8100	-----	-----	-----	-----	-----	BSD	0	50.0	41.0	82.0	-----	-----	-----	, , 9294,
ug/L														

BENZO(K)FLUORANTHENE	< 10	8951	-----	-----	-----	-----	-----	MS	0	50.0	18.9	37.8	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----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JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 6

Analysis	Precision Data						Accuracy Data				Ref. Sample Data						Analy. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
BENZO(A)PYRENE																	
8100		8951	BS	43.6	40.5	7.37	MS	0	50.0		26.9	53.8				9294, 9294,	
ug/L								0	50.0		43.6	87.2				9294, 9294,	
								0	50.0		40.5	81.0				9294,	
INDENO(1,2,3-CD)PY																	
8100		8951	BS	41.8	38.6	7.96	MS	0	50.0		13.9	27.8				9294, 9294,	
ug/L								0	50.0		41.8	83.6				9294, 9294,	
								0	50.0		38.6	77.2				9294,	
DIBENZO(A,H)ANTHRAC																	
8100		8951	BS	41.8	38.6	7.96	MS	0	50.0		13.9	27.8				9294, 9294,	
ug/L								0	50.0		41.8	83.6				9294, 9294,	
								0	50.0		38.6	77.2				9294,	
BENZO(G,H,I)PERYLE																	
8100		8951	BS	42.5	39.1	8.33	MS	0	50.0		14.9	29.8				9294, 9294,	
ug/L								0	50.0		42.5	85.0				9294, 9294,	
								0	50.0		39.1	78.2				9294,	
SURROGATE																	
2-FLUOROBIPHENYL		8951					MS	0	50.0		27.1	54.2				9294,	
8100							B	0	50.0		51.6	103.2				9294,	
% Recover							BS	0	50.0		45.7	91.4				9294,	
							BSD	0	50.0		49.7	99.4				9294,	

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 7

Analysis	Precision Data						Accuracy Data				Ref. Sample Data						Analy. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %		
SURROGATE		8951					MS	0	50.0	22.5	45.0					9294,	
O-TERPHENYL							B	0	50.0	54.4	108.8					9294,	
8100							BS	0	50.0	45.8	91.6					9294,	
% Recovery							BSD	0	50.0	49.0	98.0					9294,	
TOT. PET.	< 10.0	8766	MSD	879	543	47.26										9094, 9094,	
HYDROCARBONS-OIL	< 10.0	9046	MSD	5.10	9.20	57.34										9168, 9168,	
9071							BS	.0005	.0183	.0177	94.0					9094,	
mg/Kg							BS	.0016	.0369	.0347	89.7					9168,	
BENZENE	< 1	BS		15.5	15.7	1.28	BS	0	20.0	15.5	77.5					8969, 8969, 8969,	
8020	< 1	BS		19.0	18.7	1.59	BSD	0	20.0	15.7	78.5					9354, 9354, 8969,	
ug/Kg	< 1	BS		18.8	18.4	2.15	BS	0	20.0	19.0	95.0					9355, 9355, 9354,	
	< 1	BS		19.9	19.3	3.06	BSD	0	20.0	18.7	93.5					9356, 9356, 9354,	
							BS	0	20.0	18.8	94.0					9355,	
							BSD	0	20.0	18.4	92.0					9355,	
							BS	0	20.0	19.9	99.5					9356,	
							BSD	0	20.0	19.3	96.5					9356,	
TOLUENE	< 1	BS		17.3	17.7	2.29	BS	0	20.0	17.3	86.5					8969, 8969, 8969,	
8020	< 1	BS		18.8	19.0	1.06	BSD	0	20.0	17.7	88.5					9354, 9354, 8969,	
ug/Kg	< 1	BS		18.8	18.5	1.61	BS	0	20.0	19.0	95.0					9355, 9355, 9354,	
	< 1	BS		19.6	18.8	4.17	BSD	0	20.0	18.8	94.0					9356, 9356, 9354,	
							BS	0	20.0	18.8	94.0					9355,	
							BSD	0	20.0	18.5	92.5					9355,	

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,

Page 8

Analysis	Precision Data					Accuracy Data					Ref. Sample Data					Analy. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
CHLOROBENZENE																
8020	< 1	BS		18.6	18.8	1.07 BS		0	20.0	19.6	98.0					8969, 8969, 8969, 9354, 9354, 8969, 9355, 9355, 9354, 9356, 9356, 9354,
	< 1	BS		19.3	19.3	0.00 BSD		0	20.0	18.8	94.0					, , 9356,
	< 1	BS		19.0	18.6	2.13 BS		0	20.0	19.3	96.5					9355, 9355, 9354,
	< 1	BS		19.8	18.8	5.18 BSD		0	20.0	19.3	96.5					9356, 9356, 9354,
								0	20.0	19.0	95.0					, , 9355,
								0	20.0	18.6	93.0					, , 9355,
								0	20.0	19.8	99.0					, , 9356,
								0	20.0	18.8	94.0					, , 9356,
M,P-XYLENES																
8020	< 1	BS		37.7	37.5	0.53 BS		0	40.0	37.7	94.3					8969, 8969, 8969,
	< 1	BS		38.2	38.4	0.52 BSD		0	40.0	37.5	93.8					9354, 9354, 8969,
	< 1	BS		37.8	36.9	2.41 BS		0	40.0	38.2	95.5					9355, 9355, 9354,
	< 1	BS		39.2	37.1	5.50 BSD		0	40.0	38.4	96.0					9356, 9356, 9354,
								0	40.0	37.8	94.5					, , 9355,
								0	40.0	36.9	92.3					, , 9355,
								0	40.0	39.2	98.0					, , 9356,
								0	40.0	37.1	92.8					, , 9356,

JAMES H. CARR & ASSOCIATES, INC.
Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 9

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. %		
O-XYLENES																
8020 ug/Kg	< 1	BS	18.1	18.2	0.55	BS	0	20.0	18.1	90.5					8969, 8969, 8969,	
	< 1	BS	19.7	19.7	0.00	BSD	0	20.0	18.2	91.0					9354, 9354, 8969,	
	< 1	BS	19.2	18.6	3.17	BS	0	20.0	19.7	98.5					9355, 9355, 9354,	
	< 1	BS	20.0	18.9	5.66	BSD	0	20.0	19.7	98.5					9356, 9356, 9354,	
						BS	0	20.0	19.2	96.0					, 9355,	
						BSD	0	20.0	18.6	93.0					, 9355,	
						BS	0	20.0	20.0	100.0					, 9356,	
						BSD	0	20.0	18.8	94.0					, 9356,	
ETHYL BENZENE																
8020 ug/Kg	< 1	BS	19.1	19.1	0.00	BS	0	20.0	19.1	95.5					8969, 8969, 8969,	
	< 1	BS	18.9	18.8	0.53	BSD	0	20.0	19.1	95.5					9354, 9354, 8969,	
	< 1	BS	19.0	18.6	2.13	BS	0	20.0	18.9	94.5					9355, 9355, 9354,	
	< 1	BS	19.9	18.8	5.68	BSD	0	20.0	18.8	94.0					9356, 9356, 9354,	
						BS	0	20.0	19.0	95.0					, 9355,	
						BSD	0	20.0	18.6	93.0					, 9355,	
						BS	0	20.0	19.9	99.5					, 9356,	
						BSD	0	20.0	18.8	94.0					, 9356,	
1,2-DICHLOROBENZENE																
E 8020 ug/Kg	< 1	BS	20.3	19.8	2.49	BS	0	20.0	20.3	101.5					8969, 8969, 8969,	
	< 1	BS	18.1	19.4	6.93	BSD	0	20.0	19.8	99.0					9354, 9354, 8969,	
	< 1	BS	19.0	18.1	4.85	BS	0	20.0	18.1	90.5					9355, 9355, 9354,	
	< 1	BS	18.3	16.7	9.14	BSD	0	20.0	19.4	97.0					9356, 9356, 9354,	
						BS	0	20.0	19.0	95.0					, 9355,	
						BSD	0	20.0	18.1	90.5					, 9355,	
						BS	0	20.0	18.3	91.5					, 9356,	

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 10

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

1,3-DICHLOROBENZEN	< 1	BS	20.3	19.8	2.49	BS	0	20.0	16.7	83.5						8969, 8969, 8969, 9354, 9354, 8969, 9355, 9355, 9354, 9356, 9356, 9354,
E	< 1	BS	19.4	20.6	6.00	BSD	0	20.0	19.8	99.0						
8020	< 1	BS	19.0	18.0	5.41	BS	0	20.0	19.4	97.0						
ug/Kg	< 1	BS	18.3	16.5	10.34	BSD	0	20.0	20.6	103.0						
						BS	0	20.0	19.0	95.0						
						BSD	0	20.0	18.0	90.0						
						BS	0	20.0	18.3	91.5						
						BSD	0	20.0	16.5	82.5						

1,4-DICHLOROBENZEN	< 1	BS	20.3	20.1	0.99	BS	0	20.0	20.3	101.5						8969, 8969, 8969, 9354, 9354, 8969, 9355, 9355, 9354, 9356, 9356, 9354,
E	< 1	BS	19.2	19.6	2.06	BSD	0	20.0	20.1	100.5						
8020	< 1	BS	19.1	17.4	9.32	BS	0	20.0	19.2	96.0						
ug/Kg	< 1	BS	18.0	16.0	11.76	BSD	0	20.0	19.6	98.0						
						BS	0	20.0	19.1	95.5						
						BSD	0	20.0	17.4	87.0						
						BS	0	20.0	18.0	90.0						
						BSD	0	20.0	16.0	80.0						

SUBROGATE						B	0	50.0	36.7	73.4						8969,
BROMOFLUOROBENZENE						BS	0	50.0	53.0	106.0						8969,
8020						BSD	0	50.0	45.7	91.4						8969,
% Recover						B	0	100.0	60.5	121.0						9354,
						BS	1	52.6	105.2							9354,

QC REPORT FOR ANDERSON COLUMBIA ENVIRON. INC. 09/12/95

QA/QC for SAMPLE NOS: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,

Page 11

Analysis	Precision Data						Accuracy Data		Ref. Sample Data					Analyt. Batch Number		
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.	Rec. %
SURROGATE aa-TRIF LUCROTOLUENE 8020 % Recovery	---	---	---	---	---	---	---	0	50.0	53.5	107.0	---	---	---	---	9354
	---	---	---	---	---	---	---	0	50.0	59.0	118.0	---	---	---	---	9355
	---	---	---	---	---	---	---	0	50.0	53.0	106.0	---	---	---	---	9355
	---	---	---	---	---	---	---	0	50.0	53.0	106.0	---	---	---	---	9355
	---	---	---	---	---	---	---	0	50.0	53.5	107.0	---	---	---	---	9356
	---	---	---	---	---	---	---	0	50.0	55.5	111.0	---	---	---	---	9356
	---	---	---	---	---	---	---	0	50.0	50.3	100.6	---	---	---	---	9356
	---	---	---	---	---	---	---	0	50.0	48.0	96.0	---	---	---	---	8969
	---	---	---	---	---	---	---	0	50.0	57.6	115.2	---	---	---	---	8969
	---	---	---	---	---	---	---	0	50.0	47.3	94.6	---	---	---	---	8969
	---	---	---	---	---	---	---	0	50.0	46.0	92.0	---	---	---	---	9354
	---	---	---	---	---	---	---	0	50.0	49.6	99.2	---	---	---	---	9354
	---	---	---	---	---	---	---	0	50.0	50.6	101.2	---	---	---	---	9354
	---	---	---	---	---	---	---	0	50.0	51.5	103.0	---	---	---	---	9355
	---	---	---	---	---	---	---	0	50.0	49.1	98.2	---	---	---	---	9355
	---	---	---	---	---	---	---	0	50.0	47.6	95.2	---	---	---	---	9355
	---	---	---	---	---	---	---	0	50.0	41.2	82.4	---	---	---	---	9356
	---	---	---	---	---	---	---	0	50.0	49.7	99.4	---	---	---	---	9356
	---	---	---	---	---	---	---	0	50.0	45.2	90.4	---	---	---	---	9356
	---	---	---	---	---	---	---	0	50.0	45.2	90.4	---	---	---	---	9356

QC REPORT FOR ANDERSON COLUMBIA ENVIRON. INC 09/12/95

Page 12

Analysis	Precision Data						Accuracy Data						Ref. Sample Data						Analy. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %				
MTBE 8020 ug/kg	< 5	BS		19.3	19.8	2.56	BS	0	20.0	19.3	96.5					8969, 8969, 8969,			
	< 5	BS		17.7	16.8	5.22	BSD	0	20.0	19.8	99.0					9354, 9354, 8969,			
	< 5	BS		17.6	17.2	2.30	BS	0	20.0	16.8	84.0					9355, 9355, 9354,			
	< 5	BS		18.4	16.2	12.72	BSD	0	20.0	17.7	88.5					9356, 9356, 9354,			
		BS					BS	0	20.0	17.6	88.0					9355,			
		BSD					BSD	0	20.0	17.2	86.0					9355,			
		BS					BS	0	20.0	18.4	92.0					9356,			
		BSD					BSD	0	20.0	16.2	81.0					9356,			
D1PE 8020 ug/kg	< 5	BS		18.2	19.0	4.30	BS	0	20.0	18.2	91.0					8969, 8969, 8969,			
	< 5	BS		18.4	18.1	1.64	BSD	0	20.0	19.0	95.0					9354, 9354, 8969,			
	< 5	BS		18.0	18.0	0.00	BS	0	20.0	18.4	92.0					9355, 9355, 9354,			
	< 5	BS		19.2	17.8	7.57	BSD	0	20.0	18.1	90.5					9356, 9356, 9354,			
		BS					BS	0	20.0	18.0	90.0					9355,			
		BSD					BSD	0	20.0	18.0	90.0					9355,			
		BS					BS	0	20.0	19.2	96.0					9356,			
		BSD					BSD	0	20.0	17.8	89.0					9356,			
NAPHTHALENE 8100 ug/kg	< 660	BS		31.3	37.4	17.76	BS	0	50.0	31.3	62.6					9295, 9295, 9295,			
		BSD					BSD	0	50.0	37.4	74.8					9295,			

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 13

Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy.			
	Blank Conc.	Sample Number	Samp Type	Rep A	Rep B	RPD %	Samp Type	Raw Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID		Target Conc.	Found Conc.	Rec. %
ACENAPHTHYLENE	< 660		BS	31.3	38.1	19.60	BS	0	50.0	31.3	62.6					9295, 9295, 9295,
8100							BSD	0	50.0	38.1	76.2					, , 9295,
ug/Kg																
ACENAPHTHENE	< 660		BS	28.9	34.4	17.38	BS	0	50.0	28.9	57.8					9295, 9295, 9295,
8100							BSD	0	50.0	34.4	68.8					, , 9295,
ug/Kg																
FLUORENE	< 660		BS	30.5	36.2	17.09	BS	0	50.0	30.5	61.0					9295, 9295, 9295,
8100							BSD	0	50.0	36.2	72.4					, , 9295,
ug/Kg																
PHENANTHRENE	< 660		BS	33.0	37.8	13.56	BS	0	50.0	33.0	66.0					9295, 9295, 9295,
8100							BSD	0	50.0	37.8	75.6					, , 9295,
ug/Kg																
ANTHRACENE	< 660		BS	33.0	37.8	13.56	BS	0	50.0	33.0	66.0					9295, 9295, 9295,
8100							BSD	0	50.0	37.8	75.6					, , 9295,
ug/Kg																

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 14

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

FLUORANTHENE																			
8100 ug/Kg	< 660	-----	BS	33.1	39.0	16.37	BS	0	50.0	33.1	66.2	-----	-----	-----	-----	-----	-----	9295, 9295, 9295,	
	-----	-----		-----	-----	-----	BSD	0	50.0	39.0	78.0	-----	-----	-----	-----	-----	-----	, , 9295,	

PYRENE																			
8100 ug/Kg	< 660	-----	BS	35.4	40.7	13.93	BS	0	50.0	35.4	70.8	-----	-----	-----	-----	-----	-----	9295, 9295, 9295,	
	-----	-----		-----	-----	-----	BSD	0	50.0	40.7	81.4	-----	-----	-----	-----	-----	-----	, , 9295,	

BENZO(A)ANTHRACENE																			
8100 ug/Kg	< 660	-----	BS	37.1	44.6	18.36	BS	0	50.0	37.1	74.2	-----	-----	-----	-----	-----	-----	9295, 9295, 9295,	
	-----	-----		-----	-----	-----	BSD	0	50.0	44.6	89.2	-----	-----	-----	-----	-----	-----	, , 9295,	

CHRYSENE																			
8100 ug/Kg	< 660	-----	BS	37.1	44.6	18.36	BS	0	50.0	37.1	74.2	-----	-----	-----	-----	-----	-----	9295, 9295, 9295,	
	-----	-----		-----	-----	-----	BSD	0	50.0	44.6	89.2	-----	-----	-----	-----	-----	-----	, , 9295,	

BENZO(B)FLUORANTHENE																			
8100 ug/Kg	< 660	-----	BS	37.0	44.8	19.07	BS	0	50.0	37.0	74.0	-----	-----	-----	-----	-----	-----	9295, 9295, 9295,	
	-----	-----		-----	-----	-----	BSD	0	50.0	44.8	89.6	-----	-----	-----	-----	-----	-----	, , 9295,	

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,

Page 15

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

Analysis																

BENZOC(K)FLUORANTHENE																
ME	< 660	BS	37.0	44.8	19.07	BS	0	50.0	37.0	74.0					9295, 9295, 9295,	
8100						BSD	0	50.0	44.8	89.6					, 9295,	
ug/Kg																
BENZOC(A)PYRENE																
8100	< 660	BS	34.2	41.6	19.53	BS	0	50.0	34.2	68.4					9295, 9295, 9295,	
ug/Kg						BSD	0	50.0	41.6	83.2					, 9295,	
INDENO(1,2,3-CD)PYRENE																
8100	< 660	BS	29.6	36.6	21.15	BS	0	50.0	29.6	59.2					9295, 9295, 9295,	
ug/Kg						BSD	0	50.0	36.6	73.2					, 9295,	
DIBENZ(A,H)ANTHRACENE																
8100	< 660	BS	29.6	36.6	21.15	BS	0	50.0	29.6	59.2					9295, 9295, 9295,	
ug/Kg						BSD	0	50.0	36.6	73.2					, 9295,	
BENZOC(G,H,I)PERYLENE																
8100	< 660	BS	32.7	38.5	16.29	BS	0	50.0	32.7	65.4					9295, 9295, 9295,	
ug/Kg						BSD	0	50.0	38.5	77.0					, 9295,	

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 09/12/95

QA/QC for SAMPLE Nos: 8922, 8923, 8924, 8925, 8926, 8927, 8928, 8929, 8930, 8931,
Page 16

Analysis	Precision Data						Accuracy Data						Ref. Sample Data						Analyt. Batch Number
	Blank Conc.	Sample Number	Samp Type	Rep	Rep	RPD	Samp Type	Raw Conc.	Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %			
				A	B	%											%		
SURROGATE																			
2-FLUOROBIPHENYL							B	0	50.0		35.9	71.8					, 9295		
8100							BS	0	50.0		34.0	68.0					, 9295		
% Recovery							BSD	0	50.0		40.8	81.6					, 9295		
SURROGATE																			
O-TERPHENYL							B	0	50.0		36.3	72.6					, 9295		
8100							BS	0	50.0		37.4	74.8					, 9295		
% Recovery							BSD	0	50.0		40.5	81.0					, 9295		

ENVIRONMENTAL, INC.
CHILD OF CUSTODY RECORD

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2204

Project No.

Infect Monit

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Snijders (Stijn) J.

James Thompson

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Relinquished by: Stewart, J. J.
Relinquished by: J. J. Stewart

Date / Time 8-8-25

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Date / Time

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K. Moya

JAMES 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. Mike McRae

REPORT DATE: 05/16/95
PROJECT NAME- Ft. Stewart 4/7

SAMPLE ID- #220-T1-GW
LOCATION- FT. Stewart
SAMPLE NUMBER- 5952
SAMPLE MATRIX- GROUNDWATER

DATE SAMPLED- 04/05/95
TIME SAMPLED- 1750
DATE RECEIVED- 04/07/95

TIME RECEIVED- 1045
DELIVERED BY- Greyhound
RECEIVED BY- DH
SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
----------	--------------	------------	---------------	---------------	--------	-------------

VOLATILE ORGANIC COMPOUNDS

BENZENE	< 100 ug/L	100	04/11/95	8020		100
TOLUENE	< 100 ug/L	100				100
CHLOROBENZENE	< 100 ug/L	100				100
M,P-XYLENES	< 200 ug/L	200				200
O-XYLENES	< 100 ug/L	100				100
ETHYL BENZENE	< 100 ug/L	100				100
1,2-DICHLOROBENZENE	< 100 ug/L	100				100
1,3-DICHLOROBENZENE	< 100 ug/L	100				100
1,4-DICHLOROBENZENE	< 100 ug/L	100				100
SURROGATE BROMOFLUOROBENZENE	74 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	89 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				

POLYNUCLEAR AROMATIC HYDROCARB

NAPHTHALENE	< 100. ug/L	100.	04/10/95	04/18/95	8100	10
ACENAPHTHYLENE	< 100. ug/L	100.				10
ACENAPHTHENE	< 100. ug/L	100.				10
FLUORENE	< 100. ug/L	100.				10
PHENANTHRENE	< 100. ug/L	100.				10
ANTHRACENE	< 100. ug/L	100.				10
FLUORANTHENE	< 100. ug/L	100.				10
PYRENE	< 100. ug/L	100.				10
BENZO(A)ANTHRACENE	< 100. ug/L	100.				10
CHRYSENE	< 100. ug/L	100.				10
7,8-DIBENZO(B)FLUORANTHENE	< 100. ug/L	100.				10

CONTINUATION OF DATA FOR SAMPLE NUMBER 5952

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZO(K)FLUORANTHENE	< 100. ug/L	100.				10
BENZO(A)PYRENE	< 100. ug/L	100.				10
INDENO(1,2,3-CD)PYRENE	< 100. ug/L	100.				10
DIBENZ(A,H)ANTHRACENE	< 100. ug/L	100.				10
BENZO(G,H,I)PERYLENE	< 100. ug/L	100.				10
SURROGATE 2-FLUOROBIPHENYL	MASKED % Recovery					10
SURROGATE O-TERPHENYL	MASKED % Recovery					

SAMPLE DILUTED DUE TO SUSPECTED MATRIX INTERFERENCE
Sample contains high conc. of organics-8100 surrogates masked by sample components.

SAMPLE ID- Trip Blank

LOCATION- FT. Stewart

SAMPLE NUMBER- 5953

SAMPLE MATRIX- GROUNDWATER

DATE SAMPLED- 04/05/95

TIME SAMPLED- NA

DATE RECEIVED- 04/07/95

TIME RECEIVED- 1045

DELIVERED BY- Grayhound

RECEIVED BY- DH

SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS				04/11/95	8020	
BENZENE	< 1 ug/L	1				
TOLUENE	1.8 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	93 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	118 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				

SCDHEC Laboratory ID 40111

LABORATORY DIRECTOR

James H. Carr

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 05/16/95

QA/QC for SAMPLE Nos: 5952, 5953,

Page 1

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. %	Sample ID	Target Conc.		Found Conc.
BENZENE 8020 ug/L	< 1	BS	20.5	19.0	7.59	BS	0	20.0	20.5	102.5				6421, 6421, 6421,
						BSD	0	20.0	19.0	95.0				, 6421,
TOLUENE 8020 ug/L	< 1	BS	19.5	18.3	6.35	BS	0	20.0	19.5	97.5				6421, 6421, 6421,
						BSD	0	20.0	18.3	91.5				, 6421,
CHLOROBENZENE 8020 ug/L	< 1	BS	20.6	19.2	7.04	BS	0	20.0	20.6	103.0				6421, 6421, 6421,
						BSD	0	20.0	19.2	96.0				, 6421,
M,P-XYLENES 8020 ug/L	< 2	BS	33.6	31.8	5.50	BS	0	40.0	33.6	84.0				6421, 6421, 6421,
						BSD	0	40.0	31.8	79.5				, 6421,
O-XYLENES 8020 ug/L	< 1	BS	21.4	19.8	7.77	BS	0	20.0	21.4	107.0				6421, 6421, 6421,
						BSD	0	20.0	19.8	99.0				, 6421,

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 05/16/95

QA/QC for SAMPLE Nos: 5952, 5953,

Page 3

Analysis	Blank Conc.	Sample Number	Sample Type	Precision Data			Accuracy Data			Ref. Sample Data							
				Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number	
SURROGATE maa-TRIF	< 50		BS	48.9	50.4	3.02	BS	0	60.0	66.3	110.5						
LUOROTOLUENE								0	60.0	68.3	113.8						6421,
8020								0	60.0	62.6	104.3						6421,
% Recovery																	6421,
NAPHTHALENE																	
8100	< 50		BS	48.9	50.4	3.02	BS	0	50.0	48.9	97.8						7007, 7007, 7007,
ug/L								0	50.0	50.4	100.8						, 7007,
ACENAPHTHRYLENE																	
8100	< 50		BS	53.5	56.0	4.57	BS	0	50.0	53.5	107.0						7007, 7007, 7007,
ug/L								0	50.0	56.0	112.0						, 7007,
ACENAPHTHRENE																	
8100	< 50		BS	51.8	54.5	5.08	BS	0	50.0	51.8	103.6						7007, 7007, 7007,
ug/L								0	50.0	54.5	109.0						, 7007,
FLUORENE																	
1100	< 50		BS	54.6	57.4	5.00	BS	0	50.0	54.6	109.2						7007, 7007, 7007,
ug/L								0	50.0	57.4	114.8						, 7007,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 05/16/95

QA/QC for SAMPLE Nos: 5952, 5953,
Page 4

Analysis	Precision Data				Accuracy Data				Ref. Sample Data						
	Blank Conc.	Sample Number	Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
PHENANTHRENE	< 50	BS	63.3	66.1	4.33	BS	0	50.0	63.3	126.6					7007, 7007, 7007,
8100 ug/L						BSD	0	50.0	66.1	132.2					, , 7007,
ANTHRACENE	< 50	BS	50.7	51.9	2.34	BS	0	50.0	50.7	101.4					7007, 7007, 7007,
8100 ug/L						BSD	0	50.0	51.9	103.8					, , 7007,
FLUORANTHENE	< 50	BS	62.8	65.1	3.60	BS	0	50.0	62.8	125.6					7007, 7007, 7007,
8100 ug/L						BSD	0	50.0	65.1	130.2					, , 7007,
PYRENE	< 50	BS	62.4	64.4	3.15	BS	0	50.0	62.4	124.8					7007, 7007, 7007,
8100 ug/L						BSD	0	50.0	64.4	128.8					, , 7007,
BENZO(A)ANTHRACENE	< 50	BS	61.8	63.8	3.18	BS	0	50.0	61.8	123.6					7007, 7007, 7007,
3100 ug/L						BSD	0	50.0	63.8	127.6					, , 7007,

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Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 05/16/95

QA/QC for SAMPLE Nos; 5952, 5953,
Page 5

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. %	Sample ID	Target Conc.	Found Conc.	Rec. %		
CHRYSENE	< 50	BS	64.8	63.8	1.56	BS	0	50.0	61.8	123.6					7007, 7007, 7007,	
8100 ug/L						BSD	0	50.0	63.8	127.6					, , 7007,	
BENZO(B)FLUORANTHENE	< 50	BS	63.0	65.4	3.74	BS	0	50.0	63.0	126.0					7007, 7007, 7007,	
NE						BSD	0	50.0	65.4	130.8					, , 7007,	
8100 ug/L																
BENZO(K)FLUORANTHENE	< 50	BS	63.0	65.4	3.74	BS	0	50.0	63.0	126.0					7007, 7007, 7007,	
NE						BSD	0	50.0	65.4	130.8					, , 7007,	
8100 ug/L																
BENZO(A)PYRENE	< 50	BS	61.5	62.9	2.25	BS	0	50.0	61.5	123.0					7007, 7007, 7007,	
8100 ug/L						BSD	0	50.0	62.9	125.8					, , 7007,	
INDENO(1,2,3-CD)PYRENE	< 50	BS	60.8	63.5	4.34	BS	0	50.0	60.8	121.6					7007, 7007, 7007,	
NE						BSD	0	50.0	63.5	127.0					, , 7007,	
1100 ug/L																

CHAIN OF CUSTODY RECORD

Page__of__

Box 1482b

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JAMES 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. Mike McRae

REPORT DATE: 01/23/95

PROJECT NAME: ~~XXXXXXXXXX~~

SAMPLE ID- 8075-217-S

TIME RECEIVED- 0810

DATE SAMPLED- 01/11/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 4362

TIME SAMPLED- 1715

RECEIVED BY- IW

SAMPLE MATRIX- SOIL

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	89.2 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	50.4 mg/Kg	11.2	01/16/95	01/24/95	9071	
FILE ORGANIC COMPOUNDS				01/18/95	8020	
BENZENE	<1.12 ug/Kg	1.12				
TOLUENE	<1.12 ug/Kg	1.12				
CHLOROBENZENE	<1.12 ug/Kg	1.12				
M,P-XYLENES	<1.12 ug/Kg	1.12				
O-XYLENES	<1.12 ug/Kg	1.12				
ETHYL BENZENE	<1.12 ug/Kg	1.12				
1,2-DICHLOROBENZENE	<1.12 ug/Kg	1.12				
1,3-DICHLOROBENZENE	<1.12 ug/Kg	1.12				
1,4-DICHLOROBENZENE	<1.12 ug/Kg	1.12				
SURROGATE BROMOFLUOROBENZENE	69 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	94 % Recovery					

SAMPLE ID- 8075-217-B-S

TIME RECEIVED- 0810

DATE SAMPLED- 01/11/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 4363

TIME SAMPLED- 1720

RECEIVED BY- IW

SAMPLE MATRIX- SOIL

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	92.2 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	<10.8 mg/Kg	10.8	01/16/95	01/24/95	9071	
FILE ORGANIC COMPOUNDS				01/18/95	8020	

CONTINUATION OF DATA FOR SAMPLE NUMBER 4363

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZENE	<1.08 ug/Kg	1.08				
TOLUENE	<1.08 ug/Kg	1.08				
CHLOROBENZENE	<1.08 ug/Kg	1.08				
M,P-XYLENES	<1.08 ug/Kg	1.08				
O-XYLENES	<1.08 ug/Kg	1.08				
ETHYL BENZENE	<1.08 ug/Kg	1.08				
1,2-DICHLOROBENZENE	<1.08 ug/Kg	1.08				
1,3-DICHLOROBENZENE	<1.08 ug/Kg	1.08				
1,4-DICHLOROBENZENE	<1.08 ug/Kg	1.08				
SURROGATE BROMOFLUOROBENZENE	71 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	99 % Recovery					

SAMPLE ID- 8075-222-A-GW

TIME RECEIVED- 0810

SAMPLE NUMBER- 4364

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- GROUNDWATER

TIME SAMPLED- 1630

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

YSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS				01/21/95	8020	
BENZENE	1580 ug/L	100				100
TOLUENE	6100 ug/L	100				100
CHLOROBENZENE	< 100 ug/L	100				100
M,P-XYLENES	7500 ug/L	200				200
O-XYLENES	3400 ug/L	100				100
ETHYL BENZENE	1480 ug/L	100				100
1,2-DICHLOROBENZENE	< 100 ug/L	100				100
1,3-DICHLOROBENZENE	< 100 ug/L	100				100
1,4-DICHLOROBENZENE	< 100 ug/L	100				100
SURROGATE BROMOFLUOROBENZENE	95 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	95 % Recovery					

SAMPLE ID- 8075-222-B-GW

TIME RECEIVED- 0810

SAMPLE NUMBER- 4365

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- GROUNDWATER

TIME SAMPLED- 1700

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
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FILE ORGANIC COMPOUNDS

01/24/95 8020

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 1

Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number	
	Blank Conc.	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.		Found Conc.
BENZENE	< 1	BS	23.3	20.7	11.82	BS	0	20.0	23.3	116.5				4975, 4975, 4975,
8260	< 1	BS	21.5	20.9	2.83	BSD	0	20.0	20.7	103.5				5154, 5154, 4975,
ug/L						BS	0	20.0	21.5	107.5				, 5154,
						BSD	0	20.0	20.9	104.5				, 5154,
TOLUENE	< 1	BS	25.7	21.2	19.19	BS	0	20.0	25.7	128.5				4975, 4975, 4975,
8020	< 1	BS	21.6	21.3	1.40	BSD	0	20.0	21.2	106.0				5154, 5154, 4975,
ug/L						BS	0	20.0	20.9	104.5				, 5154,
						BSD	0	20.0	21.3	106.5				, 5154,
CHLOROBENZENE	< 1	BS	25.0	21.9	13.22	BS	0	20.0	25.0	125.0				4975, 4975, 4975,
8020	< 1	BS	22.8	22.7	0.44	BSD	0	20.0	21.9	109.5				5154, 5154, 4975,
ug/L						BS	0	20.0	22.8	114.0				, 5154,
						BSD	0	20.0	22.7	113.5				, 5154,
M,P-XYLENES	< 1	BS	55.6	43.4	24.65	BS	0	40.0	55.6	139.0				4975, 4975, 4975,
8020	< 2	BS	43.0	42.7	0.70	BSD	0	40.0	43.4	108.5				5154, 5154, 4975,
ug/L						BS	0	40.0	43.0	107.5				, 5154,
						BSD	0	40.0	42.7	106.8				, 5154,
O-XYLENES	< 1	BS	25.9	23.8	8.45	BS	0	20.0	25.9	129.5				4975, 4975, 4975,
8020	< 1	BS	21.3	21.3	0.00	BSD	0	20.0	23.8	119.0				5154, 5154, 4975,
ug/L						BS	0	20.0	21.3	106.5				, 5154,
						BSD	0	20.0	21.3	106.5				, 5154,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 2

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.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %
ETHYL BENZENE	< 1	-----	BS	28.6	21.0	30.65	BS	0	0	20.0	28.6	143.0	-----	-----	-----	4975, 4975, 4975,
8020	< 1	-----	BS	20.9	21.5	2.83	BSD	0	0	20.0	21.0	105.0	-----	-----	-----	5154, 5154, 4975,
ug/L	-----	-----	-----	-----	-----	-----	BS	0	0	20.0	20.9	104.5	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	0	20.0	21.5	107.5	-----	-----	-----	, 5154,
1,2-DICHLOROBENZENE	< 1	-----	BS	24.5	21.5	13.04	BS	0	0	20.0	24.5	122.5	-----	-----	-----	4975, 4975, 4975,
E	< 1	-----	BS	22.3	23.3	4.39	BSD	0	0	20.0	21.5	107.5	-----	-----	-----	5154, 5154, 4975,
8020	-----	-----	-----	-----	-----	-----	BS	0	0	20.0	22.3	111.5	-----	-----	-----	, 5154,
ug/L	-----	-----	-----	-----	-----	-----	BSD	0	0	20.0	23.3	116.5	-----	-----	-----	, 5154,
1,3-DICHLOROBENZENE	< 1	-----	BS	25.8	22.3	14.55	BS	0	0	20.0	25.8	129.0	-----	-----	-----	4975, 4975, 4975,
E	< 1	-----	BS	23.3	23.9	2.54	BSD	0	0	20.0	22.3	111.5	-----	-----	-----	5154, 5154, 4975,
8020	-----	-----	-----	-----	-----	-----	BS	0	0	20.0	23.3	116.5	-----	-----	-----	, 5154,
ug/L	-----	-----	-----	-----	-----	-----	BSD	0	0	20.0	23.9	119.5	-----	-----	-----	, 5154,
1,4-DICHLOROBENZENE	< 1	-----	BS	25.4	22.0	14.35	BS	0	0	20.0	25.4	127.0	-----	-----	-----	4975, 4975, 4975,
E	< 1	-----	BS	23.1	23.8	2.99	BSD	0	0	20.0	22.0	110.0	-----	-----	-----	5154, 5154, 4975,
8020	-----	-----	-----	-----	-----	-----	BS	0	0	20.0	23.1	115.5	-----	-----	-----	, 5154,
ug/L	-----	-----	-----	-----	-----	-----	BSD	0	0	20.0	23.8	119.0	-----	-----	-----	, 5154,
SURROGATE	-----	-----	-----	-----	-----	-----	B	0	0	30.0	26.1	87.0	-----	-----	-----	, 4975,
BROMOFLUOROBENZENE	-----	-----	-----	-----	-----	-----	BS	0	0	30.0	34.4	114.7	-----	-----	-----	, 4975,
8020	-----	-----	-----	-----	-----	-----	BSD	0	0	30.0	30.4	101.3	-----	-----	-----	, 4975,
% Recovery	-----	-----	-----	-----	-----	-----	B	0	0	30.0	26.1	87.0	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BS	0	0	30.0	33.1	110.3	-----	-----	-----	, 5154,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 3

Analysis	Blank Conc.	Sample Number	Samp Type	Precision Data			Accuracy Data			Ref. Sample Data					Analy. Batch Number
				Rep A	Rep B	RPD %	Samp Raw Spk Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	
SURROGATE 8020 % Recovery	< 1	4363	MS	17.0	18.2	6.82	MS	<1.0	20.0	17.0	82.5	-----	-----	-----	4976, 4976, 4976,
	< 1	4363	BS	21.8	22.1	1.37	BS	<1.0	20.0	18.2	88.5	-----	-----	-----	5120, , 4976,
	-----	-----	BS	21.5	20.9	2.83	BSD	0	20.0	21.8	109.0	-----	-----	-----	4976, 4976,
	-----	-----	BS	-----	-----	-----	BS	0	20.0	22.1	110.5	-----	-----	-----	5120, 4976,
	-----	-----	BS	-----	-----	-----	BS	0	20.0	21.5	107.5	-----	-----	-----	5120, , 5120,
BENZENE 8020 ug/Kg	< 1	4363	MS	16.5	17.5	5.88	MS	<1.0	20.0	16.5	80.0	-----	-----	-----	4976, 4976, 4976,
	< 1	4363	BS	21.8	22.6	3.60	BS	<1.0	20.0	17.5	85.0	-----	-----	-----	5120, , 4976,
	-----	-----	BS	21.6	21.3	1.40	BSD	0	20.0	21.8	109.0	-----	-----	-----	4976, 4976,
	-----	-----	BS	-----	-----	-----	BS	0	20.0	22.6	113.0	-----	-----	-----	5120, 4976,
	-----	-----	BS	-----	-----	-----	BS	0	20.0	21.6	108.0	-----	-----	-----	5120, , 5120,
TOLUENE 8020 ug/Kg	< 1	4363	MS	16.5	17.5	5.88	MS	<1.0	20.0	16.5	80.0	-----	-----	-----	4976, 4976, 4976,
	< 1	4363	BS	21.8	22.6	3.60	BS	<1.0	20.0	17.5	85.0	-----	-----	-----	5120, , 4976,
	-----	-----	BS	21.6	21.3	1.40	BSD	0	20.0	21.8	109.0	-----	-----	-----	4976, 4976,
	-----	-----	BS	-----	-----	-----	BS	0	20.0	22.6	113.0	-----	-----	-----	5120, 4976,
	-----	-----	BS	-----	-----	-----	BS	0	20.0	21.6	108.0	-----	-----	-----	5120, , 5120,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,
Page 4

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.
CHLOROBENZENE	< 1	4363	MS	16.9	18.3	7.95	MS	<1.0	20.0	16.9	82.0			4976, 4976, 4976,
8020	< 1	4363					MSD	<1.0	20.0	18.3	89.0			5120, , 4976,
ug/Kg			BS	24.2	24.5	1.23	BS	0	20.0	24.2	121.0			, 4976, 4976,
			BS	22.8	22.7	0.44	BSD	0	20.0	24.5	122.5			, 5120, 4976,
							BS	0	20.0	22.8	114.0			, , 5120,
							BSD	0	20.0	22.7	113.5			, , 5120,
M,P-XYLENES	< 1	4363	MS	31.9	32.8	2.78	MS	<2.0	40.0	31.9	77.3			4976, 4976, 4976,
8020	< 1	4363					MSD	<2.0	40.0	32.8	79.5			5120, , 4976,
ug/Kg			BS	43.1	46.2	6.94	BS	0	40.0	43.1	107.8			, 4976, 4976,
			BS	43.0	42.7	0.70	BSD	0	40.0	46.2	115.5			, 5120, 4976,
							BS	0	40.0	43.0	107.5			, , 5120,
							BSD	0	40.0	42.7	106.8			, , 5120,
O-XYLENES	< 1	4363	MS	16.4	16.9	3.00	MS	<1.0	20.0	16.4	79.5			4976, 4976, 4976,
8020	< 1	4363					MSD	<1.0	20.0	16.9	82.0			5120, , 4976,
ug/Kg			BS	22.4	23.7	5.64	BS	0	20.0	22.4	112.0			, 4976, 4976,
			BS	21.3	21.3	0.00	BSD	0	20.0	23.7	118.5			, 5120, 4976,
							BS	0	20.0	21.3	106.5			, , 5120,
							BSD	0	20.0	21.3	106.5			, , 5120,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 5

			Precision Data				Accuracy Data				Ref. Sample Data						
Analysis	Blank Conc.	Sample Number	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Samp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
ETHYL BENZENE 8020 ug/Kg	< 1	4363	MS	17.3	17.1	1.16	MS		<1.0	20.0	17.3	84.0					4976, 4976, 4976,
	< 1	4363					MSD		<1.0	20.0	17.1	83.0					5120, , 4976,
			BS	21.4	23.7	10.20	BS		0	20.0	21.4	107.0					4976, 4976,
			BS	20.9	21.5	2.83	BSD		0	20.0	23.7	118.5					5120, 4976,
							BS		0	20.0	20.9	104.5					5120, 4976,
							BSD		0	20.0	21.5	107.5					5120, , 5120,
1,2-DICHLOROBENZEN E 8020 ug/Kg	< 1	4363	MS	13.8	15.5	11.60	MS		<1.0	20.0	13.8	66.5					4976, 4976, 4976,
	< 1	4363					MSD		<1.0	20.0	15.5	75.0					5120, , 4976,
			BS	23.3	23.9	2.54	BS		0	20.0	23.3	116.5					4976, 4976,
			BS	22.3	23.3	4.39	BSD		0	20.0	23.9	119.5					5120, 4976,
							BS		0	20.0	22.3	111.5					5120, 4976,
							BSD		0	20.0	23.3	116.5					5120, , 5120,
1,3-DICHLOROBENZEN E 8020 ug/Kg	< 1	4363	MS	17.8	19.7	10.13	MS		<1.0	20.0	17.8	86.5					4976, 4976, 4976,
	< 1	4363					MSD		<1.0	20.0	19.7	96.0					5120, , 4976,
			BS	26.1	27.3	4.49	BS		0	20.0	26.1	130.5					4976, 4976,
			BS	23.3	23.9	2.54	BSD		0	20.0	27.3	136.5					5120, 4976,
							BS		0	20.0	23.3	116.5					5120, 4976,
							BSD		0	20.0	23.9	119.5					5120, , 5120,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,
Page 6

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. %
1,4-DICHLOROBENZEN	< 1	4363	MS	13.9	15.5	10.88	MS	<1.0	20.0	13.9	67.0			4976, 4976, 4976,
E	< 1	4363							20.0	15.5	75.0			5120, , 4976,
8020			BS	24.2	24.6	1.64	BS	0	20.0	24.2	121.0			, 4976, 4976,
ug/Kg			BS	23.1	23.8	2.99	BSD	0	20.0	24.6	123.0			, 5120, 4976,
							BS	0	20.0	23.1	115.5			, 5120,
							BSD	0	20.0	23.8	119.0			, 5120,
SURROGATE		4363					MS	0	30.0	21.0	70.0			, 4976,
BROMOFLUOROBENZENE		4363					MSD	0	30.0	22.4	74.7			, 4976,
8020							B	0	30.0	26.1	87.0			, 4976,
% Recovery							BS	0	30.0	33.6	112.0			, 4976,
							BSD	0	30.0	33.5	111.7			, 4976,
							B	0	30.0	26.1	87.0			, 5120,
							BS	0	30.0	33.1	110.3			, 5120,
							BSD	0	30.0	33.7	112.3			, 5120,
SURROGATE aaa -TRIF		4363					MS	0	30.0	25.1	83.7			, 4976,
LUOROTOLUENE		4363					MSD	0	30.0	26.7	89.0			, 4976,
8020							B	0	30.0	29.7	99.0			, 4976,
% Recovery							BS	0	30.0	34.5	115.0			, 4976,
							BSD	0	30.0	34.0	113.3			, 4976,
							B	0	30.0	25.8	86.0			, 5120,
							BS	0	30.0	32.9	109.7			, 5120,
							BSD	0	30.0	33.2	110.7			, 5120,

Page 1 of 1

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Received by:

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Remarks:

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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 fact that soil was NOT excavated at these sites.

NOTE: All contaminated soil removed during the project 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.

Results of Soil Analysis

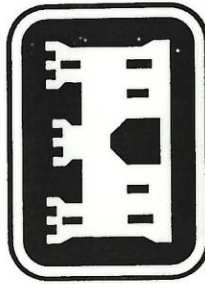
Sample ID	TPH (mg/kg)	BTEX (ug/kg)
Tank 217		
1	50.4	BDL
2	BDL	- - -

BDL = Below Detection Limit

Results of Groundwater Analysis

Sample ID	TPH (mg/kg)	BTEX (ug/kg)
1	BDL	BDL

Prepared for:



US Army Corps
of Engineers
Savannah District

LEGEND/REF. DRWG'S

LOCATION: BLDG#4502
TANK#220-5,000 GALLON U.S.T.

- ② Soil sampling locality
- G Groundwater sampling locality

ANDERSON COLUMBIA

ENVIRONMENTAL, INC.
P. O. BOX 1386 LAKE CITY, FLORIDA 32056 (904) 755-1196

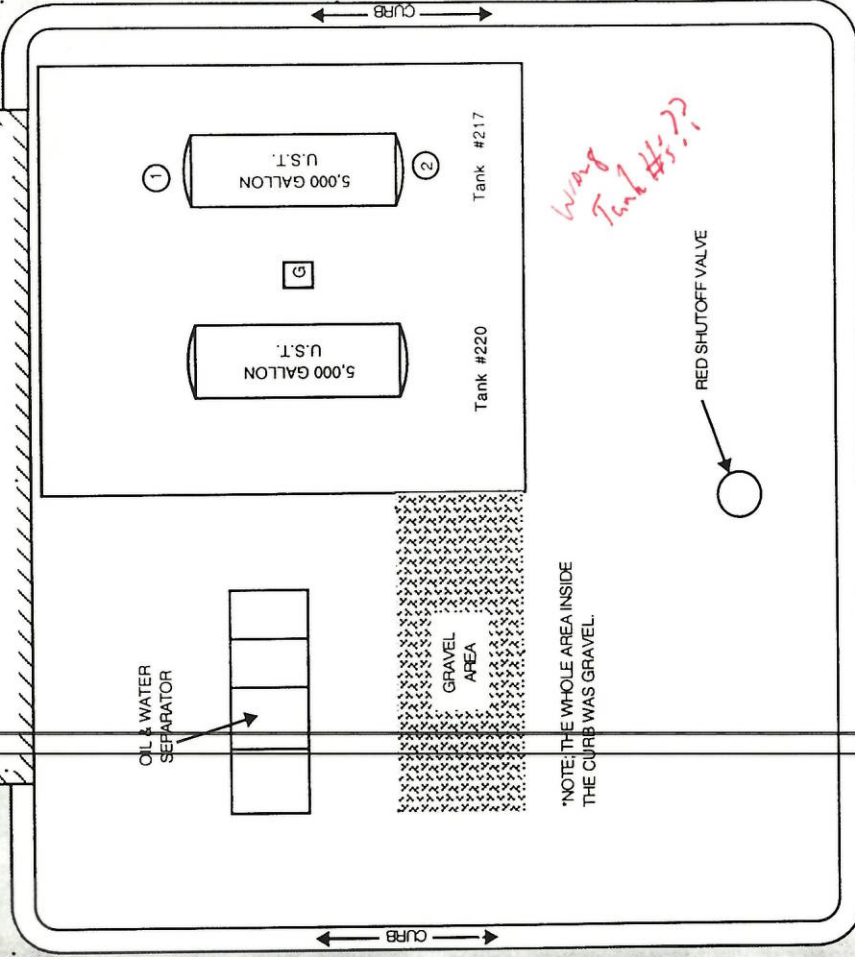
DR. WCG CHD SRC DR. APP
ENGR. ENGR'G DEPT.
DATE 4/25/95 SCALE N/A

Site Map

Ft. Stewart, Hinesville, GA
Building 4502, Tanks 217 and 220

DRAWING NO.: FIGURE 20

BLDG#4502



CONCRETE AREA

RED SHUTOFF VALVE

*NOTE: THE WHOLE AREA INSIDE THE CURB WAS GRAVEL.

GRAVEL AREA

Oil & Water Separator

Tank #217

Tank #220

5,000 GALLON U.S.T.

5,000 GALLON U.S.T.

G

JAMES 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. Mike McRae

REPORT DATE: 01/18/95
PROJECT NAME: [REDACTED]

SAMPLE ID- 8075-217-A-S

TIME RECEIVED- 0810

SAMPLE NUMBER- 4362

DATE SAMPLED- 01/11/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- SOIL

TIME SAMPLED- 1715

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	89.2 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	50.4 mg/Kg	11.2	01/16/95	01/24/95	9071	
LATILE ORGANIC COMPOUNDS				01/18/95	8020	
BENZENE	<1.12 ug/Kg	1.12				
TOLUENE	<1.12 ug/Kg	1.12				
CHLOROBENZENE	<1.12 ug/Kg	1.12				
M,P-XYLENES	<1.12 ug/Kg	1.12				
O-XYLENES	<1.12 ug/Kg	1.12				
ETHYL BENZENE	<1.12 ug/Kg	1.12				
1,2-DICHLOROBENZENE	<1.12 ug/Kg	1.12				
1,3-DICHLOROBENZENE	<1.12 ug/Kg	1.12				
1,4-DICHLOROBENZENE	<1.12 ug/Kg	1.12				
SURROGATE BROMOFLUOROBENZENE	69 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	94 % Recovery					

SAMPLE ID- 8075-217-B-S

TIME RECEIVED- 0810

SAMPLE NUMBER- 4363

DATE SAMPLED- 01/11/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- SOIL

TIME SAMPLED- 1720

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	92.2 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	<10.8 mg/Kg	10.8	01/16/95	01/24/95	9071	
LATILE ORGANIC COMPOUNDS				01/18/95	8020	

CONTINUATION OF DATA FOR SAMPLE NUMBER 4363

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZENE	<1.08 ug/Kg	1.08				
TOLUENE	<1.08 ug/Kg	1.08				
CHLOROBENZENE	<1.08 ug/Kg	1.08				
M,P-XYLENES	<1.08 ug/Kg	1.08				
O-XYLENES	<1.08 ug/Kg	1.08				
ETHYL BENZENE	<1.08 ug/Kg	1.08				
1,2-DICHLOROBENZENE	<1.08 ug/Kg	1.08				
1,3-DICHLOROBENZENE	<1.08 ug/Kg	1.08				
1,4-DICHLOROBENZENE	<1.08 ug/Kg	1.08				
SURROGATE BROMOFLUOROBENZENE	71 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	99 % Recovery					

SAMPLE ID- 8075-222-A-GW

TIME RECEIVED- 0810

SAMPLE NUMBER- 4364

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- GROUNDWATER

TIME SAMPLED- 1630

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS				01/21/95	8020	
BENZENE	1580 ug/L	100				100
TOLUENE	6100 ug/L	100				100
CHLOROBENZENE	< 100 ug/L	100				100
M,P-XYLENES	7500 ug/L	200				200
O-XYLENES	3400 ug/L	100				100
ETHYL BENZENE	1480 ug/L	100				100
1,2-DICHLOROBENZENE	< 100 ug/L	100				100
1,3-DICHLOROBENZENE	< 100 ug/L	100				100
1,4-DICHLOROBENZENE	< 100 ug/L	100				100
SURROGATE BROMOFLUOROBENZENE	95 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	95 % Recovery					

SAMPLE ID- 8075-222-B-GW

TIME RECEIVED- 0810

SAMPLE NUMBER- 4365

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- GROUNDWATER

TIME SAMPLED- 1700

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
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VOLATILE ORGANIC COMPOUNDS

01/24/95 8020

CONTINUATION OF DATA FOR SAMPLE NUMBER 4365

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZENE	840 ug/L	100				100
TOLUENE	3270 ug/L	100				100
CHLOROBENZENE	< 100 ug/L	100				100
M,P-XYLENES	4280 ug/L	200				200
O-XYLENES	1960 ug/L	100				100
ETHYL BENZENE	1010 ug/L	100				100
1,2-DICHLOROBENZENE	< 100 ug/L	100				100
1,3-DICHLOROBENZENE	< 100 ug/L	100				100
1,4-DICHLOROBENZENE	< 100 ug/L	100				100
SURROGATE BROMOFLUOROBENZENE	108 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	101 % Recovery					

SAMPLE ID- 8075-222-A-S

TIME RECEIVED- 0810

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 4366

TIME SAMPLED- 1625

RECEIVED BY- IW

SAMPLE MATRIX- SOIL

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	81.3 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	<12.3 mg/Kg	12.3	01/16/95	01/24/95	9071	
VOLATILE ORGANIC COMPOUNDS				01/24/95	8020	
BENZENE	<61.5 ug/Kg	61.5				50
TOLUENE	364. ug/Kg	61.5				50
CHLOROBENZENE	<61.5 ug/Kg	61.5				50
M,P-XYLENES	5090 ug/Kg	123.				100
O-XYLENES	1730 ug/Kg	61.5				50
ETHYL BENZENE	1210 ug/Kg	61.5				50
1,2-DICHLOROBENZENE	<61.5 ug/Kg	61.5				50
1,3-DICHLOROBENZENE	<61.5 ug/Kg	61.5				50
1,4-DICHLOROBENZENE	<61.5 ug/Kg	61.5				50
SURROGATE BROMOFLUOROBENZENE	102 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	113 % Recovery					

SAMPLE ID- 8075-222-C-S

TIME RECEIVED- 0810

SAMPLE NUMBER- 4367

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- SOIL

TIME SAMPLED- 1645

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	86.0 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	<11.6 mg/Kg	11.6	01/16/95	01/24/95	9071	
VOLATILE ORGANIC COMPOUNDS				01/24/95	8020	
BENZENE	<58.1 ug/Kg	58.1				50
TOLUENE	448 ug/Kg	58.1				50
CHLOROBENZENE	<58.1 ug/Kg	58.1				50
M,P-XYLENES	6620 ug/Kg	58.1				50
O-XYLENES	2070 ug/Kg	58.1				50
ETHYL BENZENE	1570 ug/Kg	58.1				50
1,2-DICHLOROBENZENE	<58.1 ug/Kg	58.1				50
1,3-DICHLOROBENZENE	<58.1 ug/Kg	58.1				50
1,4-DICHLOROBENZENE	<58.1 ug/Kg	58.1				50
SURROGATE BROMOFLUOROBENZENE	109 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	114 % Recovery					

SAMPLE ID- 8075-222-B-S

TIME RECEIVED- 0810

SAMPLE NUMBER- 4368

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- SOIL

TIME SAMPLED- 1635

RECEIVED BY- IW

DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	88.3 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	<11.3 mg/Kg	11.3	01/18/95	01/24/95	9071	
VOLATILE ORGANIC COMPOUNDS				01/24/95	8020	
BENZENE	<28.3 ug/Kg	28.3				25
TOLUENE	<28.3 ug/Kg	28.3				25
CHLOROBENZENE	<28.3 ug/Kg	28.3				25
M,P-XYLENES	1400 ug/Kg	56.6				50
O-XYLENES	<28.3 ug/Kg	28.3				25
ETHYL BENZENE	308. ug/Kg	28.3				25
1,2-DICHLOROBENZENE	<28.3 ug/Kg	28.3				25
1,3-DICHLOROBENZENE	<28.3 ug/Kg	28.3				25
1,4-DICHLOROBENZENE	<28.3 ug/Kg	28.3				25
SURROGATE BROMOFLUOROBENZENE	71 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	105 % Recovery					

SAMPLE ID- 8075-222-D-S

TIME RECEIVED- 0810

SAMPLE NUMBER- 4369

DATE SAMPLED- 01/12/95

DELIVERED BY- Greyhound

SAMPLE MATRIX- SOIL

TIME SAMPLED- 1655

RECEIVED BY- IW

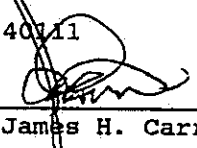
DATE RECEIVED- 01/16/95

SAMPLER- Client

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
% SOLIDS	89.0 %	0.01		01/18/95		
TOT. PET. HYDROCARBONS-OIL	<11.2 mg/Kg	11.2	01/18/95	01/24/95	9071	
VOLATILE ORGANIC COMPOUNDS				01/24/95	8020	
BENZENE	<28.1 ug/Kg	28.1				25
TOLUENE	115 ug/Kg	28.1				25
CHLOROBENZENE	<28.1 ug/Kg	28.1				25
M,P-XYLENES	2890 ug/Kg	56.2				50
O-XYLENES	60.7 ug/Kg	28.1				25
ETHYL BENZENE	683. ug/Kg	28.1				25
1,2-DICHLOROBENZENE	<28.1 ug/Kg	28.1				25
1,3-DICHLOROBENZENE	<28.1 ug/Kg	28.1				25
1,4-DICHLOROBENZENE	<28.1 ug/Kg	28.1				25
SURROGATE BROMOFLUOROBENZENE	69 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	85 % Recovery					

SCDHEC Laboratory ID 40411

LABORATORY DIRECTOR


James H. Carr

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 1

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.
BENZENE 8260 ug/L	< 1	-----	BS	23.3	20.7	11.82	BS	0	20.0	23.3	116.5	-----	-----	-----	4975, 4975, 4975,
	< 1	-----	BS	21.5	20.9	2.83	BSD	0	20.0	20.7	103.5	-----	-----	-----	5154, 5154, 4975,
	-----	-----	-----	-----	-----	-----	BS	0	20.0	21.5	107.5	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	20.9	104.5	-----	-----	-----	, 5154,
TOLUENE 8020 ug/L	< 1	-----	BS	25.7	21.2	19.19	BS	0	20.0	25.7	128.5	-----	-----	-----	4975, 4975, 4975,
	< 1	-----	BS	21.6	21.3	1.40	BSD	0	20.0	21.2	106.0	-----	-----	-----	5154, 5154, 4975,
	-----	-----	-----	-----	-----	-----	BS	0	20.0	20.9	104.5	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	21.3	106.5	-----	-----	-----	, 5154,
CHLOROBENZENE 8020 ug/L	< 1	-----	BS	25.0	21.9	13.22	BS	0	20.0	25.0	125.0	-----	-----	-----	4975, 4975, 4975,
	< 1	-----	BS	22.8	22.7	0.44	BSD	0	20.0	21.9	109.5	-----	-----	-----	5154, 5154, 4975,
	-----	-----	-----	-----	-----	-----	BS	0	20.0	22.8	114.0	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	22.7	113.5	-----	-----	-----	, 5154,
M,P-XYLENES 8020 ug/L	< 1	-----	BS	55.6	43.4	24.65	BS	0	40.0	55.6	139.0	-----	-----	-----	4975, 4975, 4975,
	< 2	-----	BS	43.0	42.7	0.70	BSD	0	40.0	43.4	108.5	-----	-----	-----	5154, 5154, 4975,
	-----	-----	-----	-----	-----	-----	BS	0	40.0	43.0	107.5	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	40.0	42.7	106.8	-----	-----	-----	, 5154,
O-XYLENES 8020 ug/L	< 1	-----	BS	25.9	23.8	8.45	BS	0	20.0	25.9	129.5	-----	-----	-----	4975, 4975, 4975,
	< 1	-----	BS	21.3	21.3	0.00	BSD	0	20.0	23.8	119.0	-----	-----	-----	5154, 5154, 4975,
	-----	-----	-----	-----	-----	-----	BS	0	20.0	21.3	106.5	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	21.3	106.5	-----	-----	-----	, 5154,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,
Page 2

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.
ETHYL BENZENE	< 1	-----	BS	28.6	21.0	30.65	BS	0	20.0	28.6	143.0	-----	-----	-----	4975, 4975, 4975,
8020	< 1	-----	BS	20.9	21.5	2.83	BSD	0	20.0	21.0	105.0	-----	-----	-----	5154, 5154, 4975,
ug/L	-----	-----	-----	-----	-----	-----	BS	0	20.0	20.9	104.5	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BSD	0	20.0	21.5	107.5	-----	-----	-----	, 5154,
1,2-DICHLOROBENZEN	< 1	-----	BS	24.5	21.5	13.04	BS	0	20.0	24.5	122.5	-----	-----	-----	4975, 4975, 4975,
E	< 1	-----	BS	22.3	23.3	4.39	BSD	0	20.0	21.5	107.5	-----	-----	-----	5154, 5154, 4975,
8020	-----	-----	-----	-----	-----	-----	BS	0	20.0	22.3	111.5	-----	-----	-----	, 5154,
ug/L	-----	-----	-----	-----	-----	-----	BSD	0	20.0	23.3	116.5	-----	-----	-----	, 5154,
1,3-DICHLOROBENZEN	< 1	-----	BS	25.8	22.3	14.55	BS	0	20.0	25.8	129.0	-----	-----	-----	4975, 4975, 4975,
E	< 1	-----	BS	23.3	23.9	2.54	BSD	0	20.0	22.3	111.5	-----	-----	-----	5154, 5154, 4975,
8020	-----	-----	-----	-----	-----	-----	BS	0	20.0	23.3	116.5	-----	-----	-----	, 5154,
ug/L	-----	-----	-----	-----	-----	-----	BSD	0	20.0	23.9	119.5	-----	-----	-----	, 5154,
1,4-DICHLOROBENZEN	< 1	-----	BS	25.4	22.0	14.35	BS	0	20.0	25.4	127.0	-----	-----	-----	4975, 4975, 4975,
E	< 1	-----	BS	23.1	23.8	2.99	BSD	0	20.0	22.0	110.0	-----	-----	-----	5154, 5154, 4975,
8020	-----	-----	-----	-----	-----	-----	BS	0	20.0	23.1	115.5	-----	-----	-----	, 5154,
ug/L	-----	-----	-----	-----	-----	-----	BSD	0	20.0	23.8	119.0	-----	-----	-----	, 5154,
SURROGATE	-----	-----	-----	-----	-----	-----	-----	0	30.0	23.1	87.0	-----	-----	-----	, 4975,
BROMOFLUOROBENZENE	-----	-----	-----	-----	-----	-----	BS	0	30.0	34.4	114.7	-----	-----	-----	, 4975,
8020	-----	-----	-----	-----	-----	-----	BSD	0	30.0	30.4	101.3	-----	-----	-----	, 4975,
% Recovery	-----	-----	-----	-----	-----	-----	B	0	30.0	26.1	87.0	-----	-----	-----	, 5154,
	-----	-----	-----	-----	-----	-----	BS	0	30.0	33.1	110.3	-----	-----	-----	, 5154,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 3

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. %		
SURROGATE aza-TRIF LUOROTOLUENE 8020 % Recovery																			
BENZENE 8020 ug/Kg	< 1	4363	MS	17.0	18.2	6.82	MS	<1.0	0	30.0	33.7	112.3							
	< 1	4363																	
			BS	21.8	22.1	1.37	BS	0	0	30.0	28.1	93.7							
			BS	21.5	20.9	2.83	BS	0	0	30.0	40.2	134.0							
											34.0	113.3							
TOLUENE 8020 ug/Kg																			

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 4

Analysis	Precision Data				Accuracy Data				Ref. Sample Data				Analy. Batch Number			
	Blank Conc.	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Smp Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID		Target Conc.	Found Conc.	Rec. %
CHLOROBENZENE 8020 ug/Kg	< 1	4363 MS	16.9	18.3	7.95 MS		<1.0		20.0	16.9	82.0					4976, 4976, 4976,
	< 1	4363				MSD			20.0	18.3	89.0					5120, , 4976,
		BS	24.2	24.5	1.23 BS		0		20.0	24.2	121.0					, 4976, 4976,
		BS	22.8	22.7	0.44 BSD		0		20.0	24.5	122.5					, 5120, 4976,
					BS		0		20.0	22.8	114.0					, , 5120,
					BSD		0		20.0	22.7	113.5					, , 5120,
M,P-XYLENES 8020 ug/Kg	< 1	4363 MS	31.9	32.8	2.78 MS		<2.0		40.0	31.9	77.3					4976, 4976, 4976,
	< 1	4363				MSD			40.0	32.8	79.5					5120, , 4976,
		BS	43.1	46.2	6.94 BS		0		40.0	43.1	107.8					, 4976, 4976,
		BS	43.0	42.7	0.70 BSD		0		40.0	46.2	115.5					, 5120, 4976,
					BS		0		40.0	43.0	107.5					, , 5120,
					BSD		0		40.0	42.7	106.8					, , 5120,
O-XYLENES 8020 ug/Kg	< 1	4363 MS	16.4	16.9	3.00 MS		<1.0		20.0	16.4	79.5					4976, 4976, 4976,
	< 1	4363				MSD			20.0	16.9	82.0					5120, , 4976,
		BS	22.4	23.7	5.64 BS		0		20.0	22.4	112.0					, 4976, 4976,
		BS	21.3	21.3	0.00 BSD		0		20.0	23.7	118.5					, 5120, 4976,
					BS		0		20.0	21.3	106.5					, , 5120,
					BSD		0		20.0	21.3	106.5					, , 5120,

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 5

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.
ETHYL BENZENE 8020 ug/Kg	< 1	4363	MS	17.3	17.1	1.16	MS	<1.0	20.0	17.3	84.0				4976, 4976, 4976,
	< 1	4363					MSD	<1.0	20.0	17.1	83.0				5120, , 4976,
			BS	21.4	23.7	10.20	BS	0	20.0	21.4	107.0				, 4976, 4976,
			BS	20.9	21.5	2.83	BSD	0	20.0	23.7	118.5				, 5120, 4976,
							BS	0	20.0	20.9	104.5				, , 5120,
						BSD	0	20.0	21.5	107.5				, , 5120,	
1,2-DICHLOROBENZEN E 8020 ug/Kg	< 1	4363	MS	13.8	15.5	11.60	MS	<1.0	20.0	13.8	66.5				4976, 4976, 4976,
	< 1	4363					MSD	<1.0	20.0	15.5	75.0				5120, , 4976,
			BS	23.3	23.9	2.54	BS	0	20.0	23.3	116.5				, 4976, 4976,
			BS	22.3	23.3	4.39	BSD	0	20.0	23.9	119.5				, 5120, 4976,
							BS	0	20.0	22.3	111.5				, , 5120,
						BSD	0	20.0	23.3	116.5				, , 5120,	
1,3-DICHLOROBENZEN E 8020 ug/Kg	< 1	4363	MS	17.8	19.7	10.13	MS	<1.0	20.0	17.8	86.5				4976, 4976, 4976,
	< 1	4363					MSD	<1.0	20.0	19.7	96.0				5120, , 4976,
			BS	26.1	27.3	4.49	BS	0	20.0	26.1	130.5				, 4976, 4976,
			BS	23.3	23.9	2.54	BSD	0	20.0	27.3	136.5				, 5120, 4976,
							BS	0	20.0	23.3	116.5				, , 5120,
						BSD	0	20.0	23.9	119.5				, , 5120,	

JAMES H. CARR & ASSOCIATES, INC.

Environmental Services

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 02/01/95

QA/QC for SAMPLE Nos: 4362, 4363, 4364, 4365, 4366, 4367, 4368, 4369,

Page 6

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.	
1,4-DICHLOROBENZEN	< 1	4363	MS	13.9	15.5	10.88	MS	<1.0	20.0	13.9	67.0			4976, 4976, 4976,
E	< 1	4363					MSD	<1.0	20.0	15.5	75.0			5120, , 4976,
8020			BS	24.2	24.6	1.64	BS	0	20.0	24.2	121.0			, 4976, 4976,
ug/Kg			BS	23.1	23.8	2.99	BSD	0	20.0	24.6	123.0			, 5120, 4976,
							BS	0	20.0	23.1	115.5			, , 5120,
							BSD	0	20.0	23.8	119.0			, , 5120,
SURROGATE		4363					MS	0	30.0	21.0	70.0			, , 4976,
BROMOFLUOROBENZENE		4363					MSD	0	30.0	22.4	74.7			, , 4976,
8020							B	0	30.0	26.1	87.0			, , 4976,
% Recovery							BS	0	30.0	33.6	112.0			, , 4976,
							BSD	0	30.0	33.5	111.7			, , 4976,
							B	0	30.0	26.1	87.0			, , 5120,
							BS	0	30.0	33.1	110.3			, , 5120,
							BSD	0	30.0	33.7	112.3			, , 5120,
SURROGATE aaa-TRIF		4363					MS	0	30.0	25.1	83.7			, , 4976,
LUOROTOLUENE		4363					MSD	0	30.0	26.7	89.0			, , 4976,
8020							B	0	30.0	29.7	99.0			, , 4976,
% Recovery							BS	0	30.0	34.5	115.0			, , 4976,
							BSD	0	30.0	34.0	113.3			, , 4976,
							B	0	30.0	25.8	86.0			, , 5120,
							BS	0	30.0	32.9	109.7			, , 5120,
							BSD	0	30.0	33.2	110.7			, , 5120,

JAMES 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. Mike McRae

REPORT DATE: 05/16/95
PROJECT NAME- Ft. Stewart 4/7

SAMPLE ID- #220-T1-GW
LOCATION- FT. Stewart
SAMPLE NUMBER- 5952
SAMPLE MATRIX- GROUNDWATER

DATE SAMPLED- 04/05/95
TIME SAMPLED- 1750
DATE RECEIVED- 04/07/95

TIME RECEIVED- 1045
DELIVERED BY- Greyhound
RECEIVED BY- DH
SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
VOLATILE ORGANIC COMPOUNDS				04/11/95	8020	
BENZENE	< 100 ug/L	100				100
TOLUENE	< 100 ug/L	100				100
CHLOROBENZENE	< 100 ug/L	100				100
M,P-XYLENES	< 200 ug/L	200				200
O-XYLENES	< 100 ug/L	100				100
ETHYL BENZENE	< 100 ug/L	100				100
1,2-DICHLOROBENZENE	< 100 ug/L	100				100
1,3-DICHLOROBENZENE	< 100 ug/L	100				100
1,4-DICHLOROBENZENE	< 100 ug/L	100				100
SURROGATE BROMOFLUOROBENZENE	74 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	89 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				
POLYNUCLEAR AROMATIC HYDROCARB				04/10/95	04/18/95 8100	
NAPHTHALENE	< 100. ug/L	100.				10
ACENAPHTHYLENE	< 100. ug/L	100.				10
ACENAPHTHENE	< 100. ug/L	100.				10
FLUORENE	< 100. ug/L	100.				10
PHENANTHRENE	< 100. ug/L	100.				10
ANTHRACENE	< 100. ug/L	100.				10
FLUORANTHENE	< 100. ug/L	100.				10
PYRENE	< 100. ug/L	100.				10
BENZO(A)ANTHRACENE	< 100. ug/L	100.				10
CHRYSENE	< 100. ug/L	100.				10
BENZO(B)FLUORANTHENE	< 100. ug/L	100.				10

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CONTINUATION OF DATA FOR SAMPLE NUMBER 5952

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZO(K)FLUORANTHENE	< 100. ug/L	100.				10
BENZO(A)PYRENE	< 100. ug/L	100.				10
INDENO(1,2,3-CD)PYRENE	< 100. ug/L	100.				10
DIBENZ(A,H)ANTHRACENE	< 100. ug/L	100.				10
BENZO(G,H,I)PERYLENE	< 100. ug/L	100.				10
SURROGATE 2-FLUOROBIPHENYL	MASKED % Recovery					
SURROGATE O-TERPHENYL	MASKED % Recovery					

SAMPLE DILUTED DUE TO SUSPECTED MATRIX INTERFERENCE

Sample contains high conc. of organics-8100 surrogates masked by sample components.

SAMPLE ID- Trip Blank

TIME RECEIVED- 1045

LOCATION- FT. Stewart

DATE SAMPLED- 04/05/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 5953

TIME SAMPLED- NA

RECEIVED BY- DH

SAMPLE MATRIX- GROUNDWATER

DATE RECEIVED- 04/07/95

SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
----------	--------------	------------	---------------	---------------	--------	-------------

VOLATILE ORGANIC COMPOUNDS

04/11/95 8020

BENZENE	< 1 ug/L	1				
TOLUENE	1.8 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	93 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	118 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				

SCDHEC Laboratory ID 48111

LABORATORY DIRECTOR

James H. Carr

CONTINUATION OF DATA FOR SAMPLE NUMBER 5952

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
BENZO(K)FLUORANTHENE	< 100. ug/L	100.				10
BENZO(A)PYRENE	< 100. ug/L	100.				10
INDENO(1,2,3-CD)PYRENE	< 100. ug/L	100.				10
DIBENZ(A,H)ANTHRACENE	< 100. ug/L	100.				10
BENZO(G,H,I)PERYLENE	< 100. ug/L	100.				10
SURROGATE 2-FLUOROBIPHENYL	MASKED % Recovery					
SURROGATE O-TERPHENYL	MASKED % Recovery					

SAMPLE DILUTED DUE TO SUSPECTED MATRIX INTERFERENCE

Sample contains high conc. of organics-8100 surrogates masked by sample components.

SAMPLE ID- Trip Blank

TIME RECEIVED- 1045

LOCATION- FT. Stewart

DATE SAMPLED- 04/05/95

DELIVERED BY- Greyhound

SAMPLE NUMBER- 5953

TIME SAMPLED- NA

RECEIVED BY- DR

SAMPLE MATRIX- GROUNDWATER

DATE RECEIVED- 04/07/95

SAMPLER- Lamar Kennedy

ANALYSIS	RESULT UNITS	DET. LIMIT	DATE PREPARED	DATE ANALYZED	METHOD	DIL. FACTOR
----------	--------------	------------	---------------	---------------	--------	-------------

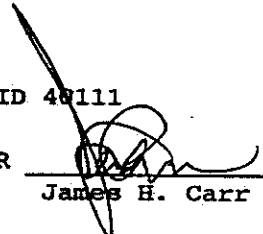
VOLATILE ORGANIC COMPOUNDS

04/11/95 8020

BENZENE	< 1 ug/L	1				
TOLUENE	1.8 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	93 % Recovery					
SURROGATE aaa-TRIFLUOROTOLUENE	118 % Recovery					
MTBE	. ug/L	.				
DIPE	. ug/L	.				

SCDHEC Laboratory ID 48111

LABORATORY DIRECTOR


James H. Carr

421, 6421, 6421,
6421,

[illegible]

Analysis	Precision Data						Accuracy Data			Ref. Sample Data				Analy. Batch Number		
	Blank Conc.	Sample Number	Samp Type	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								B	0	60.0	66.3	110.5				6421
LUOROTOLUENE								BS	0	60.0	68.3	113.8				6421
8020								BSD	0	60.0	62.6	104.3				6421
% Recovery																
NAPHTHALENE	< 50		BS	48.9	50.4	3.02	BS	0	50.0	48.9	97.8					7007, 7007
8100 ug/L							BSD	0	50.0	50.4	100.8					7007
ACENAPHTHYLENE	< 50		BS	53.5	56.0	4.57	BS	0	50.0	53.5	107.0					7007, 7007
8100 ug/L							BSD	0	50.0	56.0	112.0					7007
ACENAPHTHENE	< 50		BS	51.8	54.5	5.08	BS	0	50.0	51.8	103.6					7007, 7007
8100 ug/L							BSD	0	50.0	54.5	109.0					7007
FLUORENE	< 50		BS	54.6	57.4	5.00	BS	0	50.0	54.6	109.2					7007, 7007
8100 ug/L							BSD	0	50.0	57.4	114.8					7007

				Precision Data			Accuracy Data			Ref. Sample Data						
Analysis	Blank Conc.	Sample Number	Sample Type	Rep A	Rep B	RPD %	Samp Type	Raw Conc.	Spk Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
PHENANTHRENE 8100 ug/L	< 50	-----	BS	63.3	66.1	4.33	BS	0	50.0	63.3	126.6	-----	-----	-----	-----	7007, 7007, 7007, , 7007,
	-----	-----	-----	-----	-----	-----	BSD	0	50.0	66.1	132.2	-----	-----	-----	-----	-----
ANTHRACENE 8100 ug/L	< 50	-----	BS	50.7	51.9	2.34	BS	0	50.0	50.7	101.4	-----	-----	-----	-----	7007, 7007, 7007, , 7007,
	-----	-----	-----	-----	-----	-----	BSD	0	50.0	51.9	103.8	-----	-----	-----	-----	-----
FLUORANTHENE 8100 ug/L	< 50	-----	BS	62.8	65.1	3.60	BS	0	50.0	62.8	125.6	-----	-----	-----	-----	7007, 7007, 7007, , 7007,
	-----	-----	-----	-----	-----	-----	BSD	0	50.0	65.1	130.2	-----	-----	-----	-----	-----
PYRENE 8100 ug/L	< 50	-----	BS	62.4	64.4	3.15	BS	0	50.0	62.4	124.8	-----	-----	-----	-----	7007, 7007, 7007, , 7007,
	-----	-----	-----	-----	-----	-----	BSD	0	50.0	64.4	128.8	-----	-----	-----	-----	-----
BENZO(A)ANTHRACENE 8100 ug/L	< 50	-----	BS	61.8	63.8	3.18	BS	0	50.0	61.8	123.6	-----	-----	-----	-----	7007, 7007, 7007, , 7007,
	-----	-----	-----	-----	-----	-----	BSD	0	50.0	63.8	127.6	-----	-----	-----	-----	-----

				Precision Data			Accuracy Data			Ref. Sample Data						
Analysis	Blank Conc.	Sample Number	Sample Type	Rep	Rep	RPD	Samp Type	Raw Spk Conc.	Add Conc.	Observed Conc.	Rec. %	Sample ID	Target Conc.	Found Conc.	Rec. %	Analy. Batch Number
				A	B	%										
CHRYSENE	< 50	BS		64.8	63.8	1.56	BS	0	50.0	61.8	123.6					7007, 7007, 7007,
8100 ug/L							BSD	0	50.0	63.8	127.6					, 7007,
BENZO(B)FLUORANTHENE	< 50	BS		63.0	65.4	3.74	BS	0	50.0	53.0	126.0					7007, 7007, 7007,
NE							BSD	0	50.0	55.4	130.8					, 7007,
8100 ug/L																
BENZO(K)FLUORANTHENE	< 50	BS		63.0	65.4	3.74	BS	0	50.0	63.0	126.0					7007, 7007, 7007,
NE							BSD	0	50.0	65.4	130.8					, 7007,
8100 ug/L																
BENZO(A)PYRENE	< 50	BS		61.5	62.9	2.25	BS	0	50.0	61.5	123.0					7007, 7007, 7007,
8100 ug/L							BSD	0	50.0	62.9	125.8					, 7007,
INDENO(1,2,3-CD)PYRENE	< 50	BS		60.8	63.5	4.34	BS	0	50.0	60.8	121.6					7007, 7007, 7007,
RENE							BSD	0	50.0	63.5	127.0					, 7007,
8100 ug/L																

QC REPORT FOR ANDERSON COLUMBIA ENVIRON., INC 05/16/95

QA/QC for SAMPLE Nos: 5952, 5953,

Page 6

[illegible]

Box 1482

Page__of__

[illegible]



ANDERSON COLUMBIA
ENVIRONMENTAL, INC.

P.O. Box 1386
Lake City, Florida 32056-1386
(904) 755-1196 (904) 755-5430 FAX

CERTIFICATE OF TANK DESTRUCTION

THIS CERTIFICATE IS ISSUED BY ANDERSON COLUMBIA ENVIRONMENTAL, INC. TO:

Corp OF Eng.

FOR THE DOCUMENTATION OF TANK DESTRUCTION AS IDENTIFIED BELOW:

FT. STEWART GA

UST SITE NAME

Bldg 450A Tank 217

TANK TYPE:

 ABOVE GROUND STORAGE

☒ UNDERGROUND STORAGE

TANK CAPACITY/SIZE: 2500

TANK REGISTRATION NO. (IF KNOWN):

TANK WAS:

- CLEANED AND DECONTAMINATED ON (DATE): 2-21-95
- REMOVED FROM SITE ON (DATE): 2-22-95
- RECEIVED BY McMullen
- FOR RECYCLING OR ULTIMATE DISPOSAL ON (DATE): 2-22-95

McMullen
SIGNATURE OF RECEIVING FACILITY'S REPRESENTATIVE

DATE

2-22-95

PROCEDURES FOR TANK DESTRUCTION WERE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND GOVERNMENT REQUIREMENTS.

McMullen

2-22-95

ANDERSON COLUMBIA ENVIRONMENTAL, INC.

ACE JOB NUMBER

8075



ANDERSON COLUMBIA
ENVIRONMENTAL, INC.

P.O. Box 1386
Lake City, Florida 32056-1386
(904) 755-1196 (904) 755-5430 FAX

CERTIFICATE OF TANK DESTRUCTION

THIS CERTIFICATE IS ISSUED BY ANDERSON COLUMBIA ENVIRONMENTAL, INC. TO:

Farrell's metal Recycling

FOR THE DOCUMENTATION OF TANK DESTRUCTION AS IDENTIFIED BELOW:

FA Stewart - Site # 220
UST SITE NAME

TANK TYPE: ABOVE GROUND STORAGE X UNDERGROUND STORAGE

TANK CAPACITY/SIZE: 12000 TANK REGISTRATION NO. (IF KNOWN):

TANK WAS:

- CLEANED AND DECONTAMINATED ON (DATE): 04-19-95
- REMOVED FROM SITE ON (DATE): 04-21-95
- RECEIVED BY Farrell's metal Recycling
- FOR RECYCLING OR ULTIMATE DISPOSAL ON (DATE):

Merleida J. J. J. 4.21.95
SIGNATURE OF RECEIVING FACILITY'S REPRESENTATIVE DATE

PROCEDURES FOR TANK DESTRUCTION WERE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND GOVERNMENT REQUIREMENTS.

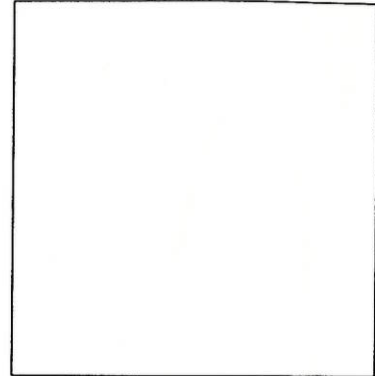
[Signature]
ANDERSON COLUMBIA ENVIRONMENTAL, INC.

8075
ACE JOB NUMBER

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

state use only

Part I: Facility Data



FACILITY ID NUMBER: 9-089060

OWNER'S ID: 197

INITIAL DATE RECEIVED: 12-18-1992

DATE AMENDED LAST:

NOTIFICATION TYPE: ☐ New ☒ Amended ☒ Closure

5 OF 6
TANKS
CLOSED

OWNERSHIP OF TANK(S): NUMBER OF TANK(S): 6

Name : US ARMY/FT STEWART
Mailing Address: HQ 24TH INF DIV (M), AF 29
City : FT STEWART State : Zip Code: 31314-5000
Phone: (912) 767-1071 County: 217

LOCATION OF TANK(S):

Name : FT STEWART/FAC 4502
Street Address: FAC 4502
City : FT STEWART State : Zip Code : 31314-5000
County: LIBERTY Latitude: Longitude: : :
Phone : (912) 767-1071

ACE used wrong
Tank #5
ie. 220 waste oil
221 anti-freeze
217 another

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	9-089060	9-089060	9-089060	9-089060	9-089060
TANK ID	216	217	218-6.K.	219	220
Status of Tank					
Currently In Use	X		X	X	
Temp. Out of Use					
Perm. Out of Use		X	X	X	X
Date of Installation	01-01-1985	01-01-1985	01-01-1985	01-01-1985	01-01-1985
Age	10	10	10	10	10
Est. Total Capacity	1,000	1,000	1,000	1,000	5,000
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	X	X	X	X	X
Poly. Tank Jacket					
Concrete					
Excavation Liner					
Unknown					
Other, explanation					
Tank Repaired					
Piping Material					
Bare Steel					
Galvanized Steel	X	X	X	X	X
Fiberglass					
Copper					
Cathodically Protected					
Double Walled	X	X	X	X	X
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					
Oil	X	X	X	X	X
Other					
Unknown					
Other, explanation					

STATE OF GEORGIA
NOTIFICATION DATA FOR UNDERGROUND STORAGE TANK

Part II: Tank Data

FACILITY ID	9-089060	9-089060	9-089060	9-089060	9-089060
TANK ID	216	217	218	219	220
Distance Stored in Tank					
Hazardous Substance					
CERCLA Name					
CAS Number					
Mixture					
Mixture, Specification					
History of Use/Change Service	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
Est. Date Last Used		08-94	04-95	04-95	08-94
Est. Date Closed					
Removed from Ground		02-21-95	06-12-95	06-12-95	04-19-95
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					
Leak Detection	Tank Piping	Tank Piping	Tank Piping	Tank Piping	Tank Piping
Tank Tightness Testing					
Inventory Controls					
SIR					
Automatic Tank Gauging					
Inter. Mon./Double Wall					
Groundwater Monitoring					
Manual Tank Gauging					
Vapor Monitoring					
Inter. Mon./Sec. Cont.					
Auto. Line Leak Detect.					
Line Tightness Testing					
Other Method					
Other Description					
Spill and Overfill					
Date Overfill Device					
Date Spill Device					
Installer Certification					
Name					
Position					
Company					
Date					

Georgia Department of Natural Resources

REPLY TO:

205 Butler Street, S.E., Floyd Towers East, Atlanta, Georgia 30334

Joe D. Tesser, Commissioner

Harold F. Rebeis, Director

Environmental Protection Division

UNDERGROUND STORAGE TANK MANAGEMENT PROGRAM

4244 INTERNATIONAL PARKWAY

SUITE 100

ATLANTA, GEORGIA 30354

(404)362-2687 FAX (404)362-2654

NOTICE DATE: Oct. 26, 94

GEORGIA UNDERGROUND STORAGE TANK (GUST) CLOSURE ACTIVITY FORM

For underground storage tanks (USTs) which will be permanently closed in-place or by removal, this form must be completed and submitted to the "Reply to:" address above at least 30 days prior to proposed closure. Modifications of this form will not be accepted. USTs must be closed within 90 days after proposed closure date as approved by EPD. Otherwise, a new Closure Activity Form must be submitted.

I. FACILITY INFORMATION:

Facility Name: Fort Stewart

Contact Person: John Spears

Telephone: (912) 767-1071

Address (location; P.O. Box not acceptable): Directorate of Public Works (bldg 1139)

City: Fort Stewart

County: Liberty

Zip Code: 31314-5000

Facility ID (if known): 9089060

Date Tanks Last Used: AUG. 94

II. UST INFORMATION: ("Contents" refer to last product contained in UST system)

Tank ID: 217 Tank Size (gal): 1,000 Contents: Waste Oil

Tank ID: 220 Tank Size (gal): 5,000 Contents: Antifreeze

Tank ID: _____ Tank Size (gal): _____ Contents: _____

Tank ID: _____ Tank Size (gal): _____ Contents: _____

Tank ID: _____ Tank Size (gal): _____ Contents: _____

III. UST OWNER: (Complete this section even if it is the same as Section I)

UST Owner Name: Department of Army

Contact Person: Mr. Thomas D. Houston

Telephone: (912) 767-2010

Mailing Address: HQ, 24th Infantry Div (M) & Fort Stewart

City: Fort Stewart

State: GA

Zip Code: 31314-5000

IV. CONTRACTOR: (Company secured to actually close UST system)

Company or Organization Name: Anderson Columbia Environmental, Inc.

Contractor Representative Name: Mr. Mike McRae

Telephone: (904) 755-1196

Address: P.O. Box 1386

City: Lake City

State: FLA

Zip Code: 32056

V. **CLOSURE NOTIFICATION INFORMATION:**

- A. We request approval for the following work at this site. Work will begin not earlier than 30 days after date of this notice. The owner **MUST** notify the USTMP of changes to the work date(s)!

Tank #	Remove		In-place Closure*		Replace		Upgrade**	
	Tank	Piping	Tank	Piping	Tank	Piping	Tank	Piping
<u>217</u>	<u>X</u>	<u>X</u>	_____	_____	_____	_____	_____	_____
<u>220</u>	<u>X</u>	<u>X</u>	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____
Work Date	_____	_____	_____	_____	_____	_____	_____	_____

- * In-place closure requires Fire Safety Officer approval. See V.B. (below).
 ** Upgrade is the addition of such compliance items as cathodic protection, overflow/over spill protection, tank lining, monitoring systems, etc., without removing tanks or piping.

- B. The local Fire Safety Officer must prepare this section, signifying approval of in-place closure.

Name: _____ Signature: _____

Jurisdiction: _____ Date: _____

Comment: _____

- C. Request waiver of 30-day notification? ☒ Yes ☐ No

Why? International crisis have caused extreme difficulty in scheduling contract work.

- D. Comments: Work may not proceed before 30 to 45 days, but if circumstances present the opportunity to occupy work areas earlier it will be extremely beneficial.

VI. **PARTY TO WHOM COPY OF THIS FORM SHOULD BE RETURNED AFTER USTMP ACTION:**

After approval by USTMP, please return copy of this notice to:

☒ the owner (Section III) or ☐ the contractor (Section IV).

VII. **UST OWNER CERTIFICATION:** (Must be signed by UST owner or authorized agent)

I certify that the information concerning permanent closure of the UST system referenced on this form is true to the best of my belief and knowledge, and that the requirements of Subpart G of Title 40 CFR Part 280 and the Georgia Environmental Protection Division guidance document entitled "So You Want to Close an UST?" (GUST-9, as revised) will be met. I further certify that I am the UST owner or am duly empowered and authorized to execute this document on behalf of the UST owner.

Name (Print): ROBERT R. MCLAUGHLIN Title: Director, Public Works

Organization Name: Department of Army Telephone: (912) 767-8356

Signature: [Signature] Date: 260994

For USTM Program Use Only FACILITY ID: _____ Date into DB _____ Initials _____

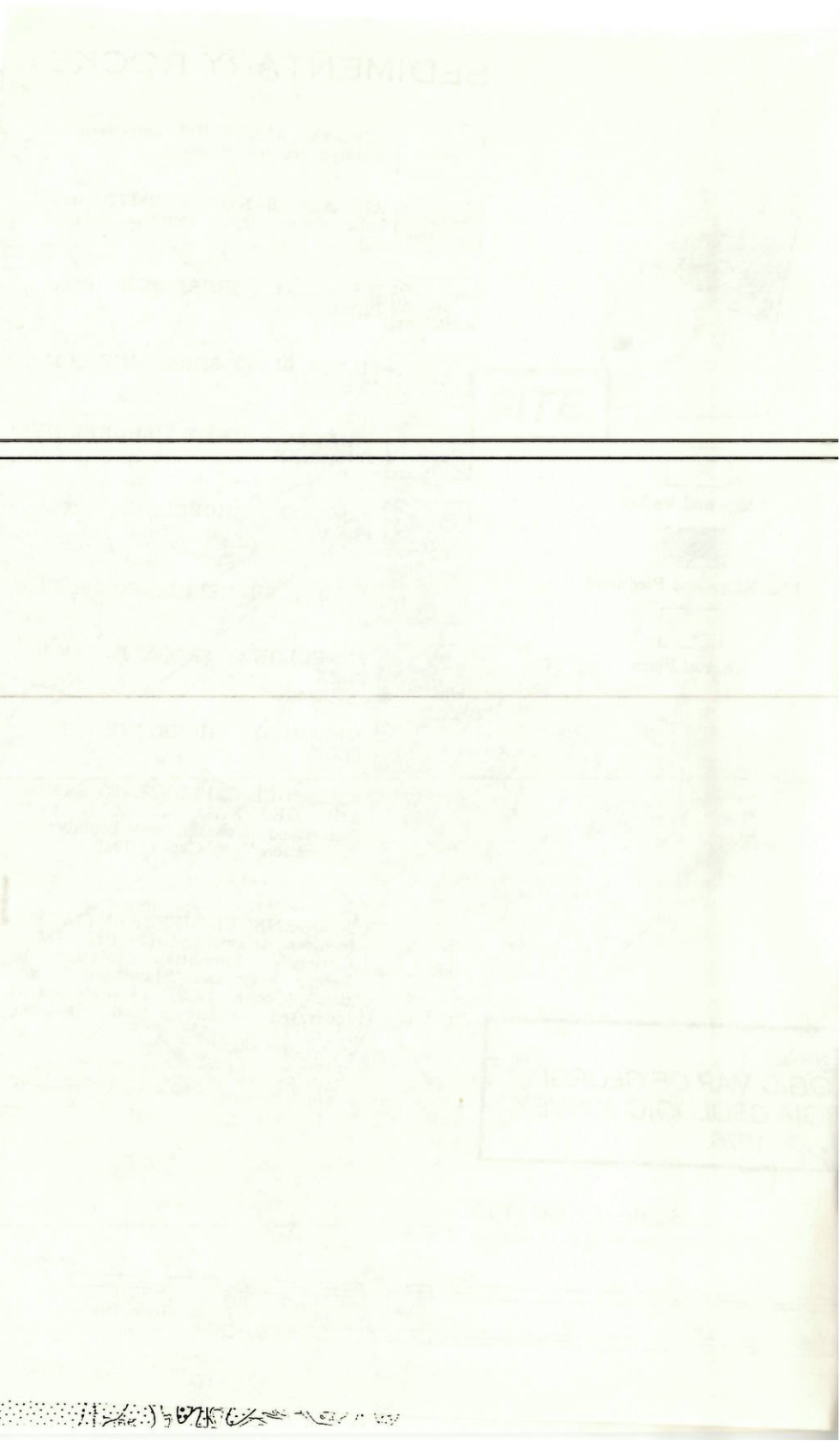
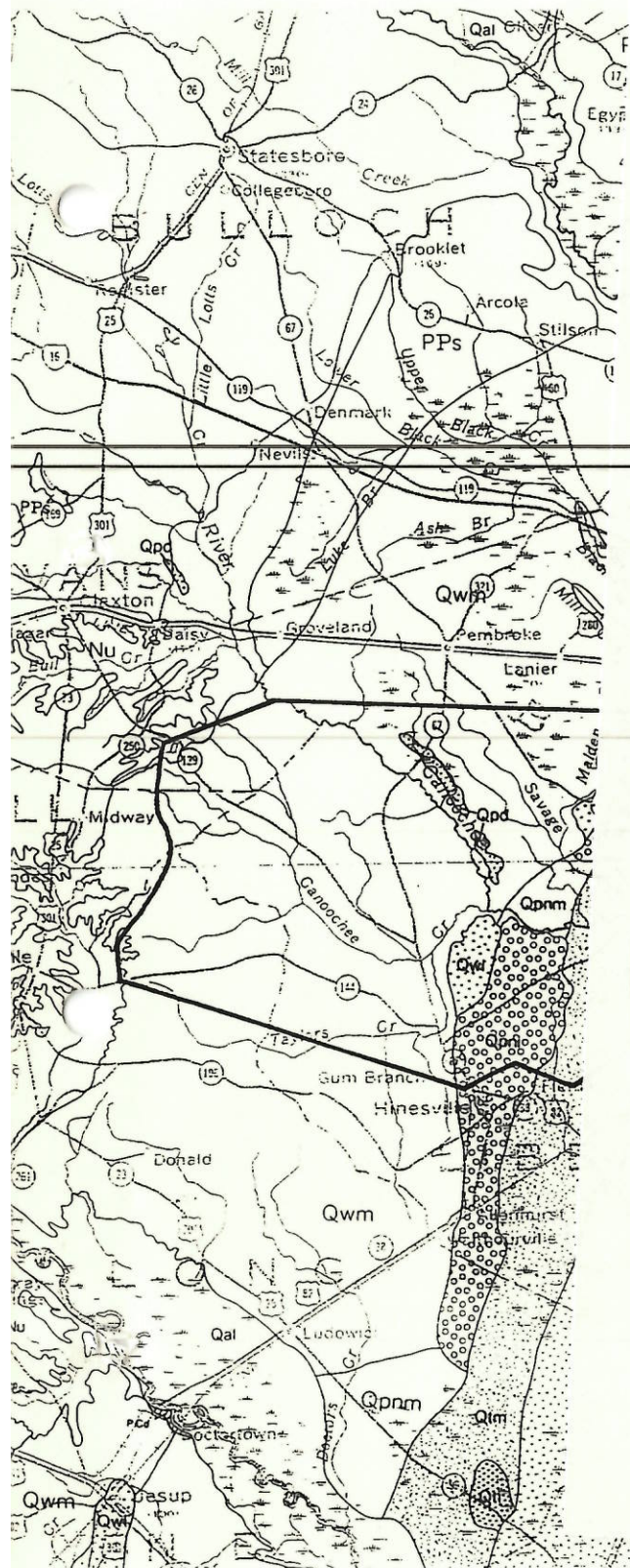
Action _____ Comments _____

☐ No Action _____

☐ Waiver - Yes OK for 11-28-94

☐ Waiver - No _____

Date: 11-21-94 Name: [Signature]



Local Geology and Hydrology

Surface Water

Water-quality data supplied for the Ogeechee River by the USEPA was used to establish background conditions for surface waters in the area. The water is generally soft with a total hardness of 1.4 mg/l and an alkalinity of 14.2 mg/l. The values for the Canoochee River were: hardness of 55 mg/l and alkalinity of 6.4 mg/l. Background values for chlorides, nitrates, and sulfates as indicated in that report were approximately 6.0 mg/l, 0.04 mg/l, and 6.0 mg/l, respectively (G&M, 1993).

Hydrogeologic Setting

Regional Geology

Fort Stewart lies within the Southern Atlantic Lower Coastal Plain (Figure 3-1), with most surface elevations on the flat forested lands of the reservation ranging from 6 to 100 feet above mean sea level (msl). In the northwestern portion of the installation, the topographic relief is greater with elevations ranging from 100 to 182 feet msl. The Canoochee River bisects the installation providing some topographic relief. About 60 percent of the eastern

half of the installation is comprised of marshes and swamps with rolling hills formed by erosion. A small portion of the extreme western margin drains into the Altamaha River System by way of Beards Creek (G&M, 1993).

The principal surface waters on Fort Stewart drain into the Canoochee River which in turn joins the Ogeechee River (part of the northeastern boundary of the reservation). A small portion of the extreme western margin flows into the Altamaha River System via Beards Creek. Some streams along the eastern margin drain into the Ogeechee River while others along the southeastern margin flow southward to the Ochopee, Jerico, and North Newport Rivers (G&M, 1993).

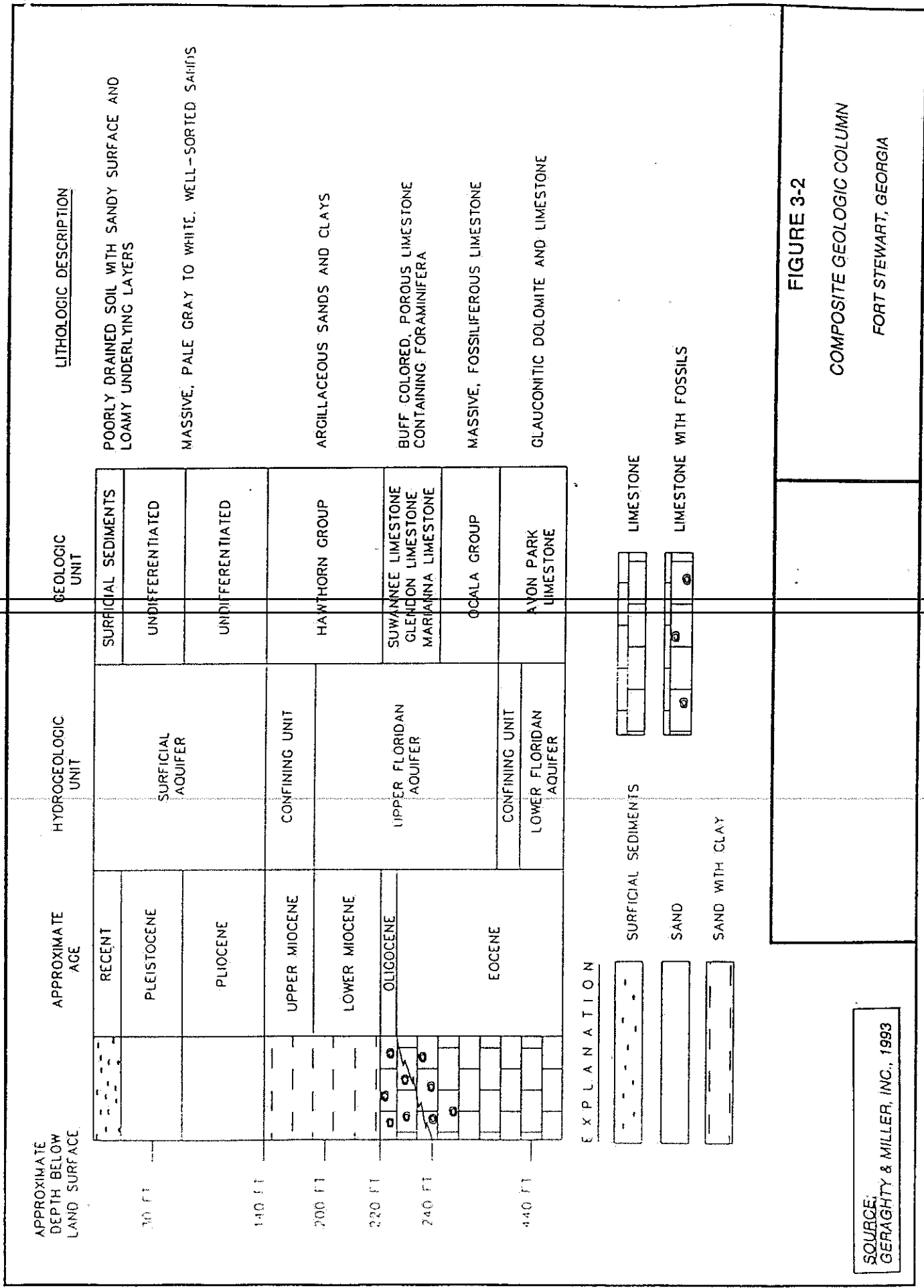
The lower Floridan Aquifer consists of Middle Eocene and older units. The estimated depth to the top of the aquifer is 450 feet in the Fort Stewart area (U.S. Army Environmental Hygiene Agency 1988). Usually the uppermost portion of the lower Floridan Aquifer is the most permeable; however, ground-water produced from this aquifer is brackish in this area (G&M, 1993).

The lower Coastal Plain region of Georgia is underlain by a moderately thick wedge of unconsolidated and semi-consolidated sediments ranging in age from Recent to Cretaceous. Generally, the sediments thicken and dip eastward toward the coast. The underlying Cenozoic Coastal Plain sediments are dominated by clastics (sand, silt, and clay) to the west, near the fall line, and become more carbonaceous (limestone and dolomite) near the coast (G&M, 1993).

Ground-water in the study area occurs within two major water-bearing zones, the surficial aquifer and the Floridan aquifer. Figure 3-2 depicts the stratigraphic relationships of the aquifer systems near Fort Stewart.

Surficial Aquifer

The surficial aquifer occurs under water-table conditions (unconfined) and is localized and discontinuous in distribution, ranging in depth from 2 to 10 feet below land surface to



approximately 140 feet below land surface. Included in this aquifer are undifferentiated deposits of Pliocene to recent age (G&M, 1993).

The surficial sediments consist of poorly drained soils that have a sandy surface layer over loamy underlying layers. The hydraulic conductivity of the surface soils have been reported to range from 8.3×10^{-5} to 8.3×10^{-3} feet per second, with most values in the lower ranges. Beneath these soils lie the loose, generally structureless and massive, pale gray, buff and white, undifferentiated, well sorted, fine to medium grained Pliocene/Pleistocene surficial sands that are up to 25 feet thick. The base of the aquifer sediments are undifferentiated, Miocene to Pleistocene paludal and lacustrine deposits composed of a higher clay and silt content than the surficial sediments (G&M, 1993). Holocene age deposits occur adjacent to active streams and rivers throughout Fort Stewart.

~~Ground water produced from the surficial aquifer is used primarily for domestic lawn and~~
irrigation throughout most of the coastal areas. Wells screened in the surficial aquifer will yield from about 2 to 180 gallons per minute. The estimated transmissivity ranges from about 14 to 6,700 ft²/day. Tidal influences in the surficial aquifer generally occur east of the 20 foot topographic contour line; therefore, any fluctuations in the water table at Fort Stewart due to tidal influences would be minimal if any, occurring only in the eastern wetlands (G&M, 1993).

Floridan Aquifer

The principal regional and continuous aquifer in the area of Fort Stewart, Georgia is known as the Floridan aquifer. The Floridan aquifer, composed of argillaceous sands and clays at the top with massive limestones at the base, is divided into the upper and lower Floridan aquifers (G&M, 1993).

The geologic formations which constitute the upper Floridan aquifer are the lower Hawthorne Group, the Swannee Limestone (where present), the Glendon Limestone (where present), the Marianna Limestone (where present), and the Ocala Group. The thickness of the upper Floridan aquifer ranges from less than 200 feet to 260 feet at Fort Stewart.
