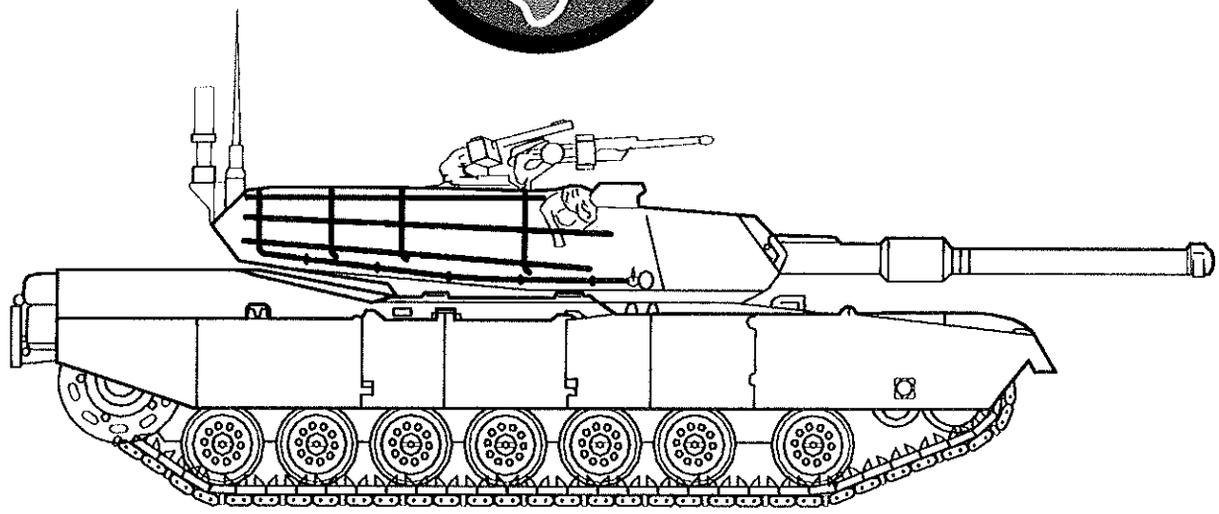
Corrected Final
Phase I RCRA Facility Investigation Report
For 24 Solid Waste Management Units
At Fort Stewart, Georgia

Volume I of III



May 1996

Job No. 87528.000

Prepared For

US Army Corps of Engineers
Savannah District

Prepared By

RUST ENVIRONMENT & INFRASTRUCTURE

DOCUMENT 5

CORRECTED FINAL

PHASE I
RCRA FACILITY INVESTIGATION REPORT
FOR 24 SOLID WASTE MANAGEMENT UNITS
AT FORT STEWART, GEORGIA
VOLUME I OF III

Prepared For

UNITED STATES ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT

Contract DACA21-93-D-0029
Delivery Order 0005
Rust Project No. 87528.000
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1.0 INTRODUCTION

This Corrected Final Phase I Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Report for 24 Solid Waste Management Units (SWMUs) provides the results of implementation of the Phase I RFI Work Plan performed at Fort Stewart, Georgia. This Corrected Final Phase I RFI Report has been prepared by RUST Environment and Infrastructure, Inc. (RUST E&I) for the United States Army Corps of Engineers (USACE), Savannah District, Contract No. DACA21-93-D-0029, Delivery No. 0005.

The information provided in this report is based upon data provided by the USACE and Geraghty and Miller, Inc. Environmental Services (G&M). The field activities were completed in accordance with the Corrected Final Phase I RFI Work Plan (April, 1993) prepared by G&M. The Corrected Final Phase I RFI Report has been prepared in accordance with the USACE Scope of Work dated August 17, 1993 and is presented in the same format as the Corrected Final Phase I RFI Work Plan.

Twenty-four (24) SWMUs are discussed in this report. Two (2) SWMUs not included in this report are SWMU8 EOD Area (FST-008) and SWMU13 Fire Training Pit (FST-013) which are being addressed under other contracts.

The G&M field activities included the installation of 30 new ground-water monitoring wells at various SWMUs throughout the installation. During well drilling, G&M collected soil samples for analysis. The USACE completed all other sampling (ground-water, soil, sediment, surface soil, surface water, wastewater and sludge).

The soil samples for the G&M field investigations were analyzed by Savannah Laboratories in Savannah, Georgia and the Quality Assurance (QA) soil samples were analyzed by the USACE South Atlantic Division (SAD) Laboratory in Marietta, Georgia. The soil samples for the USACE field investigations were analyzed by James H. Carr and Associates, Inc.

(Carr Laboratory) in Columbia, South Carolina and International Technology Corporation Analytical Services (IT Laboratory) in Knoxville, Tennessee. The USACE QA samples were also submitted to the SAD Laboratory. All raw data from the laboratories has been included in Volume III, Appendix U of this Corrected Final Phase I RFI Report.

A Quality Control Summary Report (QCSR) and Analytical Package was prepared by G&M for the work completed by G&M in one (1) 3-ring notebook (1994). A QCSR was also prepared by USACE for the work completed by USACE in three (3) 3-ring notebooks (Volumes I, II and III)(1994).

With the exception of the following changes, the sampling program adhered to the approved Corrected Final Phase I RFI Work Plan (1993).

- Two (2) up-gradient surface water samples were collected at SWMU1, instead of the proposed one (1) up-stream and one (1) down-stream samples. The proposed down-gradient surface water sample was mistakenly taken in an up-gradient location.
- Due to drought, one (1) surface soil sample was collected at the Tac-X Landfill SWMU3 in lieu of surface water and leachate samples.
- Based on the field records, soil samples were not collected below six feet below land surface or to the water table in the location chosen for soil boring MW4 at Burn Pit SWMU4B because of sustained OVA readings above the health and safety action levels. This soil boring was abandoned and the monitoring well SWMU4B, MW4(b) was later installed by the USACE.
- Four (4) extra surface soil samples were taken at EOD Area SWMU12.
- One (1) extra surface water sample and one (1) extra QA surface water sample were collected at the Industrial Wastewater Treatment Plant SWMU18.
- No sludge sample was available at the Radiator Shop SWMU24A.
- Five (5) extra ground-water samples and five (5) extra soil samples were collected at the Waste Oil Tanks SWMU25.

- Two (2) extra soil samples and two (2) surface soil samples were collected at the 724th Tanker Purging Station SWMU26.
- Field duplicated soil samples were mistakenly collected and submitted by G&M for laboratory analysis by pH and specific conductance at SWMU2, SWMU4A through 4F, and SWMU14.
- The analytical methods used to analyze the ground-water samples were inadvertently switched by the laboratory from SW-846 Method 8080 to Method 608. During all future sampling and analyses, it will be ensured that only SW-846 methods will be utilized.
- The detection limits for vinyl chloride and toxaphene were inadvertently higher than their MCLs, SMCLs, and/or action levels. During all future sample analyses, it will be ensured that the detection limits for all parameters are less than, or equal to, their MCLs, SMCLs, and/or action levels.

5.0 DISCUSSION OF SOLID WASTE MANAGEMENT UNITS

The following sections present a brief summary of the site description, work completed, site characterization, waste characterization, analytical results, evidence of release and exposure pathways analysis at each of the 24 RFI SWMUs.

5.1 South Central Landfill SWMU1(FST-001)

5.1.1 Site Description

The South Central Landfill is located approximately 0.75 miles northwest of the Fort Stewart Main Cantonment area (Figure 5-1). A detailed map of the South Central Landfill showing topography, borehole/monitoring wells locations, sampling locations and drainage is provided in Figure 5-2. Photographs of the site are shown in Figure 5-3. The South Central Landfill comprises 87 acres bounded on the north by Taylors Creek and on the west and south by Mill Creek, a tributary of Taylors Creek (G&M, 1993). The South Central Landfill has operated since 1940 and continues to be active (G&M, 1993).

From 1940 to 1970, the landfill's eastern section operated as a garbage, paper waste, and construction debris burn pit. Other wastes included wastewater treatment plant sludge, waste air filters from the paint booth in the DOL Allied Trades Shop, sewage treatment plant dewatered sludge, autoclaved infectious wastes bagged in special containers, and incinerator ash. From 1970 to 1982, the trench and fill method was used in the South Central Landfill's eastern area. The trench and fill operation moved from east to west, with previously filled land being restored to forest (G&M, 1993a).

Beginning in the spring of 1982, tumulus refuse disposal operation came into use. This operation has been performed over the western portion of the previous (trench and fill) landfill. Prior to the initiation of disposal in the current landfill, the western most portion of the old (trench and fill) landfill was graded and capped with local clay. The modern landfill is constructed on the clay cap. The active landfill comprises two cells. The eastern cell covers approximately 35 acres. The western cell is about 30 acres (S&W, 1991).

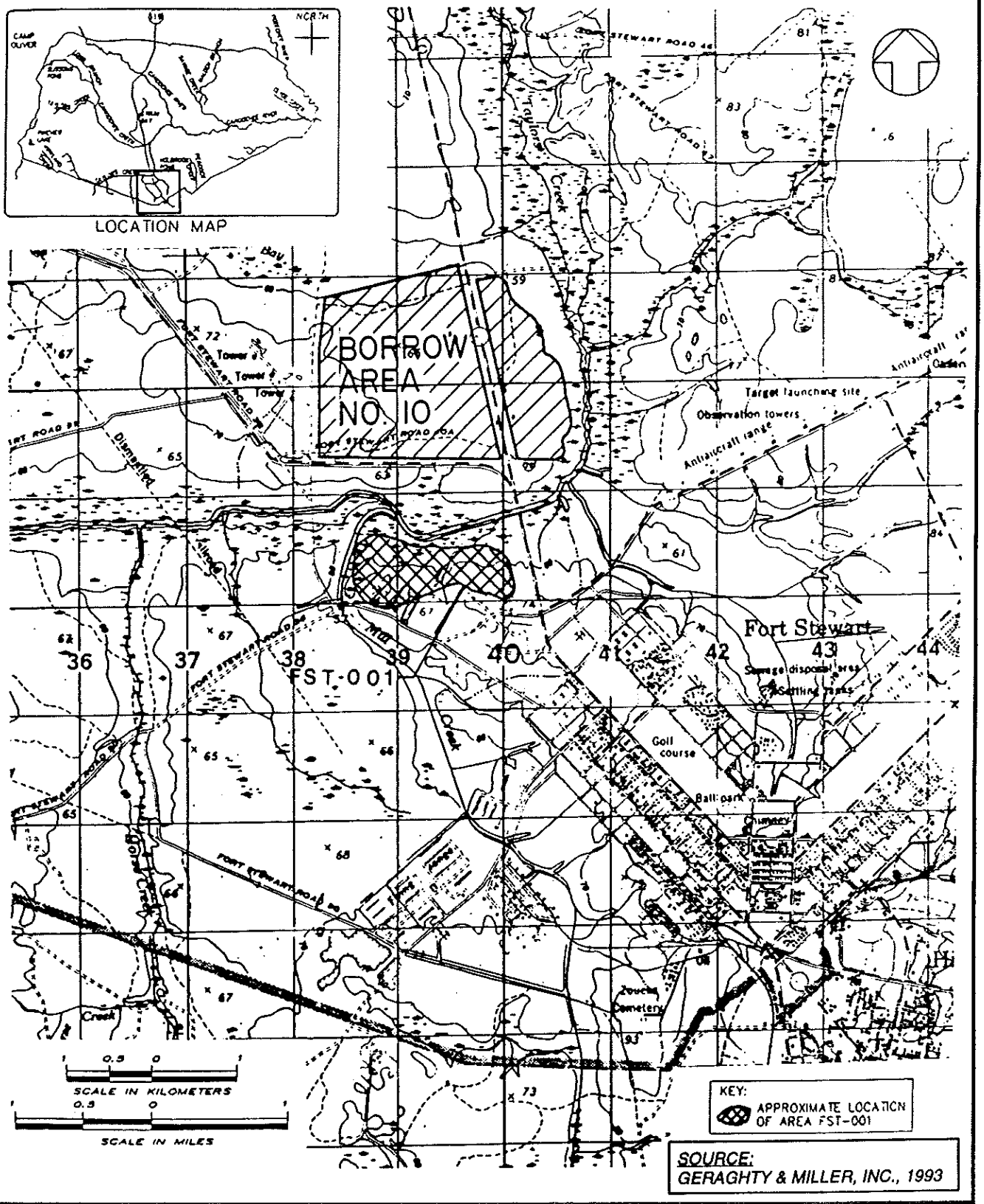

FIGURE 5-1

LOCATION MAP
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000

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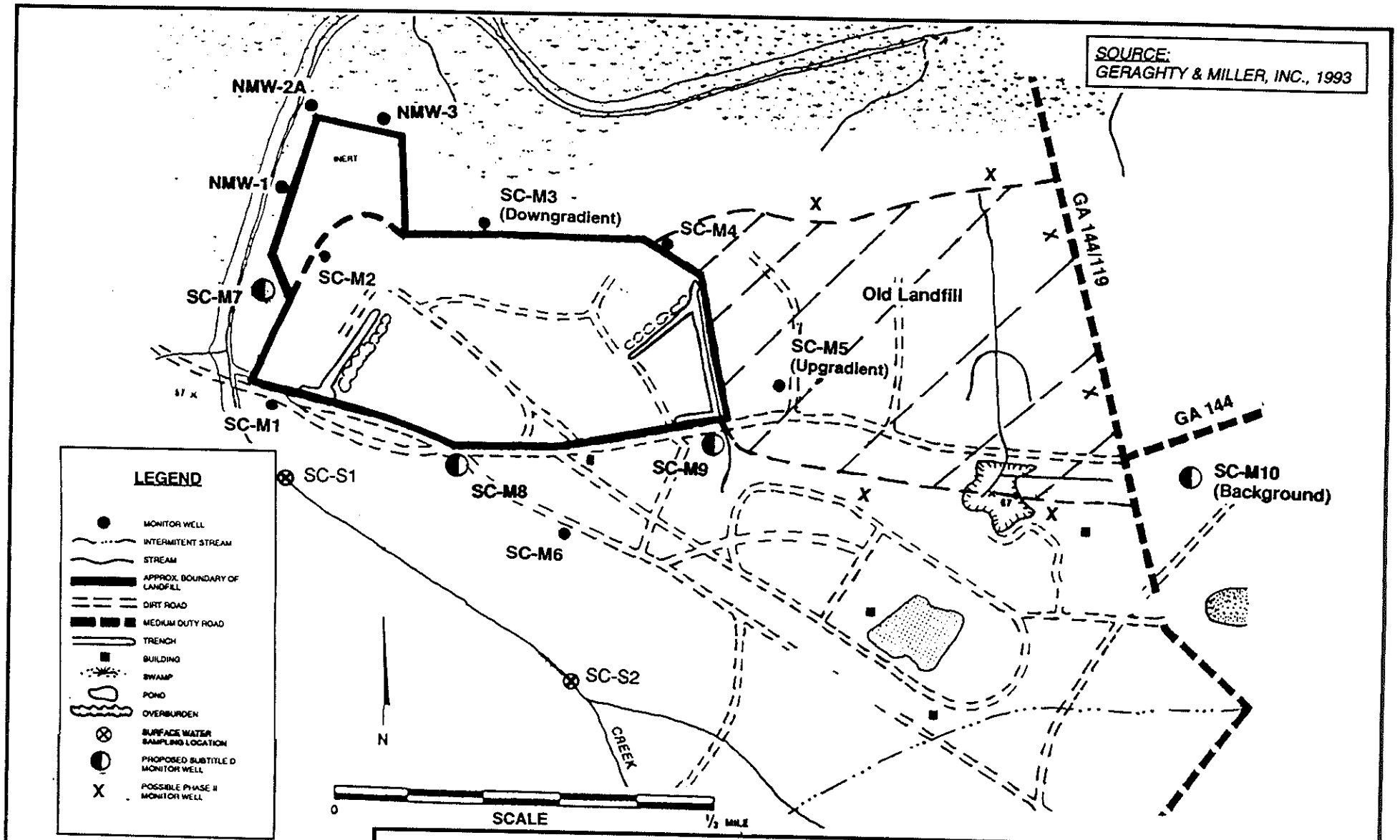

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FIGURE 5-2
MONITORING WELL AND SURFACE WATER LOCATIONS
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000

PHOTO NORTHWARD

PHOTO EASTWARD

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FIGURE 5-3

PHOTOGRAPHS
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000

According to the present landfill supervisor, the landfill is divided into two working areas, an area where dry, construction type material is disposed of and a sanitary landfill area where putresible garbage and properly packaged asbestos is disposed by license (personnel communication, Hodges to RUST, 1993).

During the summer of 1994, the USACE learned some new information regarding the South Central Landfill. After discussions with the landfill's former operator, the USACE learned that an older part of the landfill existed east of the current landfill. The old landfill extended east of the current landfill to Highway 119 and north and south as illustrated in Figure 5-2. Upon learning of this old landfill, the USACE will require four (4) new wells be installed as part of the current Subtitle D landfill permit requirements.

5.1.2 Work Completed

A surface water flow direction map for the South Central Landfill SWMU1(FST-001) was completed. One round of ground-water level data was collected from the existing six monitoring wells. These data were used to prepare a ground-water level elevation map of the site. Geological cross-sections were constructed using lithologic data from site monitoring wells.

Efforts to determine potential ignition sources, which may have been used on-site from 1940 to 1970 and what hazardous waste or hazardous waste constituents were present in landfilled sludge or ash, included a site visit to interview the facility manager. Research has not identified records or knowledge that ignition sources were used or that hazardous waste or hazardous waste constituents were present in landfilled sludge or ash.

Ground-water samples were collected from the six existing monitoring wells. The following laboratory analyses were completed: pH, specific conductance, volatile organic compounds (VOCs), RCRA total metals, pesticides/PCBs, radium -226, and radium -228. Laboratory analytical results are summarized in Table 5-1. Laboratory analytical results for pH and specific conductance were not reported, however, field pH and specific conductance were

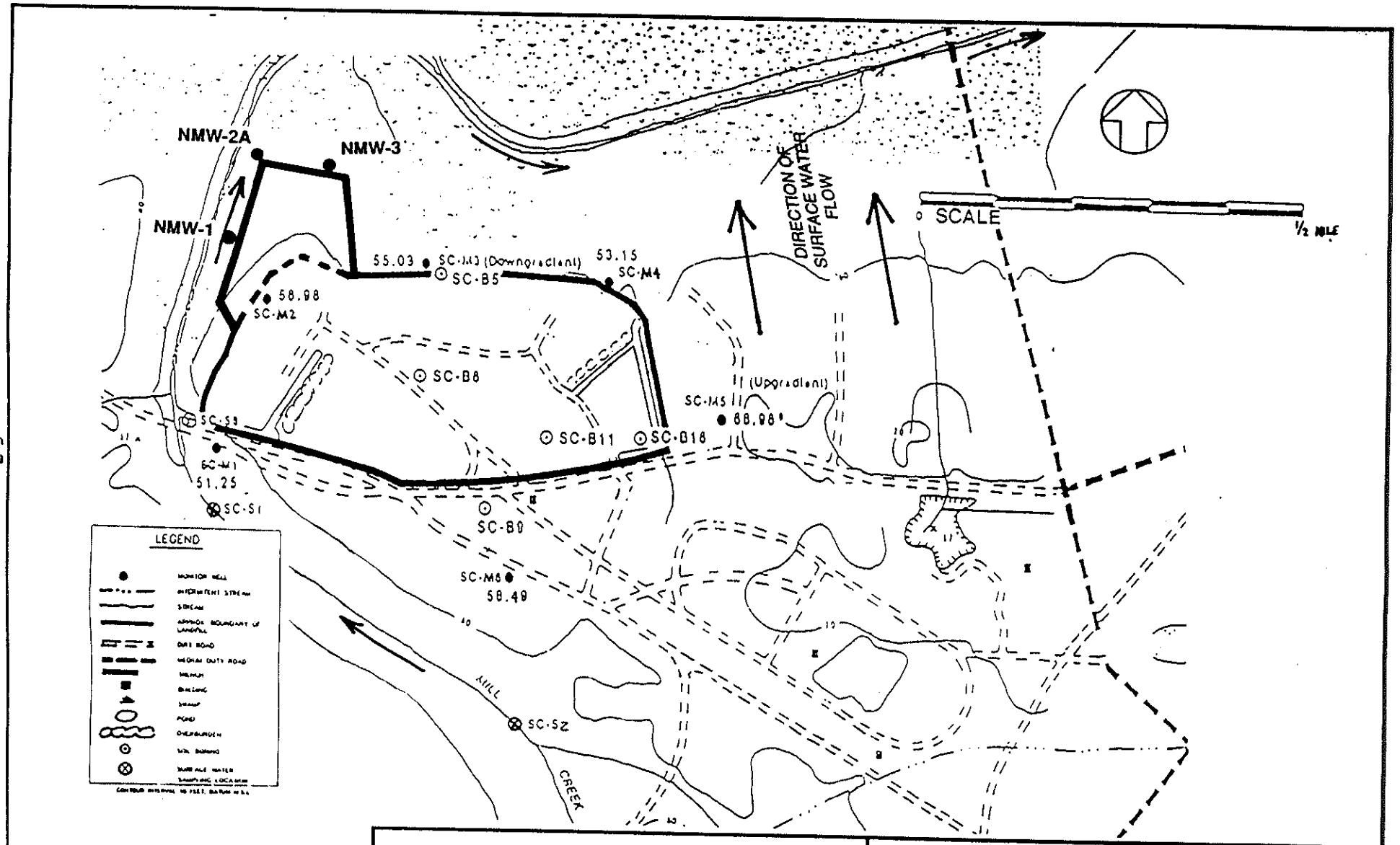
reported in the USACE QCSR (February, 1994) and are summarized in Table 5-1.

Two up-gradient surface water samples were collected from Mill Creek. Laboratory analyses indicated in the Phase I RFI Work Plan (G&M, 1993) were: pH, specific conductance, VOCs, RCRA total metals, pesticides/PCBs, radium-226 and radium-228. Laboratory analytical results for pH and specific conductance were not reported, however, field pH and specific conductance were reported in the USACE QSCR (February, 1994) and are summarized in Table 5-1. An analytical results summary is provided in Section 5.2.5.

The USACE notified RUST E&I in May 1995 that an inert section of the landfill boundary must be incorporated into the site map. In addition, the USACE installed three (3) monitoring wells along the perimeter of the inert area for future ground-water sampling. The monitoring well drilling and construction logs for these three (3) wells are included in Appendix F3.

5.1.3 Site Characterization

The South Central Landfill monitoring well and surface water sampling locations are shown in Figure 5-2. The surface water flow direction, based on topography and adjacent wetlands, generally flows to the north (Figure 5-4). The shallow ground-water flow direction across the site is to the north, northwest and southwest. A generalized ground-water level elevation map is provided as Figure 5-5. The ground-water level elevation data are provided in Appendix F1. The calculated horizontal hydraulic gradient across the site was 0.002 ft/ft (Appendix F2). North-south and east-west oriented geologic cross-sections are shown in Figures 5-6, 5-7 and 5-8. The monitoring well logs and soil boring logs are provided in Appendix F3. Soils reported underlying the site are predominantly sandy and clayey sands. Phase I field Photoionization Detector (PID) measurements were reported in the USACE QCSR (February, 1994) at 3.2 and 3.9 units respectively for monitoring wells SC-M2 and SC-M3. Contaminant distributions are discussed in Section 5.1.5.



SOURCE:
GERAGHTY & MILLER, INC., 1993

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FIGURE 5-4

SURFACE WATER FLOW MAP
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000

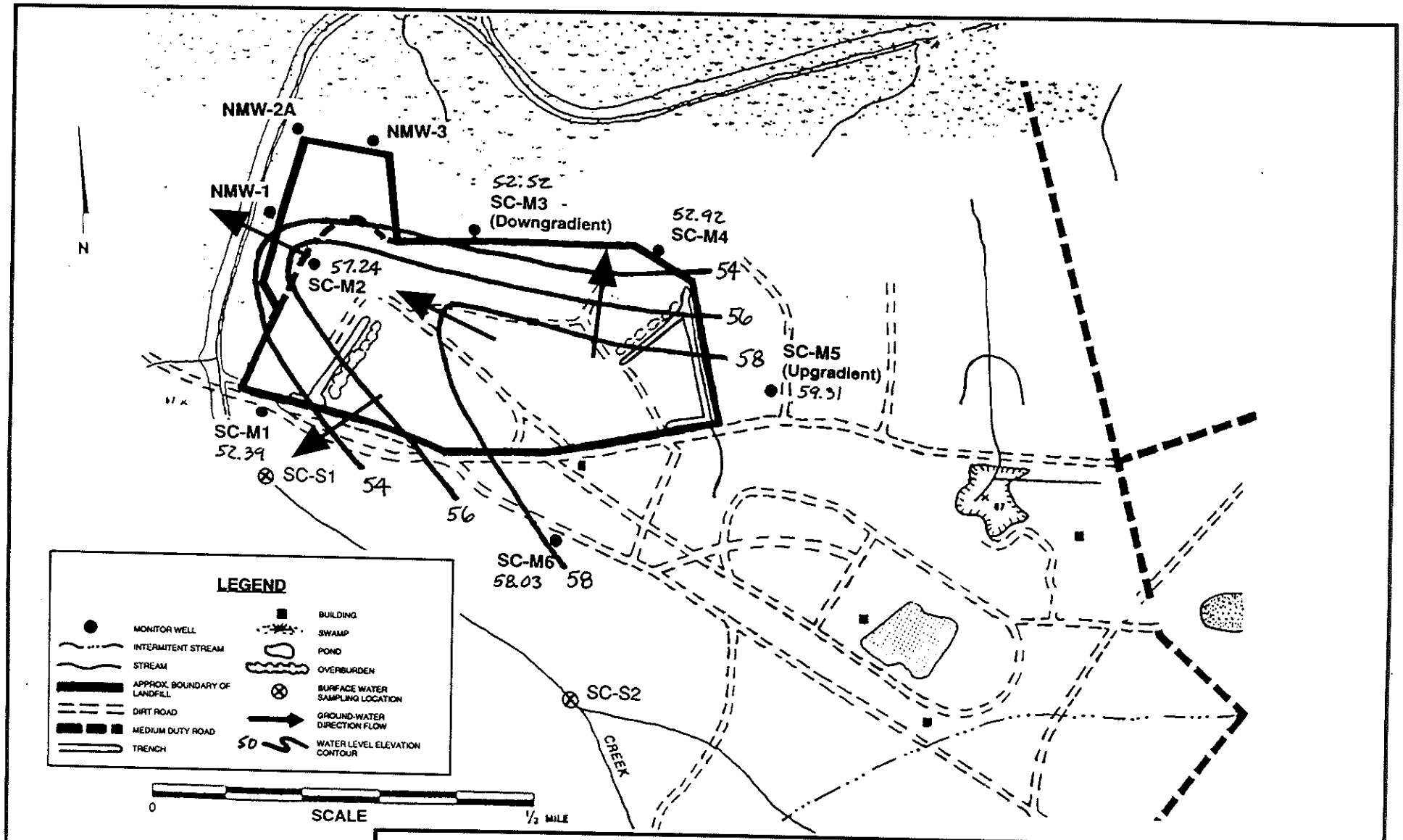

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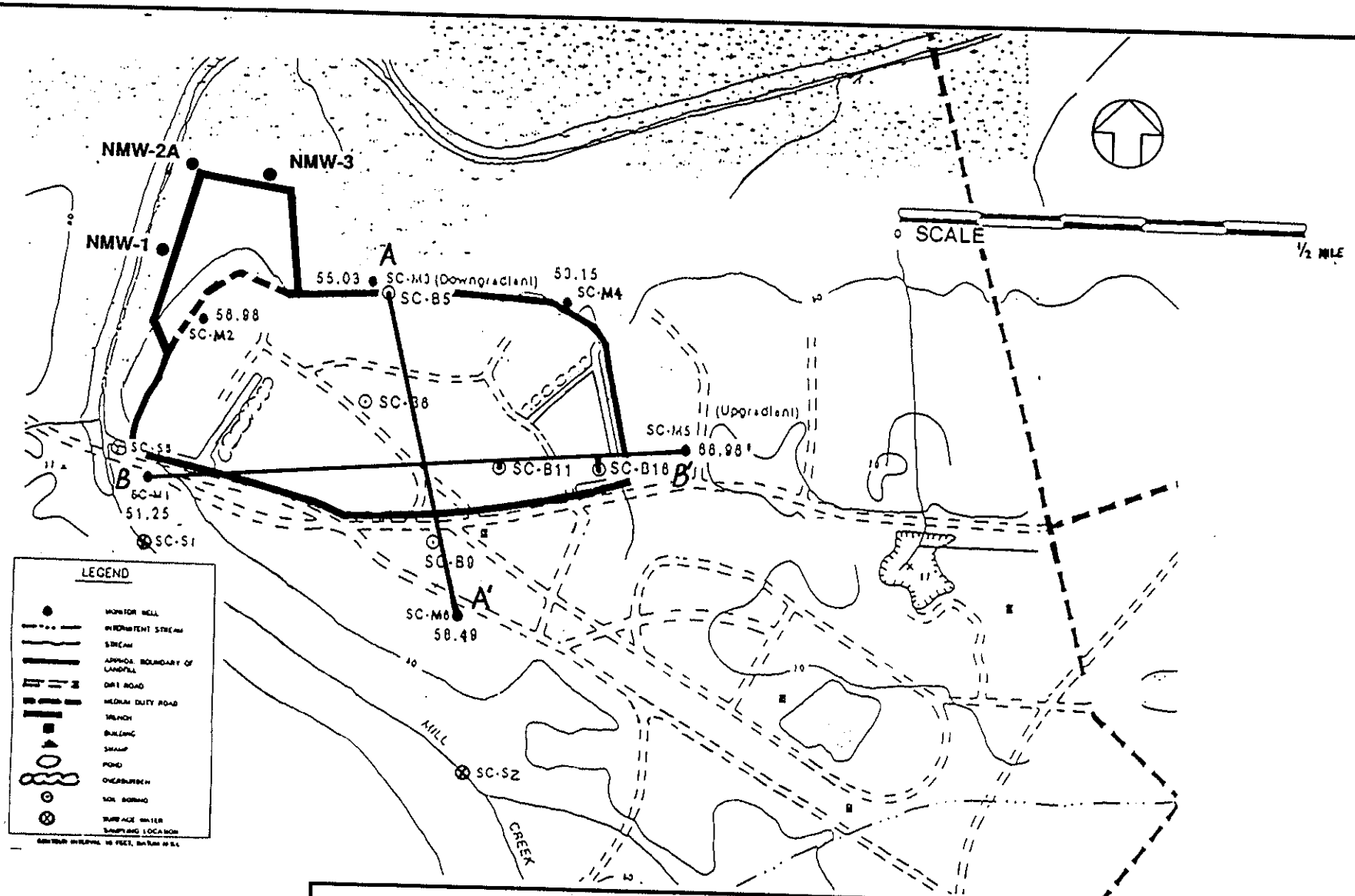
FIGURE 5-5
WATER LEVEL ELEVATION MAP
OCTOBER 5, 1993
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000



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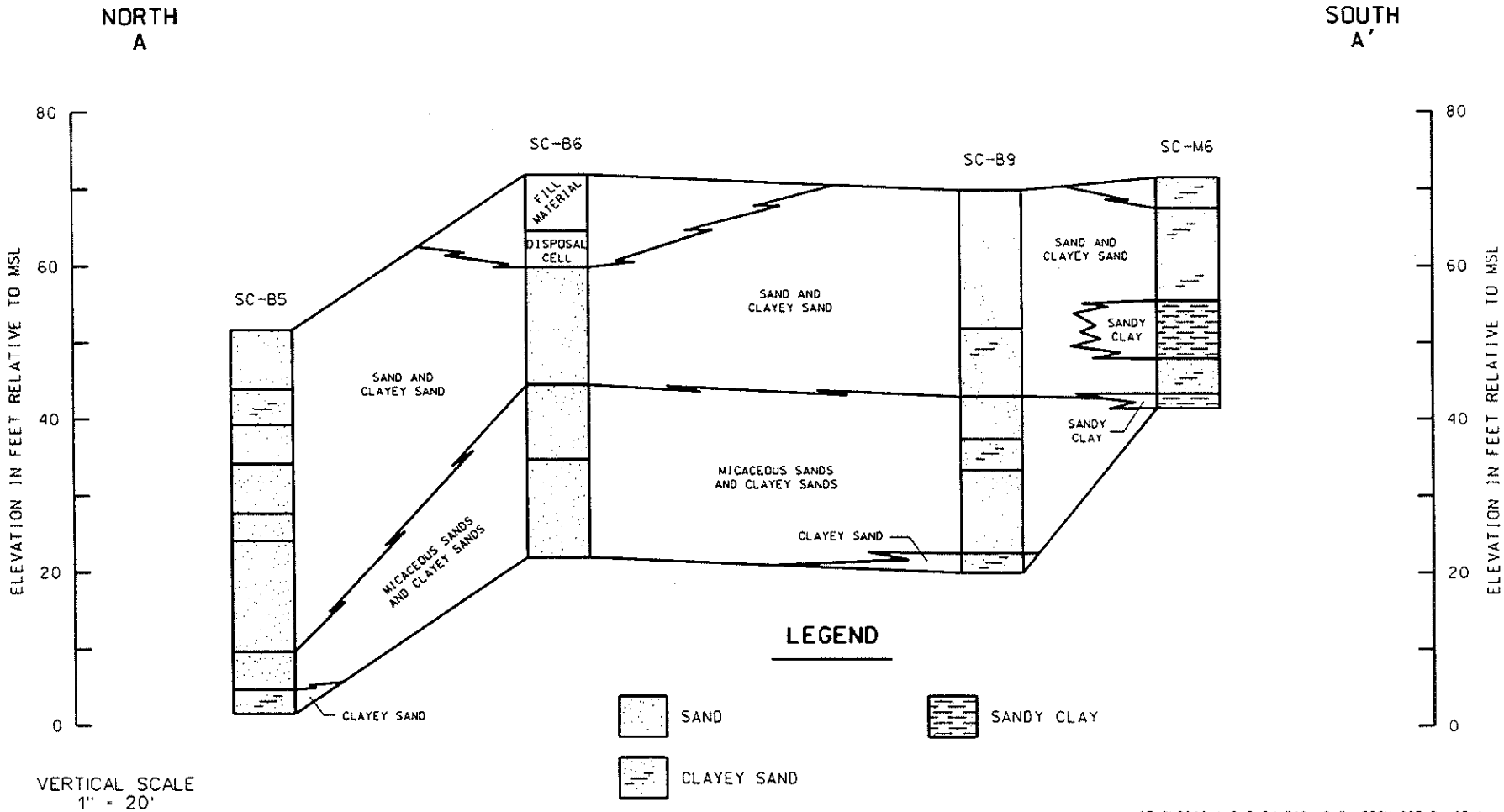
RUST ENVIRONMENT & INFRASTRUCTURE

FIGURE 5-6

TRACE OF GEOLOGIC CROSS-SECTIONS
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000

DWG FILE: 5-7.DWG PLOTTED: 4/1/94



RUST ENVIRONMENT & INFRASTRUCTURE

FIGURE 5-7

GEOLOGIC CROSS-SECTION A-A':
SWMU-1 (FST-001) SOUTH CENTRAL LANDFILL

FORT STEWART, GEORGIA
PROJECT NO. 87528.000

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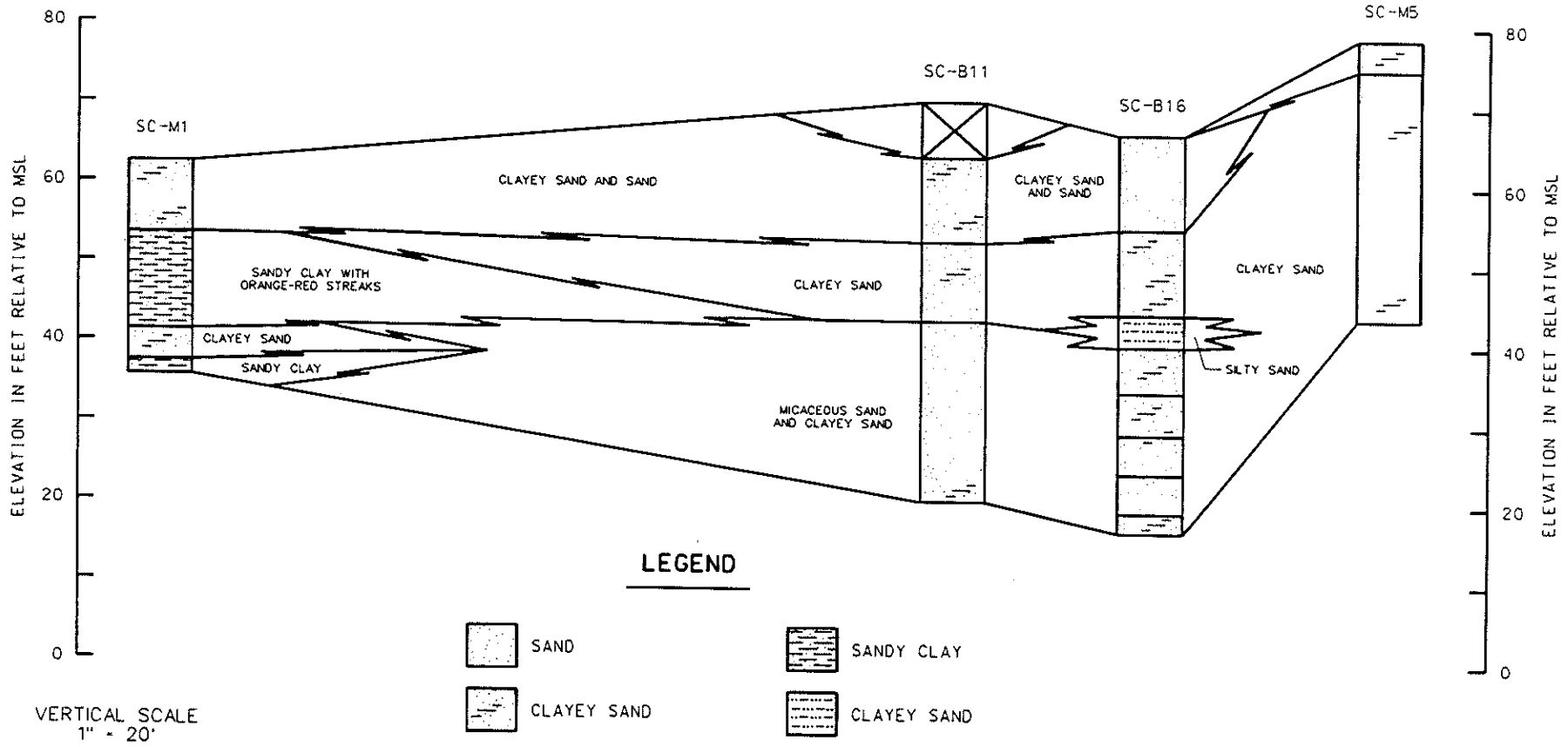


LITHOLOGIC AND ELEVATION DATA FROM COE PHASE 1

RUST ENVIRONMENT & INFRASTRUCTURE

FIGURE 5-8

GEOLOGIC CROSS-SECTION B-B':
SWMU-1 (FST-001) SOUTH CENTRAL LANDFILL

FORT STEWART, GEORGIA
PROJECT NO. 87528.000

5.1.4 Waste Characterization

Material characterization for the South Central Landfill SWMU1(FST-001) includes dry, construction-type debris, packaged asbestos (licensed disposal), paper waste, sludge from the wastewater treatment plant, dewatered sludge from the sewage treatment plant, waste air filters from the paint booth in the DOL Allied Trades Shop, autoclaved infectious waste bagged in special containers, incinerator ash, and putresible garbage (G&M, 1993). Efforts to date have not yielded information regarding ignition sources which may have been used on-site.

5.1.5 Analytical Results

The following section provides a brief summary of analytical results of the ground-water and surface water samples collected at the South Central Landfill. Ground-water samples were collected from six (6) monitoring wells and surface water samples were collected from two up-gradient locations along Mill Creek (Figure 5-2). The proposed down-gradient surface water sample was mistakenly taken in an up-gradient location. The water samples were collected during July, 1993 and analyzed for VOCs by USEPA Method 624, RCRA total metals by USEPA Methods 6010, 7470/7471, 7060, 7421 and 7740, pesticides and PCBs by USEPA Method 608, and Radium 226/228 by USEPA method 900. The USACE Quality Control Summary Report (QCSR) dated February, 1994 stated that holding times were exceeded during the July, 1993 sampling event; VOCs were re-sampled during October, 1993. No laboratory derived analytical data were provided for specific conductance and pH in the ground-water or surface water samples, however, field parameters for pH and specific conductance were reported.

Due to the number of water samples and parameters analyzed, this summary is limited to a discussion of the occurrence and distribution of analytes which exceed USEPA Maximum Contaminant Limit (MCL), Secondary Maximum Contaminant Limit (SMCLs), action level or site-specific background concentrations (for unregulated parameters). Table 4-1 in the Phase I RFI Work Plan (G&M, 1993) is included in Appendix B and provides the specific analytical parameters in groups of parameters analyzed for each sample. The Daily Quality

Control Reports and all data validation checklist are included in the USACE QCSR (February, 1994).

5.1.5.1 Action Levels and Clean-Up Standards

Table 5-1 summarizes the analytical results for the ground-water and surface water samples collected from the South Central Landfill. The table highlights (in bold) the parameters detected above the USEPA MCL, SMCL, action level or site-specific background concentrations (for unregulated parameters) in each ground-water sample and those samples above GAEPD standards in each surface water sample, as specified in the Rules and Regulations for Water Quality Control, or site-specific background concentrations (for unregulated parameters). The complete analytical results are included in the USACE QCSR (February, 1994) and Appendix U of this report.

5.1.5.2 Ground-Water

Volatile Organic Compounds

VOC concentrations were not reported above detection limit in the ground-water samples, except for 2 butanone (0.0112 mg/l) in monitoring well M6. Although no MCL is currently listed for 2 butanone, the site-specific background concentration was BDL.

Metals

During the USACE sampling event, cadmium, chromium and/or lead were detected in each of the six (6) monitoring wells in concentrations exceeding the MCL or action level (see Table 5-1). Figure 5-9 shows the metal contaminant distribution. Presence of these metals may be a result of lead and/or chromium based paints from the paint booth air filters. Also, arsenic, selenium, barium, and mercury were detected above site-specific background concentrations (M5). In addition, the G&M Work Plan (1993), found that the soil pH was found to be approximately 6.0 which creates conditions conducive for leaching of heavy metals.

TABLE 5-1
SUMMARY OF GROUND-WATER AND SURFACE WATER ANALYTICAL RESULTS
SWMU1(FST-001) - SOUTH CENTRAL LANDFILL
JULY AND OCTOBER 1993

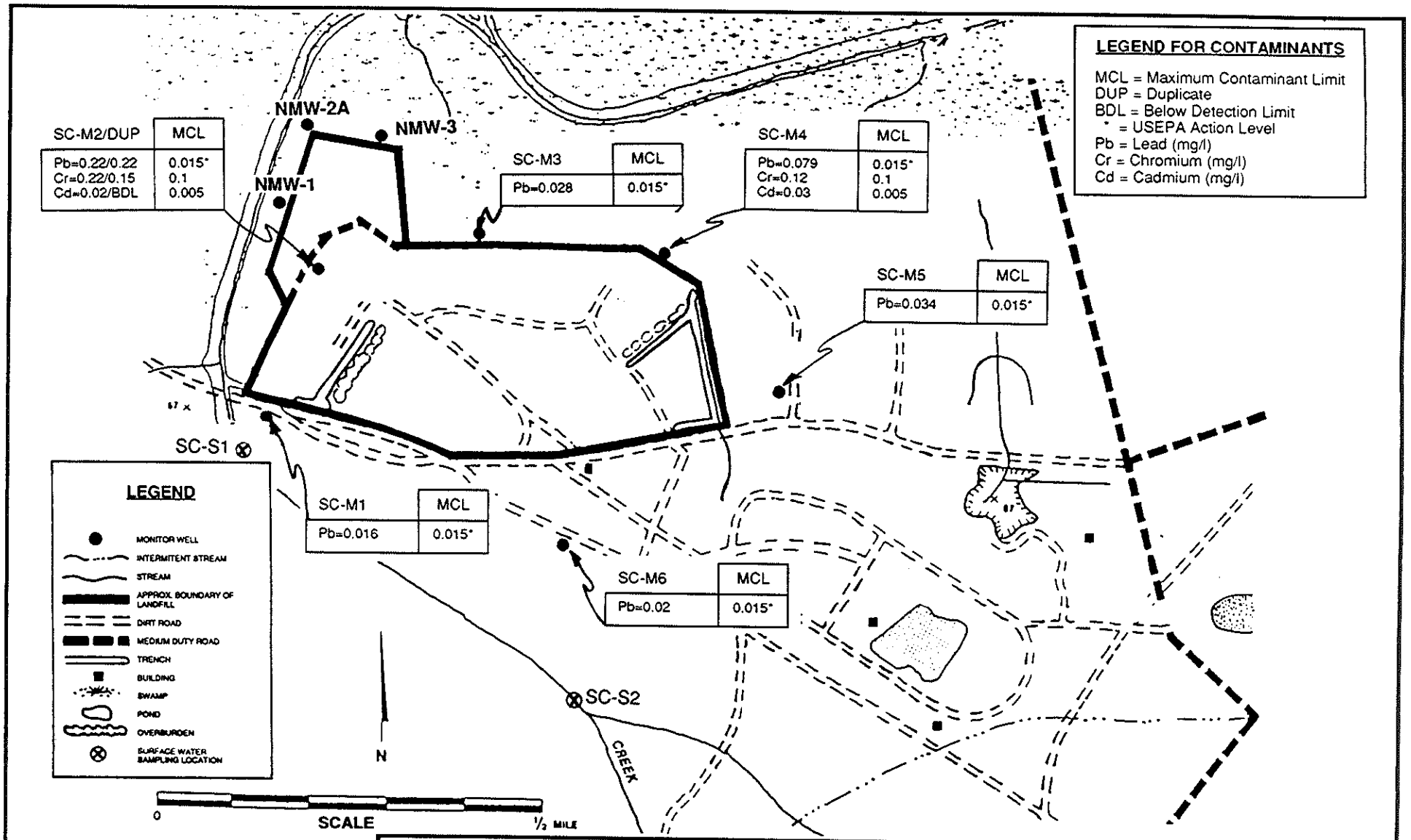
ID	Volatile Organic Compounds (mg/l)	Metals (mg/l)	Pesticide/PCBs (mg/l)	Ra-226/Ra-228 (pCi/l)	Field pH/Specific Conductance (mohm)
M1	BDL	Ba 0.09 **Pb 0.016**	Aldrin = 0.00004 Alpha BHC = 0.00007	3.8	7.10/0.43
M2/M2 Dup	BDL	Ar 0.014/0.013 Se 0.0072/0.0071 Ba 0.39/0.29 **Cd 0.02/BDL** **Cr 0.22/0.15** **Pb 0.22/0.22** Hg 0.0002/0.00026	Alpha BHC = 0.0005/ Alpha BHC = 0.00006 Delta BHC = 0.00003	**8.5/8.9**	7.45/0.34
M3	BDL	Ar 0.012 Ba 0.18 Cr 0.10 **Pb 0.028**	BDL	3.2	7.33/0.14
M4	BDL	Ar 0.009 Se 0.0052 Ba 0.37 **Cd 0.03** **Cr 0.12** **Pb 0.079**	Aldrin = 0.00004 Alpha BHC = 0.00006 Gamma BHC = 0.00003	5.0	7.01/0.27
M5 (Background)	BDL	Ba 0.1 **Pb 0.034**	Aldrin = 0.0001 Heptachlor = 0.00002	2.8	7.29/0.32

ID	Volatile Organic Compounds (mg/l)	Metals (mg/l)	Pesticide/PCBs (mg/l)	Ra-226/Ra-228 (pCi/l)	Field pH/Specific Conductance (mohm)
M6	**2 Butanone = 0.0112**	Ba 0.06 **Pb 0.02**	BDL	1.6	7.11/0.09
S-1/S-1 Dup	BDL/BDL	BDL/BDL	BDL/BDL (1)	**0.6/1.3**	7.10/0.07
S-2 (Background)	BDL	BDL	**Alpha BHC = 0.00004** **Beta BHC = 0.00005** Delta BHC = 0.00006	0.34	7.42/0.19
MCL (Ground-Water)	2 Butanone = NL	Ar 0.05 Se 0.05 Ba 2.0 Cd 0.005 Cr 0.1 Pb 0.015* Hg 0.002	Aldrin = NL BHC = 0.0002 Heptachlor = 0.0004	5	(S) 6.5-8.5/NL
GAEPD Standards (Surface Water)	NA	NA	Alpha BHC = 0.0000131 Beta BHC = 0.000046 Delta BHC = NL	NL	NA

NOTES:

(1) Due to interference, detection limit is greater than the MCL

MCL = Maximum Contaminant Limit
Dup = Duplicate
NA = Not Applicable
Ar = Arsenic
Se = Selenium
Ba = Barium
Cd = Cadmium
Cr = Chromium
Pb = Lead
Hg = Mercury
* = USEPA action level
NL = Not Listed
(S) = Secondary MCL



SOURCE:
GERAGHTY & MILLER, INC., 1993

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FIGURE 5-9
METAL CONTAMINANT DISTRIBUTION IN GROUND-WATER
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA
PROJECT NO. 87528.000

Pesticide/PCBs

Alpha benzene hexachloride (BHC), delta BHC (lindane), gamma BHC and heptachlor were reported in ground-water samples, but were not in excess of their respective MCLs. Aldrin was reported in monitoring wells M1 and M4, but was less than the reported concentration in background monitoring well M5. No PCB concentrations were detected in the ground-water samples. However, it should be noted that matrix interference resulted in detection limits in samples collected from monitoring wells M1, and M2, and M2 duplicate in excess of the MCL for some PCB aroclors and toxaphene.

Radium 226/228

No radium 226/228 concentrations were detected above the MCL in monitoring wells M1, M3, M5, and M6. Samples from monitoring wells M2, the M2 duplicate, and M4 had reported concentrations of 8.5 pCi/l, 8.9 pCi/l, and 5 pCi/l, respectively, but were slightly above the MCL of 5 pCi/l.

Specific Conductance and pH

No laboratory analytical data were provided for specific conductance and pH in the ground-water samples. However, field pH ranged from 7.01 to 7.45 and field specific conductance ranged from 0.09 mohm to 0.43 mohm.

5.1.5.3 Surface Water

Volatile Organic Compounds

VOC concentrations were not reported above detection limit in the surface water samples.

Metals

No metal concentrations were detected above detection limit in the surface water samples.

Pesticide/PCBs

Alpha, beta and delta BHC were reported in surface water sample S-2. Alpha and beta BHC were in excess of their respective GAEPD guidelines. No PCB concentrations were

detected above detection limit in the surface water samples. However, matrix interference resulted in elevated detection limits in the sample SW-1 duplicate which was in excess of the MCL for some PCB aroclors and toxaphene. Pesticide contaminant distribution in surface water are shown in Figure 5-9A.

Radium 226/228

No radium 226/228 concentrations were detected above the MCL in the surface water samples.

Specific Conductance and pH

No laboratory analytical data were provided for specific conductance and pH in the surface water samples. However, field pH ranged from 7.10 to 7.42 and field specific conductance ranged from 0.07 mohm to 0.19 mohm.

5.1.5.4 Data Evaluation

A problem encountered during sampling at the South Central Landfill was that "holding times were exceeded with the samples taken on 15-19 July 1993 and were resampled and rerun on 5 October 1993." In addition during the July, 1993 sampling event, sample temperatures were in excess of protocol upon arrival at the laboratories. The sample cooling and shipment procedures were changed and samples were maintained at proper temperature during the re-sampling event in October, 1993.

In conclusion, the USACE QCSR (February, 1994) states that all data samples were within usable QC limits even though some had to be resampled to be considered usable. The USEPA Level III data quality objective was met. In addition, both data quality objectives and completeness criteria were met, and the data for SWMU1 met the project objectives.

5.1.6 Evidence of Release from the Site

The analytical results indicate that 2-butanone was detected above the background level, cadmium, chromium and/or lead concentrations were in excess of the MCL or action level

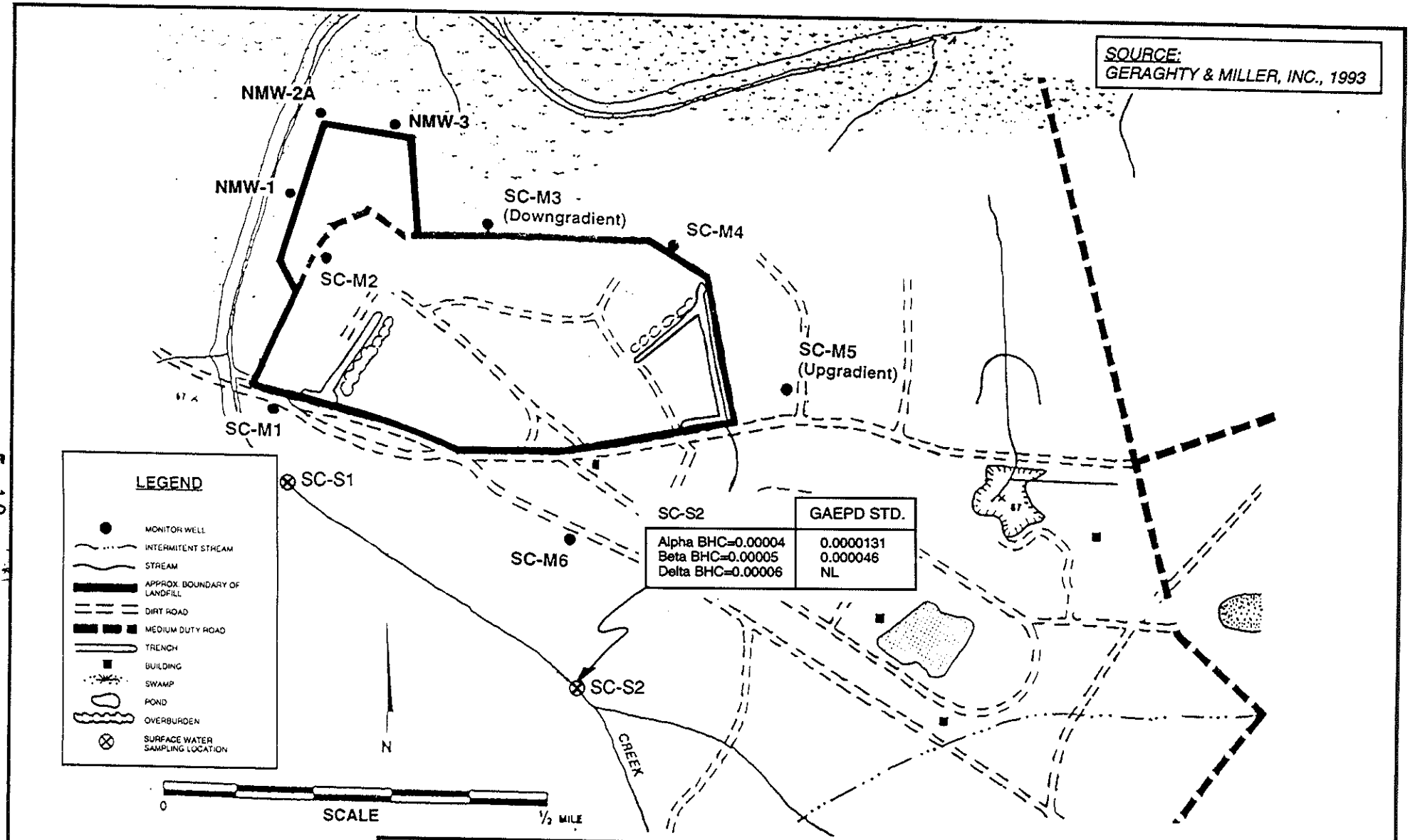

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FIGURE 5-9A

PESTICIDE CONTAMINANT DISTRIBUTION IN SURFACE WATER SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA

PROJECT NO. 87528.000

in the ground-water and pesticide concentrations of alpha-BHC and beta-BHC were in excess of the GAEPD standard in one surface water sample at the South Central Landfill SWMU1. In addition, radium-226/228, was in excess of site-specific background concentration (S2, 0.34 pCi/l) in surface water sample S-1/S-1 Duplicate. Also, arsenic, selenium, barium, and mercury were detected above site-specific background concentrations for soils. These parameters may have entered the ground-water and/or soil by way of the landfill and may indicate a release has occurred at the site.

5.1.7 Health and Environmental Assessment

The objective of the Health and Environmental Assessment (HEA) is to provide information necessary to evaluate the need for appropriate interim corrective measures or for a Corrective Measures Study (CMS). The following sections describe transport pathways and potential exposure routes for the receiving media of concern, human health and environmental toxicity criteria, and the preliminary risk evaluation for constituents and media of potential concern. Following the identification of exposure routes, constituent concentrations detected in each medium were compared to exposure-limit criteria developed for selected exposure pathways. Human and ecological exposure criteria were developed using procedures described in Chapter 8 of the *Interim Final RCRA Facility Investigation (RFI) Guidance - Development of an RFI Work Plan and General Considerations for RCRA Facility Investigations* (USEPA, 1989a).

5.1.7.1 Human Health Assessment

Transport Mechanisms and Exposure Pathways

Following release from a source, contaminants may migrate in environmental media by any of several transport mechanisms, including:

- Resuspension and airborne dispersal of contaminated soil particulates,
- Volatilization of organics from soil, surface water, or ground-water,
- Uptake of contaminants by biota,
- Stormwater runoff to surface water and sediments,

- Infiltration/percolation of soil contaminants to ground-water, and
- Discharge of ground-water to surface water and sediments.

For the purposes of this assessment, all potentially contaminated media were considered, however, only those media considered to present the most significant exposure potential were quantitatively evaluated. At SWMU1, ground-water and surface water samples were collected from areas of probable contamination. The resulting data were used in quantitatively evaluating the following potential mechanisms of contaminant migration: stormwater runoff to surface water, infiltration and/or percolation of soil contaminants to ground-water, and discharge of ground-water into surface water.

A complete exposure pathway includes a contaminant source, a transport mechanism, an exposure point where contact by a receptor with the contaminated medium may occur, and a route of intake of the contaminated medium at the exposure point.

Potentially complete human exposure pathways at SWMU1 include: ingestion of and dermal contact with ground-water, surface water, and sediment; inhalation of vapor; and ingestion of contaminated biota. All pathways considered to be complete were addressed and those that represented the greatest potential for risk were quantitatively evaluated. Potential exposure pathways that were quantitatively evaluated for human receptors were ingestion of surface water and ground-water.

Toxicity Criteria

The primary element of the human health assessment is the set of criteria (risk-based constituent concentrations) used to evaluate constituent concentrations associated with SWMU1. Human health criteria were based on EPA-established chronic exposure limits.

The maximum contaminant levels (MCLs) for drinking water promulgated under the Safe Drinking Water Act were used as the toxicity criteria for human drinking water consumption for constituents released to ground-water or surface water. If MCLs did not exist for a

particular constituent of concern, the criterion used was the health-based criterion for carcinogens, the health-based criterion for noncarcinogens, or the lower of these two values if both existed for the constituent of potential concern.

The health-based criteria for carcinogens, calculated from Risk-Specific Doses (RSDs), were developed in accordance with EPA RCRA Facility Investigation (RFI) Guidance (USEPA, 1989a). The RSD is an upper bound estimate of the average daily dose of a carcinogen corresponding to an excess cancer risk for lifetime exposure of 10^{-6} for Class A and B carcinogens, or 10^{-5} for Class C carcinogens. The criteria, presented in Appendix T, were calculated from RSDs as follows:

$$C_i = (R/SF) \times (W/I) \qquad \text{(Equation 1)}$$

where:

C_i = criterion concentration for the constituent of concern,
R = risk level (10^{-6} for Class A and B, 10^{-5} for Class C carcinogens) ,
SF = carcinogenic slope factor $(mg/kg\text{-}day)^{-1}$,
(R/SF) = the RSD,
W = assumed weight of the exposed individual (receptor), and
I = intake amount for a given time period.

The most current slope factors (SFs) were obtained from EPA's Integrated Risk Information System (IRIS) database (USEPA, 1994). When SFs were not available in IRIS, they were selected from the Health Effects Assessment Summary Tables (HEAST) (USEPA, 1993). If SFs could not be obtained from HEAST, provisional values supplied by the Superfund Health Risk Technical Support Center of the EPA Environmental Criteria and Assessment Office (SHRTSC-ECAO) were used.

The values (from USEPA 1989a) for the assumed weight (W) and intake rate (I) used in the calculation were:

Ground-water and Surface Water Ingestion

2.0 liters/day for 70 kg adult (70 year exposure period)

The human health-based criteria for noncarcinogens, calculated from the Reference Dose (RfD), are an estimate of the daily exposure that an individual (including sensitive individuals) can experience without appreciable risk of adverse health effects during a lifetime exposure. The criteria, shown in Appendix T, were calculated using the following equation:

$$C_i = (RfD) \times (W/I) \qquad \text{(Equation 2)}$$

where:

C_i = criterion concentration for the constituent of concern,
RfD = reference dose in mg/kg-day,
W = assumed weight of the exposed individual (receptor), and
I = intake amount for a given time period.

The most current RfDs were obtained, in order of priority, from EPA's IRIS, HEAST, or SHRTSC-ECAO. The values used for the assumed weight (W) and intake rate (I) were the same as those used in calculating the carcinogen criteria.

For a given constituent of potential concern associated with systemic health effects, the noncarcinogen criteria for water ingestion were used unless MCLs or lower carcinogen criteria existed.

Preliminary Risk Evaluation

Following the calculation of exposure-limit criteria ("action levels"), comparisons were made between the action levels and the constituent concentrations present at the SWMU1. Maximum detected concentrations were used for the comparison. Concentrations that

TABLE 5-1A
COMPARISON OF INDIVIDUAL CONSTITUENT CONCENTRATIONS
WITH HUMAN HEALTH CRITERIA
SWMU1(FST-001) - SOUTH CENTRAL LANDFILL

Exposure Medium	Units	Constituent Released	Release Concentration*	Criterion Type Used	Criterion Value	Release Concentrations Exceed Criterion?
GROUND WATER	mg/l	Aldrin	1.00E-04	C	2.06E-06	Yes
		alpha-BHC	7.00E-05	MCL	2.00E-04	No
		2-Butanone	1.12E-02	NC	2.10E+01	No
		delta-BHC	3.00E-05	MCL	2.00E-04	No
		gamma-BHC	3.00E-05	MCL	2.00E-04	No
		Heptachlor	2.00E-05	MCL	4.00E-04	No
		Arsenic	1.40E-02	MCL	5.00E-02	No
		Barium	3.90E-01	MCL	2.00E+00	No
		Cadmium	3.00E-02	MCL	5.00E-03	Yes
		Chromium	2.20E-01	MCL	1.00E-01	Yes
		Lead	2.20E-01	MCL	1.50E-02	Yes
		Mercury	2.60E-04	MCL	2.00E-03	No
		Selenium	7.20E-03	MCL	5.00E-02	No
SURFACE WATER	mg/l	alpha-BHC	4.00E-05	MCL	2.00E-04	No
		beta-BHC	5.00E-05	MCL	2.00E-04	No
		delta-BHC	6.00E-05	MCL	2.00E-04	No

* Release concentration represents the maximum detected concentration for each constituent.

C - Carcinogen
NC - Noncarcinogen
MCL - Maximum Contaminant Level

TABLE 5-1B
COMPARISON OF INDIVIDUAL CONSTITUENT CONCENTRATIONS
WITH ECOLOGICAL CRITERIA
SWMU1(FST-001) - SOUTH CENTRAL LANDFILL

Exposure Medium	Units	Constituent Released	Release Concentration	Criterion Type Used	Criterion Value*	Release Concentrations Exceed Criterion?
SURFACE WATER	mg/l	alpha-BHC	4.00E-05	AWQC	1.00E-02	No
		beta-BHC	5.00E-05	AWQC	1.00E-02	No
		delta-BHC	6.00E-05	AWQC	1.00E-02	No

* Available AWQC value (1.00E-01) was for acute exposure. Therefore, the criterion value was calculated as 1/10 of this value.

exceeded human health action levels are shown in Table 5-1A.

Of the 13 constituents detected in ground-water at SWMU1, seven were metals, five were pesticides, and one was a volatile organic compound (VOC). Three of the metals and one of the pesticides exceeded criterion values, indicating that these constituents potentially could pose a risk to human health as a result of ground-water ingestion. Both of the pesticides that exceeded criteria are rated as Class B2 carcinogens. Additional human intake of these constituents potentially could occur as a result of dermal contact and inhalation during showering and other uses of ground-water. Also, intake could occur as a result of transport of constituents from ground-water into surface water and sediments, and subsequently into biota, such as fish, which could be consumed by humans. Inhalation of VOC vapors is another potential intake route.

Three pesticides were detected in surface water at SWMU1. However, no pesticide exceeded its criterion value, indicating that surface water at this SWMU is unlikely to pose a risk to human health.

5.1.7.2 Environmental Assessment

Transport Mechanisms and Exposure Pathways

Potential transport mechanisms and complete exposure pathways for ecological receptors are the same as those described in Section 5.1.7.1for human receptors, except for direct exposure to ground-water. All potentially complete exposure pathways were considered. Those that represented the greatest potential for risk were quantitatively evaluated unless the human health assessment had already indicated that further SWMU assessment for that pathway would be required.

The human health assessment showed that further evaluation would be required for only the ground-water exposure pathway. Direct exposure to ground-water is not a complete exposure pathway for ecological receptors. Therefore, the potential exposure pathway that was quantitatively evaluated for ecological receptors was exposure of aquatic organisms to

surface water.

Toxicity Criteria

The ecological criteria used in evaluating potential exposure of aquatic receptors to surface water at SWMU1 were EPA Ambient Water Quality Criteria for the protection of aquatic life. Chronic criteria were not available for the pesticides detected, so acute criterion values were used after dividing them by an uncertainty factor of 10 to allow for possible longer-term environmental exposures.

Preliminary Risk Evaluation

Toxicity to ecological receptors was evaluated by comparison of ecological exposure criteria (derived as described above) to maximum detected release concentrations. The results of this evaluation are shown in Table 5-1B. The release concentration of each pesticide constituent was well below its criterion value based on AWQCs, indicating that surface water exposure does not pose a significant risk to ecological receptors at the unit.

5.1.8 Potential for Phase II Investigation

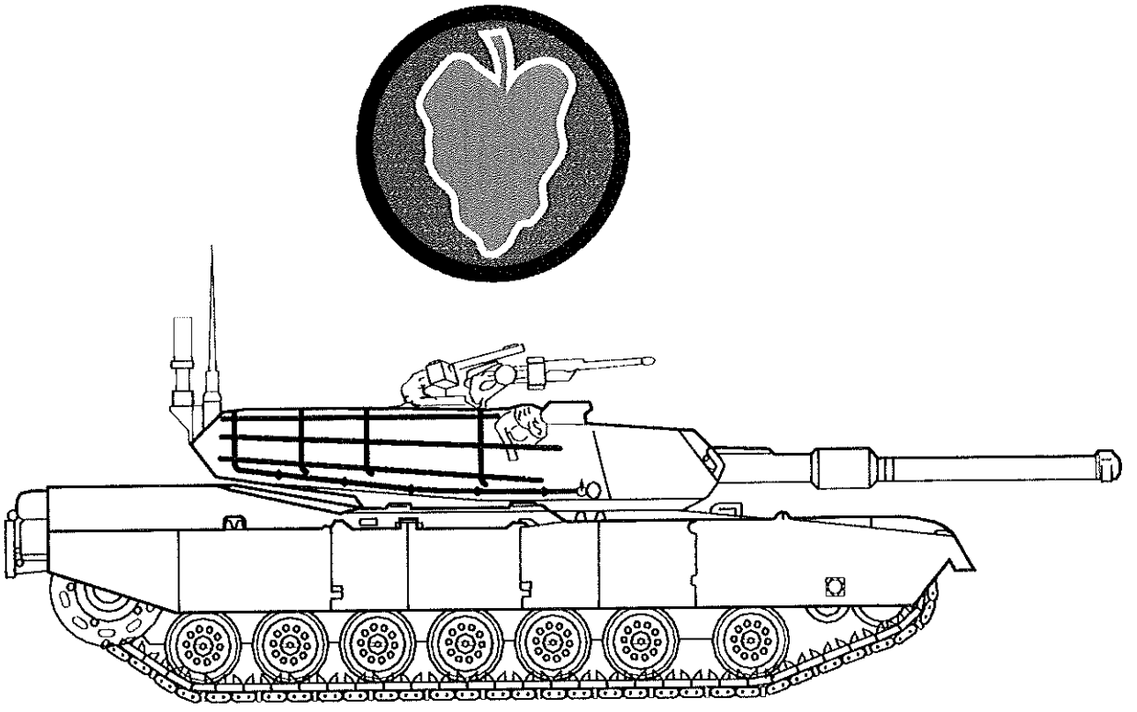
As stated in Section 5.1.6,the analytical results indicate that a release may have occurred at SWMU1. Based on these results, a Phase II investigation is recommended. In that two (2) up-stream surface water samples were collected in Phase I, it is recommended that one (1) up-stream and one (1) down-stream surface water be sampled and analyzed for RCRA metals, pesticide/PCBs, radionuclides, pH and specific conductance.

The Phase II investigation would include a detailed research (with interviews of all former landfill operators) to locate the former boundary and obtain descriptions of waste types; a site inspection (walk-over) to locate any surface features such as mounds, trenches, stressed vegetation, or leachate; a geophysical survey; and installation of six (6) additional monitoring wells around the new boundary of the old landfill (refer to Figure 5-2). Soil samples should be collected during construction of the monitoring wells for analysis. If any leachate is identified, the leachate would be sampled. The Phase II investigation would also include

sampling the six (6) original monitoring wells, the three (3) new monitoring wells, the four (4) planned Subtitle D monitoring wells, and six (6) additional Phase II monitoring wells for VOCs, metals, pesticide/PCBs, pH, radionuclides and specific conductance. An HEA is recommended as part of the Phase II investigation.

Corrected Final
Phase I RCRA Facility Investigation Report
For 24 Solid Waste Management Units
At Fort Stewart, Georgia

Volume II of III



May 1996

Job No. 87528.000

Prepared For

US Army Corps of Engineers
Savannah District

Prepared By

RUST ENVIRONMENT & INFRASTRUCTURE

CORRECTED FINAL

PHASE I
RCRA FACILITY INVESTIGATION REPORT
FOR 24 SOLID WASTE MANAGEMENT UNITS
AT FORT STEWART, GEORGIA
VOLUME II OF III

Prepared For

UNITED STATES ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT

Contract DACA21-93-D-0029
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May 1996

Prepared By
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Appendix F

SWMU1(FST-001) South Central Landfill

Appendix F1

Water Level Elevation Data

WATER ELEVATIONS
SWMU1(FST-001)
SOUTH CENTRAL LANDFILL
OCTOBER 5, 1993

WELL ID	TOC ELEVATION	DEPTH TO WATER	WATER LEVEL ELEVATION
SC-M1	60.71	8.32	52.39
SC-M2	66.69	9.45	57.24
SC-M3	52.52	0.00	52.52
SC-M4	56.09	3.17	52.92
SC-M5	69.41	10.10	59.31
SC-M6	69.55	11.52	58.03

NOTES:

TOC = Top of Casing

Fort Stewart RFI

Dec. 1993 Survey

	El. Top of Riser
FST-001	
MW-1	60.71
MW-2	66.69
MW-3	52.52
MW-4	56.09
MW-5	69.41
MW-6	69.55
FST-002*	
MW-1	100.89
MW-2	87.95
MW-3	75.48
MW-4	76.92
FST-003**	
MW-1	100.68
MW-2	98.43
MW-3	95.46
MW-4	94.69

* Assummed elevation of 100' for TBM (nail in telephone pole)

** Assummed elevation of 100' for TBM (nail in tree)

readings

WATER LEVEL ~~ELEVATIONS~~

SITE NAME	DEPTH TO WATER (ft.)	TOP OF RISER (ft) (height)	DATE	WL Elev.
South Central Landfill				
FST-001-SCM1	8.32	3.50	10/05/93	52.39
FST-001-SCM2	9.45	0.75	10/05/93	57.24
FST-001-SCM3	0.00	0.75	10/05/93	52.52
FST-001-SCM4	3.17	0.75	10/05/93	52.92
FST-001-SCM5	10.10	0.75	10/05/93	59.31
FST-001-SCM6	11.52	3.50	10/05/93	58.03
Camp Olivier Landfill				
FST-002-MW1	21.94	2.70	11/16/93	
FST-002-MW2	16.01	2.00	11/16/93	
FST-002-MW3	6.88	2.45	11/16/93	
FST-002-MW4	6.12	2.50	11/16/93	
Tac-X Landfill				
FST-003-MW1	11.96	2.40	11/17/93	
FST-003-MW2	10.65	2.00	11/17/93	
FST-003-MW3	7.90	2.60	11/18/93	
FST-003-MW4	6.72	2.40	11/17/93	
Burn Pits				
FST-004A-MW1	10.39	2.80	08/21/93	
FST-004A-MW2	10.49	2.65	08/21/93	
FST-004A-MW3	9.80	2.50	08/21/93	
FST-004A-MW4	12.20	2.82	08/21/93	
FST-004B-MW1	13.33	2.46	08/22/93	
FST-004B-MW2	10.35	2.10	08/22/93	
FST-004B-MW3	11.44	2.75	08/22/93	
FST-004B-MW4	14.95	2.75	08/22/93	
FST-004C-MW1	5.78	3.05	11/09/93	
FST-004C-MW2	4.58	3.03	11/09/93	
FST-004C-MW3	4.72	2.61	11/10/93	
FST-004C-MW4	7.29	2.88	11/10/93	
FST-004D-MW1	9.55	3.27	07/30/93	
FST-004D-MW2	10.12	3.50	07/30/93	
FST-004D-MW3	9.84	3.00	07/30/93	
FST-004D-MW4	7.96	3.15	07/30/93	
FST-004E-MW1	13.72	2.80	08/19/93	
FST-004E-MW2	13.82	2.92	08/19/93	
FST-004E-MW3	13.39	2.95	08/19/93	
FST-004E-MW4	13.30	3.00	08/19/93	
FST-004F-MW1	16.14	2.90	08/20/93	
FST-004F-MW2	13.63	3.10	08/20/93	
FST-004F-MW3	18.03	2.90	08/20/93	
FST-004F-MW4	17.50	2.60	08/20/93	
Old Fire Training Pit				
FST-014-MW1	11.70	2.45	07/28/93	
FST-014-MW2	11.40	2.50	07/28/93	
FST-014-MW3	11.02	3.00	07/28/93	
FST-014-MW4	12.97	2.50	07/28/93	

WATER LEVEL ELEVATIONS
Temporary Monitoring Well Readings

SITE NAME	DEPTH TO WATER (ft.)	TOP OF RISER (ft) height	DATE
86 Waste Oil Tanks			
FST-025-4A	11.11	2.37	10/14/93
FST-025-4AA	14.64	3.78	11/09/93
FST-025-56	13.12	5.45	10/14/93
FST-025-64	12.63	4.83	09/02/93
FST-025-64A	-	3.65	09/03/93
FST-025-67	5.07	0.65	10/25/93
FST-025-70	17.95	0.75	10/25/93
FST-025-94	5.07	0.65	10/25/93
FST-025-94B	9.11	2.38	09/02/93
FST-025-94C	-	1.47	09/02/93
FST-025-100A	14.25	2.00	09/02/93
FST-025-100B	8.90	1.34	09/02/93
FST-025-214	8.21	0.80	10/17/93
FST-025-215	12.25	3.75	10/17/93
FST-025-220	10.85	3.20	10/13/93
FST-025-232	10.60	3.15	10/13/93

Appendix F2

Horizontal Hydraulic Gradient Calculations

HORIZONTAL HYDRAULIC GRADIENT CALCULATIONS
SWMU1 - SOUTH CENTRAL LANDFILL
FORT STEWART, GEORGIA
OCTOBER 5, 1993

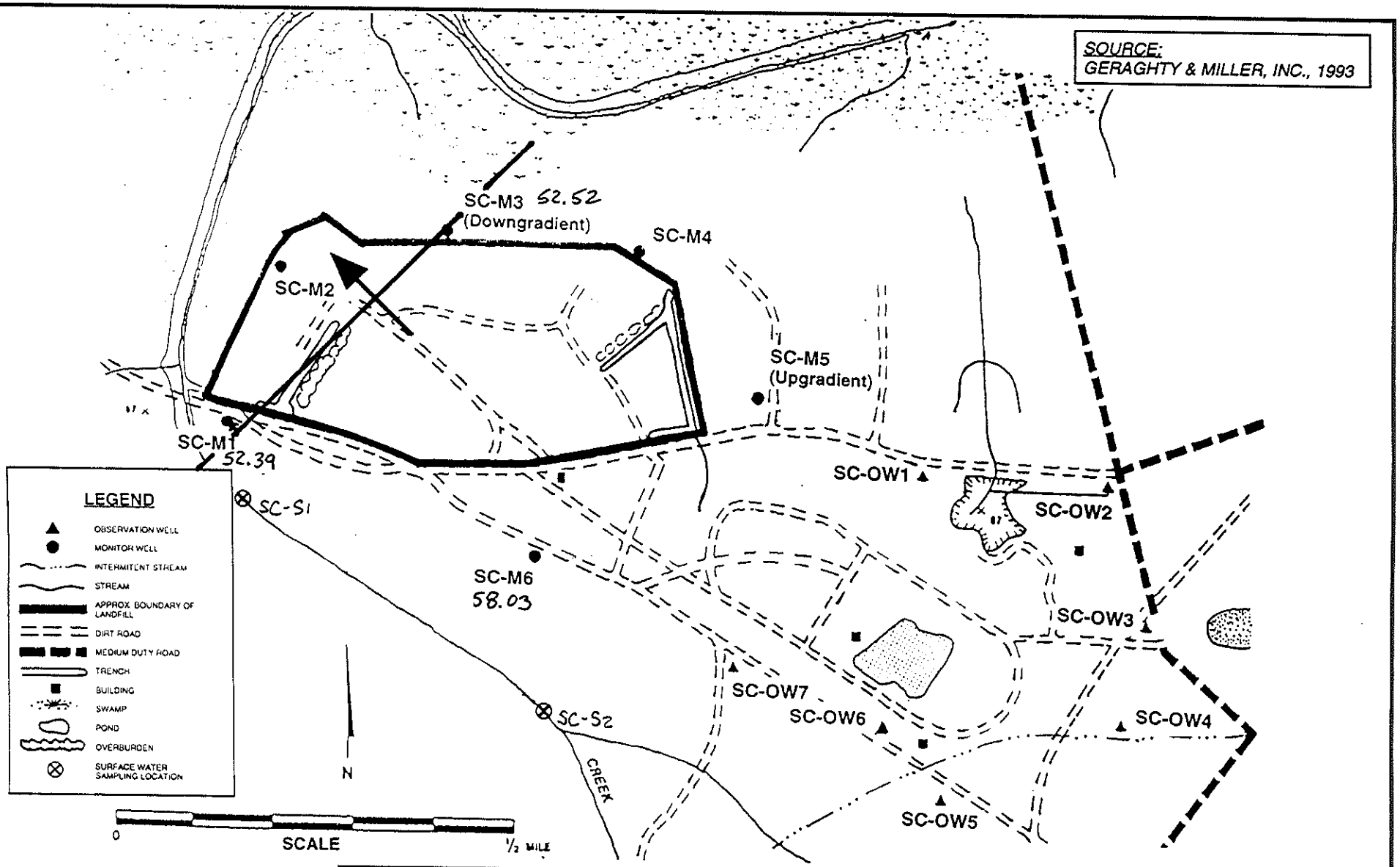
ID		WATER LEVEL ELEVATION
M6		58.03 HIGH
M3		52.52 MIDDLE
M1		52.39 LOW

$$\frac{58.03 - 52.52}{X} = \frac{58.03 - 52.39}{2223}$$

$$X = 2172$$

$$\frac{52.52 - 52.39}{65} = 0.002 \text{ ft/ft gradient}$$

Ground-water flow direction is north and west.



RUST ENVIRONMENT & INFRASTRUCTURE

HORIZONTAL HYDRAULIC GRADIENT

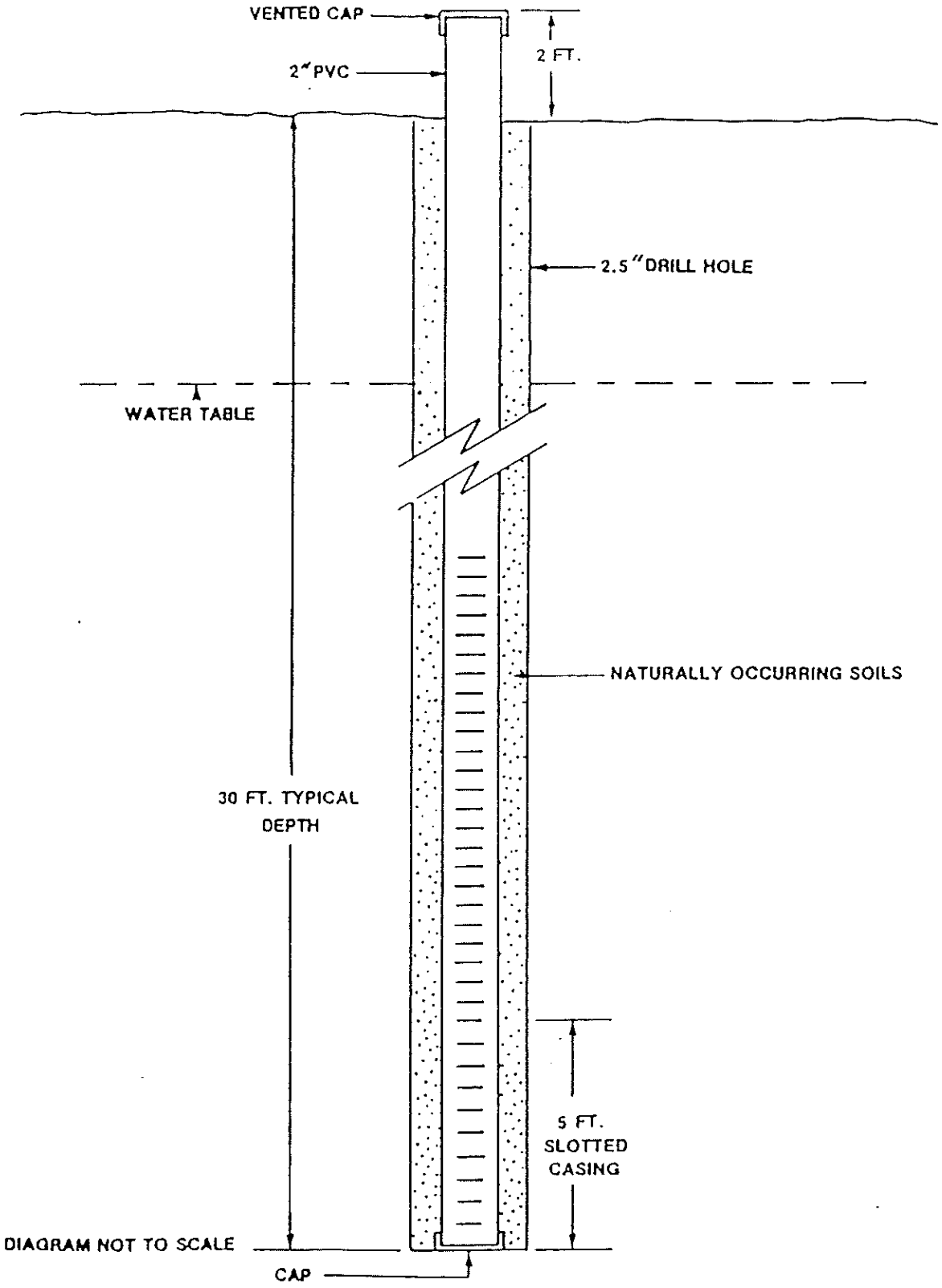
SWMU-1 (FST-001)

SOUTH CENTRAL LANDFILL, FORT STEWART, GEORGIA

PROJECT NO. 87528.000

Appendix F3

Monitoring Well and Soil Boring Logs



FORT STEWART
TYPICAL OBSERVATION WELL INSTALLATION

Source: U. S. Army Environmental Hygiene Agency 1988 (1980 Wells)

Hole No. SC M1

DRILLING LOG

DIVISION: South Atlantic	INSTALLATION: Fort Stewart, GA
	SHEET 1 OF 1 SHEETS
1. PROJECT: Fort Stewart RCRA Studies	10. SIZE AND TYPE OF BIT 9"
2. LOCATION (Coordinates or Station): N686890.30 E660515.96	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: Paul N. Clawson	12. MANUFACTURER'S DESIGNATION OF DRILL: SIMCO
4. HOLE NO. (As shown on drawing title and file number): SC-M1	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 0; UNDISTURBED 0
5. NAME OF DRILLER: Paul N. Clawson	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER 6.9' @ 24 hrs.
7. THICKNESS OF OVERBURDEN	16. DATE HOLE: STARTED 2/26/80; COMPLETED 2/29/80
8. DEPTH DRILLED INTO ROCK 0'	17. ELEVATION TOP OF HOLE 62.31'
9. TOTAL DEPTH OF HOLE 26.5'	18. TOTAL CORE RECOVERY FOR BORING %
	19. SIGNATURE OF INSPECTOR: Robert Graham

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	5		Red Brown - very clayey sand, color changes to grey below 3', sand mostly medium, some fine			
			9.0'			
	10		Light grey - silty, sandy clay, orange-red streaks, thin but frequent			
	15					
	20		21.0'			
			Light grey - clayey medium sand, clay 5-10%			
	25		25.0'			
			Dark grey - very silty, sandy clay, extremely hard material			
	30					

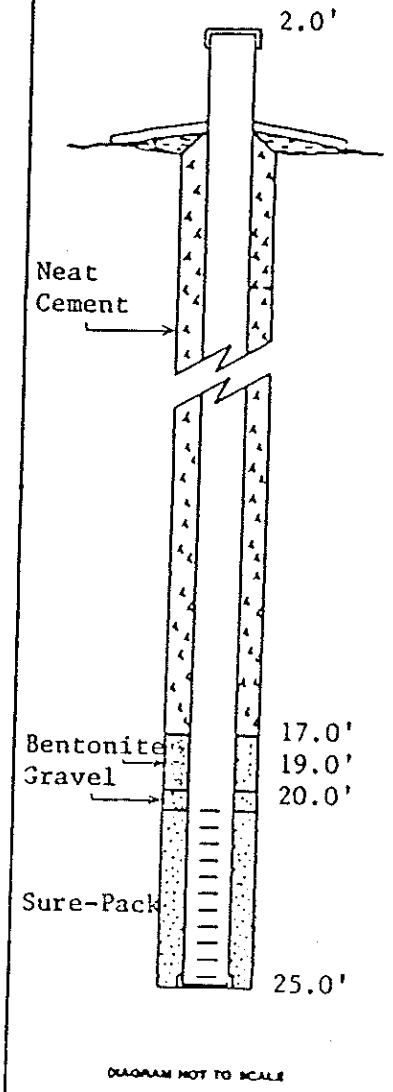


DIAGRAM NOT TO SCALE

Hole No. SC-M2

DRILLING LOG	DIVISION	INSTALLATION	SHEET
	South Atlantic	Fort Stewart, GA	1 OF 1 SHEETS

1. PROJECT: Fort Stewart RCRA Studies	10. SIZE AND TYPE OF BIT: 9"
2. LOCATION (Coordinates or Station): N687929.13 E661144.17	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: Paul N. Clawson	12. MANUFACTURER'S DESIGNATION OF DRILL: SIMCO
4. HOLE NO. (As shown on drawing title and file number): SC-M2	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 0 / UNDISTURBED 0
5. NAME OF DRILLER: Paul N. Clawson	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: 6.1' @ 24 hrs.
7. THICKNESS OF OVERBURDEN	16. DATE HOLE: STARTED 3/1/80 / COMPLETED 3/4/80
8. DEPTH DRILLED INTO ROCK: 0'	17. ELEVATION TOP OF HOLE: 64.65'
9. TOTAL DEPTH OF HOLE: 26.5'	18. TOTAL CORE RECOVERY FOR BORING: %
	19. SIGNATURE OF INSPECTOR: Robert Clawson

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			See soil boring log SC-B3			

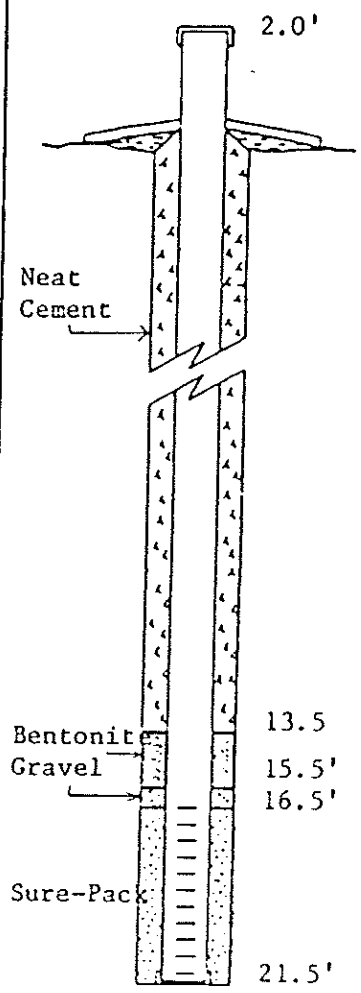


DIAGRAM NOT TO SCALE

Hole No. SC-M3

DRILLING LOG	DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
	South Atlantic	Fort Stewart, GA	

1. PROJECT: Fort Stewart RCRA Studies
2. LOCATION (Coordinates or Station): N688276.58 E622041.66
3. DRILLING AGENCY: Paul N. Clawson
4. HOLE NO. (As shown on drawing title and file number): SC-M3
5. NAME OF DRILLER: Paul N. Clawson
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN:
8. DEPTH DRILLED INTO ROCK: 0'
9. TOTAL DEPTH OF HOLE: 27.0'
10. SIZE AND TYPE OF BIT: 9"
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: SIMCO
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 0; UNDISTURBED 0
14. TOTAL NUMBER CORE BOXES:
15. ELEVATION GROUND WATER: Flowing well
16. DATE HOLE: STARTED 3/6/80; COMPLETED 3/10/80
17. ELEVATION TOP OF HOLE: 53.77'
18. TOTAL CORE RECOVERY FOR BORING: %
19. SIGNATURE OF INSPECTOR: Robert Mercer

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			See soil boring log SC-B5			

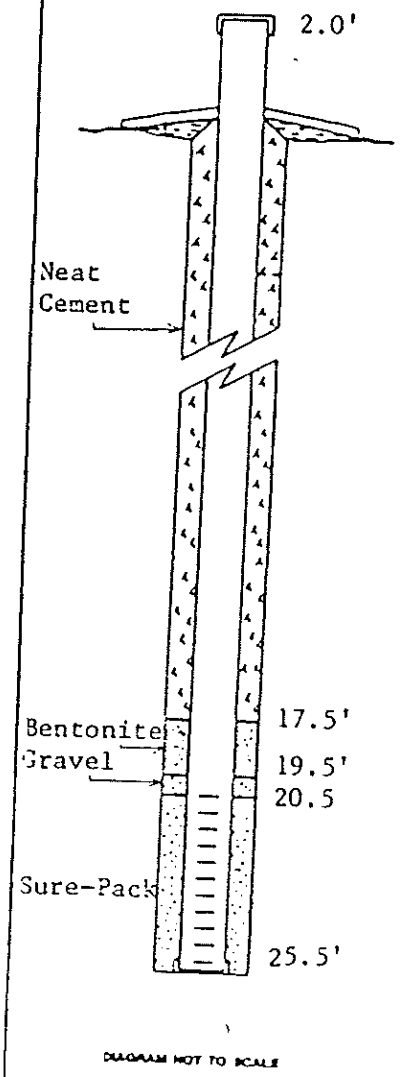


DIAGRAM NOT TO SCALE

Hole No. SC-M4

DRILLING LOG

DIVISION: South Atlantic

INSTALLATION: Fort Stewart, GA

SHEET 1 OF 1 SHEETS

1. PROJECT: Fort Stewart RCRA Studies

LOCATION (Coordinates or Station): N688197.28 E662979.40

DRILLING AGENCY: Paul N. Clawson

4. HOLE NO. (As shown on drawing title and file number): SC-M4

5. NAME OF DRILLER: Paul N. Clawson

6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.

7. THICKNESS OF OVERBURDEN:

8. DEPTH DRILLED INTO ROCK: 0'

9. TOTAL DEPTH OF HOLE: 23'

10. SIZE AND TYPE OF BIT: 9"

11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL

12. MANUFACTURER'S DESIGNATION OF DRILL: SIMCO

13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 0; UNDISTURBED 0

14. TOTAL NUMBER CORE BOXES:

15. ELEVATION GROUND WATER: +0.5' @ 24 hrs.

16. DATE HOLE: STARTED 3/11/80; COMPLETED 3/15/80

17. ELEVATION TOP OF HOLE: 57.85'

18. TOTAL CORE RECOVERY FOR BORING: %

19. SIGNATURE OF INSPECTOR: Robert Mason

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc. if significant) g
			Buff - fine sand 1.5'			
	5		Brown - changing to grey below 5 ft., clayey fine to medium sand, clay increases with depth, from 20% near top to 60% 9.0'			
	10		Grey-plastic sticky slightly sandy clay 16.0'			
	15		Light grey - clayey fine to medium sand 21.0'			
	20		Dark grey silty, sandy clay			
	25					
	30					

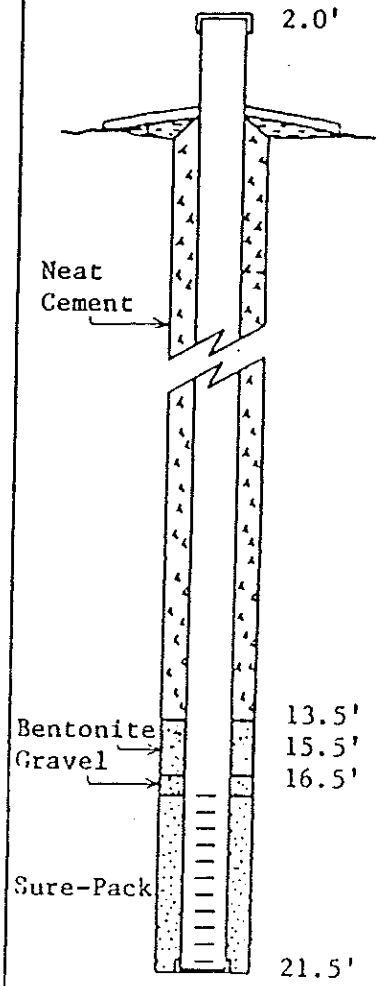


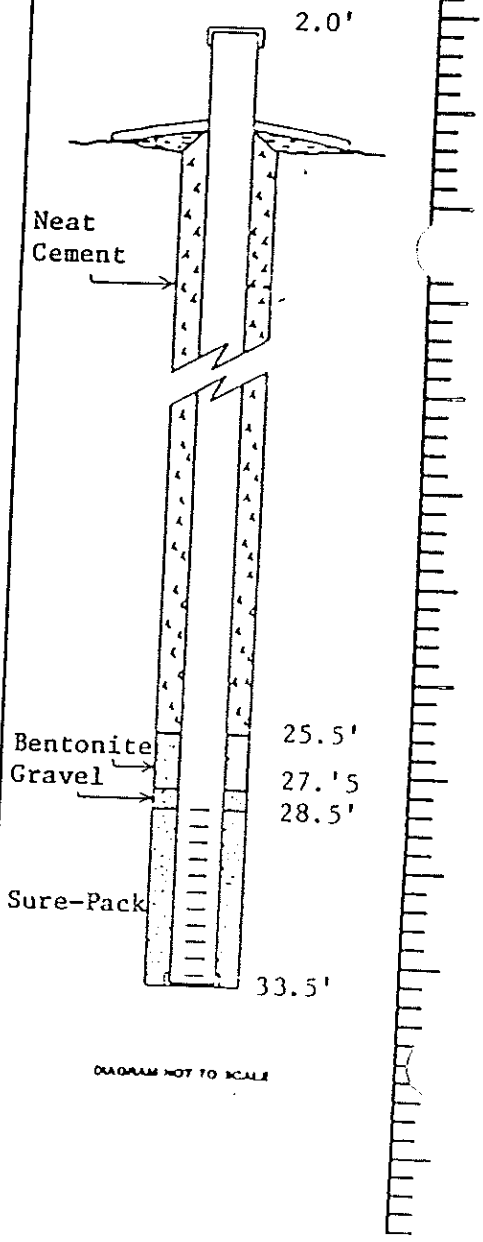
DIAGRAM NOT TO SCALE

DRILLING LOG

Hole No. SC-M5

DIVISION: South Atlantic	INSTALLATION: Fort Stewart, GA
	SHEET 1 OF 2 SHEETS
1. PROJECT: Fort Stewart RCRA Studies	10. SIZE AND TYPE OF BIT: 9"
2. LOCATION (Coordinates or Station): N687038.91 E664075.21	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: Paul N. Clawson	12. MANUFACTURER'S DESIGNATION OF DRILL: SIMCO
4. HOLE NO. (As shown on drawing title and file number): SC-M5	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 0 / UNDISTURBED 0
5. NAME OF DRILLER: Paul N. Clawson	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: 4.5' @ 24 hrs.
7. THICKNESS OF OVERBURDEN	16. DATE HOLE: STARTED 3/16/80 / COMPLETED 3/19/80
8. DEPTH DRILLED INTO ROCK: 0'	17. ELEVATION TOP OF HOLE: 78.53'
9. TOTAL DEPTH OF HOLE: 35.0'	18. TOTAL CORE RECOVERY FOR BORING: %
	19. SIGNATURE OF INSPECTOR: Robert Shearin

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Brown - clayey, medium to coarse sand, gradual color change to light grey starts about 3 ft. 4.0'			
	5		Grey, white - medium to coarse sand, clay content varies to bottom of hole			
	10					
	15					
	20					
	25		Grey, white medium to coarse sand, varying amount of clay material			
	30		30.0'			



F-12

DRILLING LOG (Cont Sheet)	ELEVATION TOP OF HOLE 78.53'	Hole No. SC-M5
PROJECT Fort Stewart RCRA Studies	INSTALLATION Fort Stewart, GA	SHEET 2 OF 2 SHEETS

'ATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV-ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	35					

Hole No. SC-M6

DRILLING LOG

DIVISION: South Atlantic	INSTALLATION: Fort Stewart, GA
	SHEET 1 OF 1 SHEETS
1. PROJECT: Fort Stewart RCRA Studies	10. SIZE AND TYPE OF BIT: 9"
2. LOCATION (Coordinates or Station): N686000.42 E662567.15	11. DATUM FOR ELEVATION SHOWN (USM or MSL): MSL
3. DRILLING AGENCY: Paul N. Clawson	12. MANUFACTURER'S DESIGNATION OF DRILL: SIMCO
4. HOLE NO. (As shown on drawing title and file number): SC-M6	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 0; UNDISTURBED 0
5. NAME OF DRILLER: Paul N. Clawson	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: 6.1' @ 24 hrs.
	16. DATE HOLE: STARTED 3/20/80; COMPLETED 3/24/80
7. THICKNESS OF OVERBURDEN	17. ELEVATION TOP OF HOLE: 71.55'
8. DEPTH DRILLED INTO ROCK: 0'	18. TOTAL CORE RECOVERY FOR BORING: %
9. TOTAL DEPTH OF HOLE: 30'	19. SIGNATURE OF INSPECTOR: Robert Chasey

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			Rust brown - clayey sand 4.0'			
	5		Buff-light grey - sandy clay clayey sand, sand mostly fine and makes up 30-70% of samples			
	10					
	15		16.0'			
	20		White-light grey - silty, sandy clay, few thin orange beds 23.5'			
	25		Fine to medium slightly clayey sand, clay 5% ± 28.0'			
	30		Dark grey - silty sandy clay, small muscovite flakes			

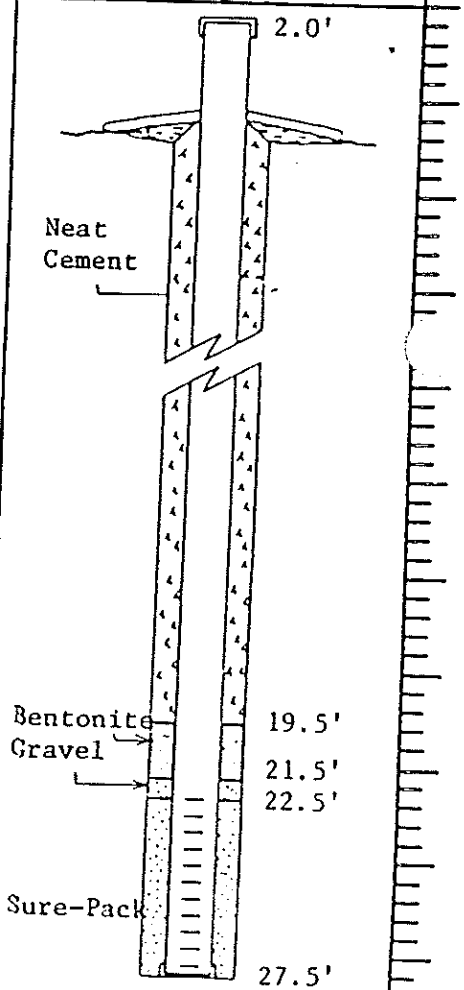


DIAGRAM NOT TO SCALE

very hard, dry

F-14

Hole No. SC-B5

DRILLING LOG

DIVISION: South Atlantic	INSTALLATION: Fort Stewart, GA
	SHEET 1 OF 2 SHEETS
1. PROJECT: Fort Stewart RCRA Studies	10. SIZE AND TYPE OF BIT: S.S. 1⅜" I.D., Bit 3 7/8"
2. LOCATION (Coordinates or Station): N. 688276.58 E. 622041.66	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: Pittsburgh Testing Laboratories	12. MANUFACTURER'S DESIGNATION OF DRILL: Acker AD2
4. HOLE NO. (As shown on drawing title and file number): SC-B5	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 10; UNDISTURBED 1
5. NAME OF DRILLER: Robert Prophet	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: 1.83' ATOB
	16. DATE HOLE: STARTED 2-6-80; COMPLETED 2-6-80
7. THICKNESS OF OVERBURDEN	17. ELEVATION TOP OF HOLE: 51.7'
8. DEPTH DRILLED INTO ROCK: 0'	18. TOTAL CORE RECOVERY FOR BORING: %
9. TOTAL DEPTH OF HOLE: 50'	19. SIGNATURE OF INSPECTOR: Robert Prophet

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			SP 10 YR 5/2 greyish brown slightly silty fine sand, poorly sorted		1	loose, moist — Blows/ft — pushed
	5		SP 10 YR 7/1 light grey, slightly silty fine sand, poorly sorted 7.75'		2	dense, moist, foul odor present — 31
	10		SC 2.5 Y 6/4; 2.5 Y 7/2 mixed light grey, light yellowish brown, very slightly silty clayey fine 12.5'		3	stiff, moist — 15
	15		SM 10 YR 8/1; 5 Y 6/2, mixed white and light olive grey, silty fine sand (17.5')		4	shelby tube — Pushed
	20		SM-SC 5 Y 6/1 grey clayey silty fine sand 24.0'		5	soft, moist — 4
	25		ML 5 Y 4/1 grey very slightly clayey very fine sandy silt 27.5'		6	very soft, moist — 1
	30		SM. 5 Y 5/2 olive grey slightly silty fine sand 32.5'		7	very stiff, moist — 24

DRILLING LOG (Cont Sheet) | ELEVATION TOP OF HOLE 51.7' | **Hole No.** SC-B5

PROJECT: Fort Stewart RCRA Studies | INSTALLATION: Fort Stewart, GA | SHEET 2 OF 2 SHEETS

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV. ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			32.5'			
	35		SM 5 Y 6/1 grey slightly silty fine sand		8	very stiff, moist 30
	40		SM 5 Y 5/2 olive grey slightly silty clayey fine sand 42.0'		9	hard, moist 42
	45		SP-SM 5 Y 5/2 olive grey silty micaceous medium to coarse sand 47.0'		10	hard, moist 51 difficult drilling
	50		SC-SM 5 Y 7/2 light grey clayey, silty fine to medium sand		11	hard, moist, 50/0.3 difficult drilling

Hole No. SC-B6

DRILLING LOG

DIVISION: South Atlantic

INSTALLATION: Fort Stewart

SHEET 1 OF 2 SHEETS

1. PROJECT: Fort Stewart RCRA Studies
2. LOCATION (Coordinates or Station): N. 687382.17
3. DRILLING AGENCY: Pittsburgh Testing Labortories
4. HOLE NO. (As shown on drawing title and file number): SC-B6
5. NAME OF DRILLER: Robert Prophet
6. DIRECTION OF HOLE: [X] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN:
8. DEPTH DRILLED INTO ROCK: 0'
9. TOTAL DEPTH OF HOLE: 50'
10. SIZE AND TYPE OF BIT: BS 1½" I.D., Bit 3 7/8"
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Acker AD2
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 10; UNDISTURBED
14. TOTAL NUMBER CORE BOXES:
15. ELEVATION GROUND WATER: 7.92' ATOB
16. DATE HOLE: STARTED 1-28-80; COMPLETED 1-30-80
17. ELEVATION TOP OF HOLE: 71.8'
18. TOTAL CORE RECOVERY FOR BORING: %
19. SIGNATURE OF INSPECTOR: Robert Hagan

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
			SP-SM 10 YR 7/2, 10 YR 7/6 mixed yellow, light grey very slightly clayey silty fine sand		1	loose, moist	blows/ft pushed
	5		SP-SM 2.5 Y 5/4, 10 YR 5/1, mixed grey; light olive brown, very slightly clayey silty fine sand, poorly sorted (7.5)		2	loose, moist	pushed
	10		No sample taken, solid waste cell 12.0'		(3)		
	15		SP 2.5 Y 7/4 pale yellow, slightly silty fine sand		4	very firm, moist foul odor	24
	20		SP 2.5 Y 7/4 pale yellow, slightly silty medium to coarse sand		5	firm, moist foul odor	pushed
	25		SP 2.5 Y 7/2 light grey, slightly silty fine sand, poorly sorted 27.5'		6	very loose, moist no odor	2
	30		SM 2.5 Y 8/2 white, very slightly clayey micaceous silty very fine sand 32.5'		7	hard, moist difficult drilling	7

F-17

DRILLING LOG (Cont Sheet) | ELEVATION TOP OF HOLE 71.8' | Hole No. SC-B6

PROJECT: Fort Stewart RCRA Studies | INSTALLATION: Fort Stewart, GA | SHEET 2 OF 2 SHEETS

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV. ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			32.5'			
	35		SM 2.5 Y 8/4 pale yellow very slightly clayey micaceous silty very fine sand		8	hard, moist, 75/0.33' difficult drilling
			37.0'			
	40		SC 5 Y 5/2 olive grey, very slightly silty clayey micaceous fine sand		9	hard, moist 49 difficult drilling
	45		SC 5 Y 5/1 grey, very slightly silty clayey micaceous fine sand		10	hard, moist 36 difficult drilling
	50		SC 5 Y 5/1 grey, very slightly silty clayey micaceous fine sand		11	hard, partially cemented, moist difficult drilling 37

Hole No. SC-B9

DRILLING LOG

DIVISION: South Atlantic	INSTALLATION: Fort Stewart, GA
	SHEET 1 OF 2 SHEETS
1. PROJECT: Fort Stewart RCRA Studies	10. SIZE AND TYPE OF BIT: S.S. 1½" I.D., Bit 3 7/8"
2. LOCATION (Coordinates or Station): N. 686343.38 E. 662077.47	11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
3. DRILLING AGENCY: Pittsburgh Testing Laboratories	12. MANUFACTURER'S DESIGNATION OF DRILL: Acker AD2
4. HOLE NO. (As shown on drawing title and file number): SC-B9	13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 11; UNDISTURBED
5. NAME OF DRILLER: Robert Prophet	14. TOTAL NUMBER CORE BOXES
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.	15. ELEVATION GROUND WATER: 8.75' ATOB
	16. DATE HOLE: STARTED 1-25-80; COMPLETED 1-25-80
7. THICKNESS OF OVERBURDEN	17. ELEVATION TOP OF HOLE: 69.8'
8. DEPTH DRILLED INTO ROCK: 0'	18. TOTAL CORE RECOVERY FOR BORING: %
9. TOTAL DEPTH OF HOLE: 50'	19. SIGNATURE OF INSPECTOR: Robert Prophet

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			SP 10 YR 6/6 brownish yellow slightly silty fine sand, poorly sorted		1	very loose, dry Blows/ft oily pushed
	5		SP 2.5 Y 6/4 light yellowish brown, slightly silty fine sand, poorly sorted		2	loose, moist 9 oil present in mud pit
	10		SP 10 YR 2/2 very dark brown very slightly silty fine sand, poorly sorted		3	firm, moist 11 foul odor - oily
	15		SP 10 YR 2/1 black silty very fine sand, poorly sorted 18.0'		4	firm moist 21 no odor or oil present
	20		SM 10 YR 6/2 light brownish grey clayey silty fine sand		5	stiff, moist 14
	25		SM 10 YR 5/2 greyish brown silty fine sand 27.0'		6	stiff, moist 9
	30		SM-SP 10 YR 5/2 greyish brown, silty fine sand, poorly sorted 32.5'		7	very loose, moist 1

DRILLING LOG (Cont Sheet)

ELEVATION TOP OF HOLE: 69.8'

PROJECT: Fort Stewart RCRA Studies

INSTALLATION: Fort Stewart, GA

Hole No. SC-B9

SHEET 2 OF 2 SHEETS

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV-ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g	
			32.5'				
	35		SG-SM 10 YR white, silty, clayey micaceous very fine sand		8	hard, moist, oily	65
			(37.5')				
	40		SM 5 Y 6/3 pale olive, very slightly clayey silty micaceous fine sand		9	hard, moist, difficult drilling	44
	45		SM 5 Y 6/3 pale olive, very slightly clayey silty micaceous fine sand		10	hard, partially cemented, moist difficult drilling	54
			(47.5')				
	50		SM-SC 5 Y 6/2 light olive grey very slightly clayey silty fine sand		11	hard, moist difficult drilling	54

Hole No. SC-311

DRILLING LOG	DIVISION	INSTALLATION	SHEET
	South Atlantic	Fort Stewart, GA	1 OF 2 SHEETS

1. PROJECT: Fort Stewart RCRA Studies
2. LOCATION (Coordinates or Station): N. 687186.82 E. 662733.11
3. DRILLING AGENCY: Pittsburgh Testing Laboratories
4. HOLE NO. (As shown on drawing title and file number): SC-B11
5. NAME OF DRILLER: Robert Prophet
6. DIRECTION OF HOLE: [XX] VERTICAL [ ] INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN
8. DEPTH DRILLED INTO ROCK: 0'
9. TOTAL DEPTH OF HOLE: 50'
10. SIZE AND TYPE OF BIT: S.S. 1¼" I.D., Bit 3 7/8"
11. DATUM FOR ELEVATION SHOWN (MSL or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Acker AD2
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 8; UNDISTURBED 1
14. TOTAL NUMBER CORE BOXES
15. ELEVATION GROUND WATER: 7.50' ATOB
16. DATE HOLE: STARTED 2-5-80; COMPLETED 2-5-80
17. ELEVATION TOP OF HOLE: 70.26'
18. TOTAL CORE RECOVERY FOR BORING: %
19. SIGNATURE OF INSPECTOR: Robert Greeson

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc.) if significant g	Blows/ft
	5		No samples taken solid waste cell 7.0'		(1)		
					(2)		
	10		SM 10 YR 6/8 brownish yellow very slightly clayey fine to medium silty sand, poorly sorted		3	firm, moist	11
	15		SM 5 Y 7/4, 5 Y 8/2 mixed pale yellow and white, silty fine sand (17.5')		4	shelby tube	pushed
	20		SP-SM 10 YR 7/1 light grey very slightly clayey silty fine sand (22.5')		5	firm, moist	7
	25		SM 10 YR 7/2 light grey very slightly clayey silty fine to medium sand (27.5')		6	loose, moist	3
	30		SP-SM 10 YR 6/1 light grey silty micaceous fine to medium sand (32.5')		7	firm, moist	9

DRILLING LOG (Cont Sheet) | ELEVATION TOP OF HOLE 70.26' | Hole No. SC-B11

PROJECT: Fort Stewart RCRA Studies | INSTALLATION: Fort Stewart, GA | SHEET 2 OF 2 SHEETS

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			(32.5')			
	35		SM 2.5 YR 7/4 pale yellow slightly silty micaceous fine sand		8	hard, dry, cemented, difficult drilling 28/0.17'
	40		SM 5 Y 6/3 pale olive slightly silty micaceous fine sand		9	hard, dry, partially cemented difficult drilling 50/0.75'
	45		SM 5 Y 5/2 olive grey, very slightly clayey silty micaceous fine sand		10	hard, dry, partially cemented, difficult drilling 42
	50		SM 5 Y 5/1 grey, very slightly clayey silty fine sand		11	hard, dry, partially cemented, difficult drilling 50/0.92'

Hole No. SC-B16

DRILLING LOG	DIVISION	INSTALLATION	SHEET 1 OF 2 SHEETS
	South Atlantic	Fort Stewart, GA	

1. PROJECT: Fort Stewart RCRA Studies
2. LOCATION (Coordinates or Station): N. 686806.71 E. 663435.00
3. DRILLING AGENCY: Pittsburgh Testing Laboratories
4. HOLE NO. (As shown on drawing title and file number): SC-B16
5. NAME OF DRILLER: Robert Prophet
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN:
8. DEPTH DRILLED INTO ROCK: 0'
9. TOTAL DEPTH OF HOLE: 50'
10. SIZE AND TYPE OF BIT: S.S. 1½" I.D., Bit 3 7/8"
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Acker AD2
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED 10; UNDISTURBED 1
14. TOTAL NUMBER CORE BOXES:
15. ELEVATION GROUND WATER: 10.17' ATOB
16. DATE HOLE: STARTED 2-1-80; COMPLETED 2-1-80
17. ELEVATION TOP OF HOLE: 66.34'
18. TOTAL CORE RECOVERY FOR BORING: %
19. SIGNATURE OF INSPECTOR: Robert Prophet

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			SP 10 YR 4/2 dark greyish brown silty fine sand, poorly sorted 2.0'		1	loose, moist blows/ft pushed
	5		SP-SM 7.5 YR 4/2 dark brown silty fine sand 7.0'		2	loose, moist 6
	10		SP 7.5 YR 3/2 dark brown silty fine sand 12.0'		3	very stiff, moist 26
	15		SC-SM 5 Y 6/2 light olive grey clayey, silty fine sand		4	firm, moist 5
	20		SC-SM 2.5 Y 7/2, 5 Y 6/1 mixed light grey and grey silty, clayey fine sand (22.5')		5	shelby tube pushed
	25		SM 5 Y 6/1 grey clayey, silty very fine sand 26.5'		6	stiff, moist 7
	30		SP-SM 5 YR 5/1 grey very slightly clayey, silty micaceous fine to medium sand (32.5')		7	stiff, moist 5 difficult drilling

F-23

DRILLING LOG (Cont Sheet)

ELEVATION TOP OF HOLE: 66.34'

Hole No. SC-B16

PROJECT: Fort Stewart RCRA Studies

INSTALLATION: Fort Stewart, GA

SHEET 2 OF 2 SHEETS

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			SM (32.5')			
	35		~~SC-SM~~ 5 Y 5/3 olive clayey silty micaceous fine sand		8	hard, moist difficult drilling 53
			37.5'			
	40		SP-SM 5 Y 5/1 grey very slightly clayey, silty micaceous fine sand		9	hard, partially cemented, moist difficult drilling 50/0.33'
			(42.5')			
	45		SP 5 Y 5/3 olive very slightly silty micaceous fine sand		10	hard, moist difficult drilling 34
			(47.5')			
	50		SC 5 Y 6/2 light olive grey very slightly silty, clayey micaceous fine sand, slight amount of coarse sand		11	hard, moist difficult drilling 50/0.42

Hole No. NMW-1

DRILLING LOG

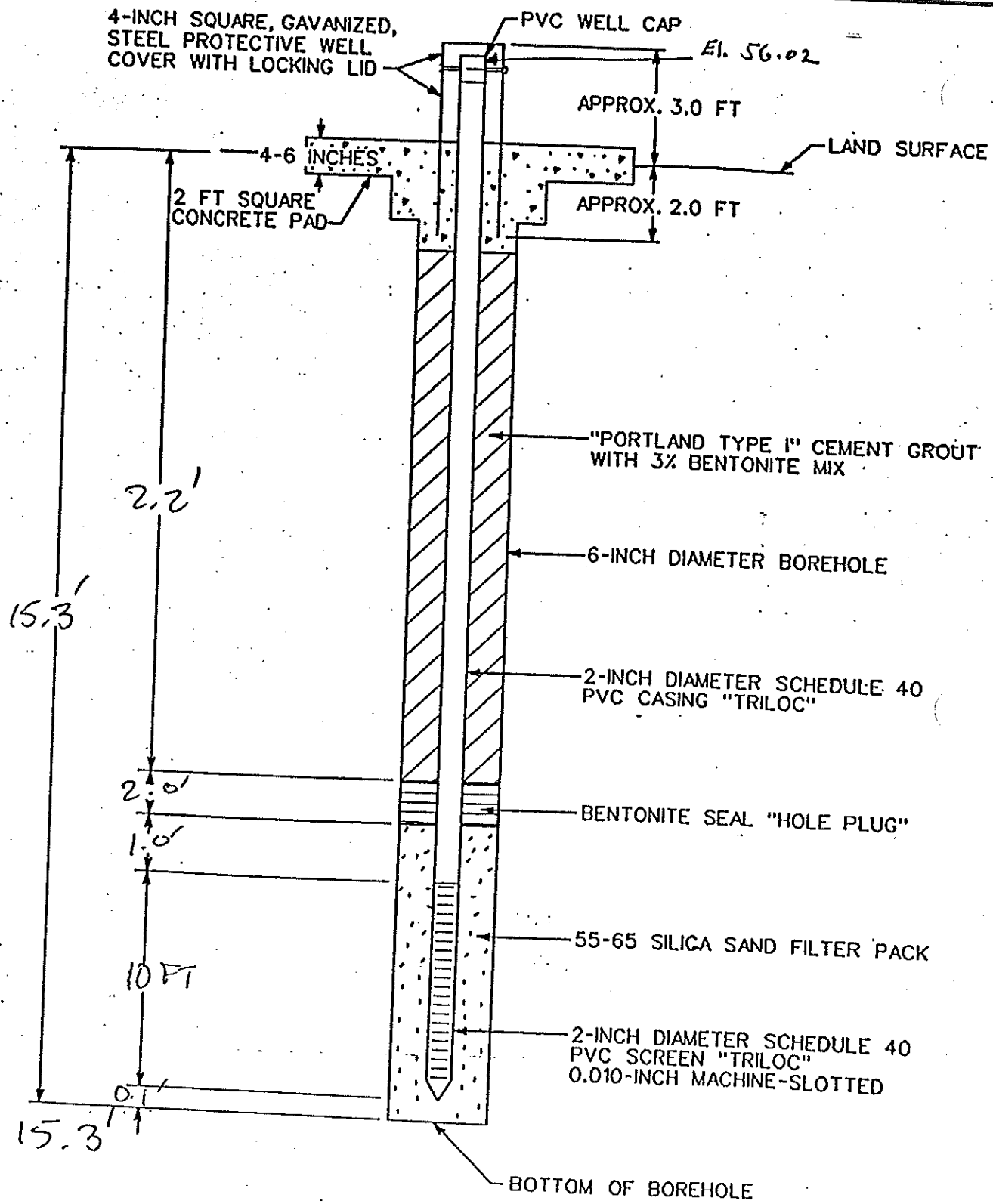
DIVISION: South Atlantic

INSTALLATION: Ft. Stewart, Ga

SHEET 1 OF 1 SHEETS

1. PROJECT: Monitoring Well Installation
2. LOCATION (Coordinates or Station): South Central Landfill, Inert Facility
3. DRILLING AGENCY: Savannah District
4. HOLE NO. (As shown on drawing title and file number): NMW-1
5. NAME OF DRILLER: Douglas LaRoche
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 15.0'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 15.0'
10. SIZE AND TYPE OF BIT: 4" Spiral Auger; 6x10 Hollow Stem Auger
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Failing 1500
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED -0- UNDISTURBED -0-
14. TOTAL NUMBER CORE BOXES: N/A
15. ELEVATION GROUND WATER: See Remarks
16. DATE HOLE: STARTED 14 Jul 93 COMPLETED 14 Jul 93
17. ELEVATION TOP OF HOLE: 58.4
18. TOTAL CORE RECOVERY FOR BORING: N/A
19. SIGNATURE OF INSPECTOR: Gerald Black

ELEVATION a	DEPTH 0' b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			(SM) Light Gray, Dk Brown, Fine silty sand			
	2'		(SC) Dark Brown, Black clayey sand; wl wood			Note: Groundwater encountered at 6.0' during excavation.
	4'					
	6'		(SM) Tan, Beige, to Dark Brown, Blue silty sand. Light gray, blue to medium moist			
			(SC) Light gray clayey sand			
	8'					
			(CL) Dark to Light gray, Dark Brown lean Clay			
	10'					
	12'					
			(SM) Light Gray medium to coarse silty sand; wet			
	14'		(CL) Lt. gray, yellow lean clay			
			(SM) Orange to light yellow,			



NOTE: AFTER WELL INSTALLATION AND REMOVAL OF PVC WELL CAP, WATER LEVEL MEASURED AT FT FROM TOP OF CASING. CONSTRUCTION DIAGRAM NOT TO SCALE

Ft Stewart So. Central Fund 674
F-36

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

MONITOR WELL NMW-1
CONSTRUCTION DIAGRAM

Hole No. NMW-2

DRILLING LOG	DIVISION: South Atlantic	INSTALLATION: Ft Stewart, Ga	SHEET 1 OF 2 SHEET
1. PROJECT: Monitoring Well Installation		10. SIZE AND TYPE OF BIT: 4" Spiral auger; 6X10 Hollow	
2. LOCATION (Coordinates or Station): So. Central Inert Landfill Facility		11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL	Stem Elev
3. DRILLING AGENCY: Savannah District		12. MANUFACTURER'S DESIGNATION OF DRILL: Failing 1500	
4. HOLE NO. (As shown on drawing title and file number): NMW-2		13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED -0-	UNDISTURBED -0-
5. NAME OF DRILLER: Douglas LaRoche		14. TOTAL NUMBER CORE BOXES: N/A	
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.		15. ELEVATION GROUND WATER	
		16. DATE HOLE: STARTED 14 Jul 93	COMPLETED 14 Jul 93
7. THICKNESS OF OVERBURDEN: 25.0'		17. ELEVATION TOP OF HOLE	
8. DEPTH DRILLED INTO ROCK: —		18. TOTAL CORE RECOVERY FOR BORING: N/A	
9. TOTAL DEPTH OF HOLE: 25.0'		19. SIGNATURE OF INSPECTOR: Gerald Blaelock	

ELEVATION a	DEPTH 0' b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
			(SM) Tan, light yellow, medium silty sand			
			Black, Dk Brown, fine to medium			
	2'		moist			Note: No Groundwater encountered during excavation.
	4'					Note: Boring backfilled after excavation and soil visually classified.
	6'					
			Darker			
	8'					
	10'		(CL) Dark Brown, light gray, lean clay			
	12'		Very light gray, w/ some dark brown			
	14'		Very light gray, green w/			

DRILLING LOG (Cont Sheet) | ELEVATION TOP OF HOLE | Hole No. NMW-2

PROJECT: Monitoring Well Installation | INSTALLATION: Ft. Stewart, Ga. | SHEET 2 OF 2 SHEETS

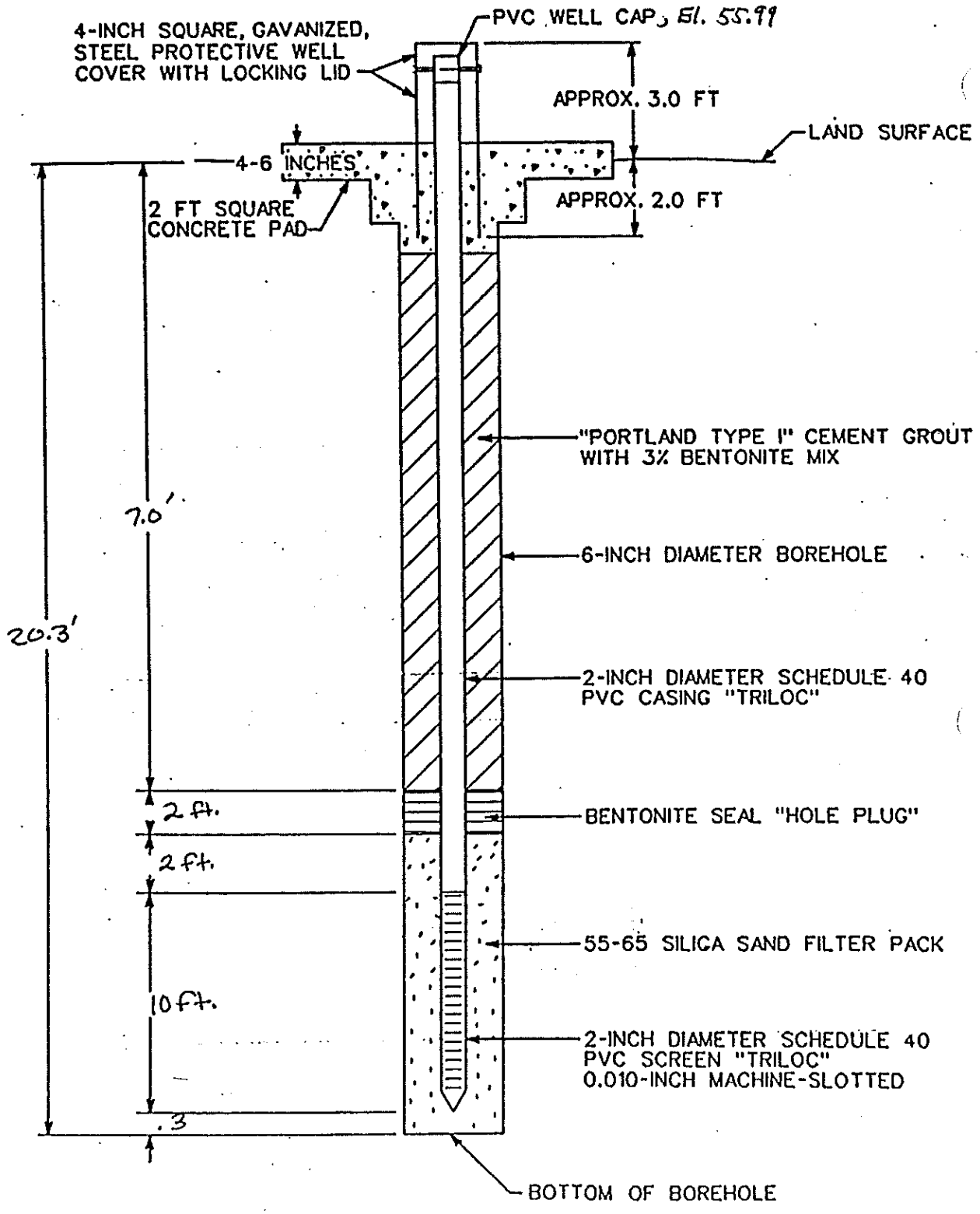
ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOV-ERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, ... of weathering, etc., if significant) g
	16'		(SC) Very light Gray, Green w/ Yellow, light Blue clayey sand			
	18'		(CL) Very Light Gray Lean Clay			
	20'		Light Olive Green to Light Gray			
	22'					
	24'					
			Bottom of Boring @ 25.0'			

Hole No. NMW-2

DRILLING LOG	DIVISION	INSTALLATION	SHEET
	South Atlantic	Fort Stewart, Ga	1 OF 1 SHEET

1. PROJECT: Monitoring Well Installation
2. LOCATION (Coordinates or Station): South Central Landfill; Inert Facility
3. DRILLING AGENCY: Savannah District
4. HOLE NO. (As shown on drawing title and file number): NMW-2A
5. NAME OF DRILLER: Douglas LaRoche
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 20.3'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 20.3'
10. SIZE AND TYPE OF BIT: 4¼" Solid Auger; 6x10 Hollow Stem
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Failing 1500
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED -0-; UNDISTURBED -0-
14. TOTAL NUMBER CORE BOXES: N/A
15. ELEVATION GROUND WATER: See Remarks
16. DATE HOLE: STARTED 15 Sep 93; COMPLETED 16 Sep 93
17. ELEVATION TOP OF HOLE: ~~55.79~~ 53.0
18. TOTAL CORE RECOVERY FOR BORING: N/A
19. SIGNATURE OF INSPECTOR: Gerald Black

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0'		(SC) Light to Dark Gray clayey sand			Note: Groundwater detected at 14.3'
	5'		(SM) Light to Dark Gray medium to coarse silty sand moist			
			(SC) Dark Gray, Brown, tan clayey sand			
	10'		(CL) Light Gray to white lean clay			
			Olive, Light Gray			
			Olive			
	15'		Olive, Light Gray			
	20'		Bottom of Boring @ 20.3'			



Ft Stewart So. Central Landfill
Nonputricible Site

NOTE: AFTER WELL INSTALLATION AND REMOVAL OF PVC WELL CAP, WATER LEVEL MEASURED AT FT FROM TOP OF CASING. CONSTRUCTION DIAGRAM NOT TO SCALE.

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

MONITOR WELL NMW-2A
CONSTRUCTION DIAGRAM

Hole No. NMW-3

DRILLING LOG

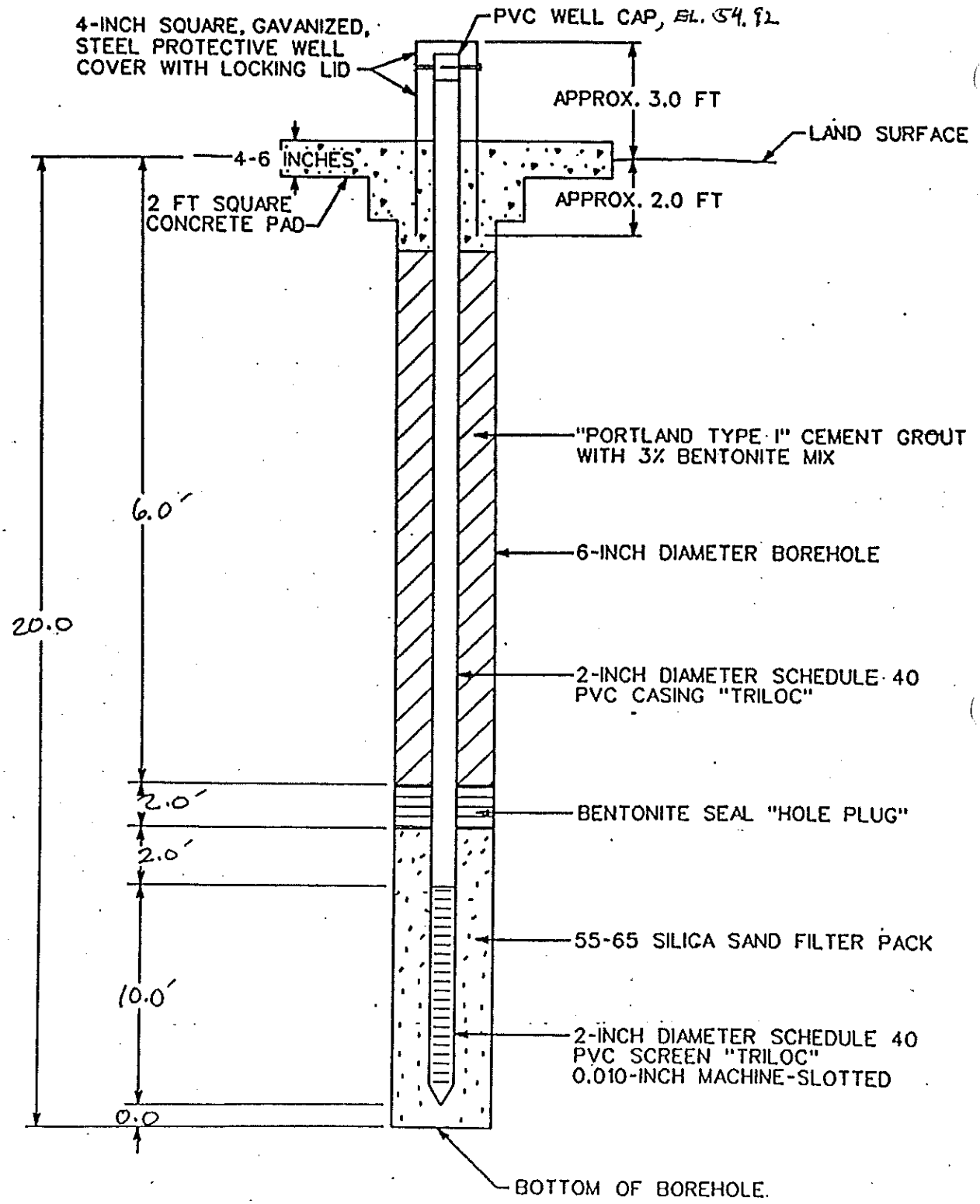
DIVISION: South Atlantic

INSTALLATION: Ft. Stewart, Ga

SHEET 1 OF SHEET

1. PROJECT: Monitoring Well Installation
2. LOCATION (Coordinates or Station): South Central Landfill; Inert Facility
3. DRILLING AGENCY: Savannah District
4. HOLE NO. (As shown on drawing title and file number): NMW-3
5. NAME OF DRILLER: Douglas LaRouche
6. DIRECTION OF HOLE: ☒ VERTICAL ☐ INCLINED _____ DEG. FROM VERT.
7. THICKNESS OF OVERBURDEN: 20.0'
8. DEPTH DRILLED INTO ROCK: —
9. TOTAL DEPTH OF HOLE: 20.0'
10. SIZE AND TYPE OF BIT: 4" Spiral Auger; 6x10 Hollow Stem auger
11. DATUM FOR ELEVATION SHOWN (TBM or MSL): MSL
12. MANUFACTURER'S DESIGNATION OF DRILL: Failing 1500
13. TOTAL NO. OF OVER-BURDEN SAMPLES TAKEN: DISTURBED -0-; UNDISTURBED -0-
14. TOTAL NUMBER CORE BOXES: N/A
15. ELEVATION GROUND WATER: See Remarks
16. DATE HOLE: STARTED 15 Jul 93; COMPLETED 15 Jul 93
17. ELEVATION TOP OF HOLE: ~~54.82~~ 51.9
18. TOTAL CORE RECOVERY FOR BORING: N/A
19. SIGNATURE OF INSPECTOR: Gerald Black

ELEVATION a	DEPTH b	LEGEND c	CLASSIFICATION OF MATERIALS (Description) d	% CORE RECOVERY e	BOX OR SAMPLE NO. f	REMARKS (Drilling time, water loss, depth of weathering, etc., if significant) g
	0'		(SM) Tan, Dark Brown, Fine silty sand			Note: Groundwater encountered at 13.1' during excavation
			(SC) Lt. to Dk. Gray, Dk. Brown, Tan clayey sand			
			(CL) Tan, Brown Lean Clay			
	5'		Tan, Light Gray			
			Light Gray			
	10'		Olive			
	15'		Gray			
	20'		Bottom of Boring @ 20.0'			



FORT STEWART SO. CENTRAL LANDFILL
NON PUTRICBLE SITE

NOTE: AFTER WELL INSTALLATION AND REMOVAL OF PVC WELL CAP, WATER LEVEL MEASURED AT FT FROM TOP OF CASING. CONSTRUCTION DIAGRAM NOT TO SCALE.

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

MONITOR WELL NMW-3
CONSTRUCTION DIAGRAM

James H. Carr & Associates, Inc.

Office & Laboratories
P.O. Box 90209
Columbia, SC 29290
(803) 776-7789
(800) 435-3995

01/31/94

Ms. Toni Nicholson
US Army Engr. Dist., Sav.
P.O. Box 889
Savannah, GA 31402

Dear Ms. Nicholson:

The following are the results of the parameters you requested we check on your FST-001 samples listed below.

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/19/93 In House # 07-4471-93 Source: SCM1-7-93 Location: FT.STEWART							
Metals Sample Preparation - water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - water extraction	MR	07/23/93	08:00	0.000		0.00	
PCB - water extraction	MR	07/23/93	08:00	0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00	3.800	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	12:37	< 5.000	ug/l	5.00 ug/l	206.2
Selenium - liquid	CW	08/06/93	02:52	< 5.000	ug/l	5.00 ug/l	270.2
Barium - liquid	CMP	08/11/93	15:08	0.090	mg/l	0.05 mg/l	200.7
Cadmium - liquid	CMP	08/11/93	15:08	< 0.020	mg/l	0.01 mg/l	200.7
Chromium - liquid	CMP	08/11/93	15:08	< 0.050	mg/l	0.05 mg/l	200.7
Lead - liquid	CW	08/06/93	19:27	16.000	ug/l	5.00 ug/l	239.2
Silver - liquid	CMP	08/11/93	15:08	< 0.050	mg/l	0.05 mg/l	200.7
Mercury - liquid	KAH	08/05/93	10:0	< 0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93	09:40	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	07/30/93	09:40	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93	09:40	< 5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
Aldrin - liquid	RMK	08/23/93	13:50	0.045	ug/l	0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/23/93	13:50	0.068	ug/l	0.02 ug/l	608.
Beta BHC - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608.
Delta BHC - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
4,4-DDE - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/23/93	13:50	< 0.200	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/23/93	13:50	< 0.040	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/23/93	13:50	< 1.000	ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/23/93	13:50	< 4.000	ug/l	2.00 ug/l	608.0
Chloroethane - liquid	KG	07/30/93	09:40	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	07/30/93	09:40	< 10.000	ug/l	10.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/19/93 In House # 07-4471-93		Source: SCM1-7-93		Location: FT.STEWART			
		- CONTINUED -					
Methyl bromide - liquid	KG	07/30/93 09:40	<	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	07/30/93 09:40	<	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	07/30/93 09:40	<	10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	07/30/93 09:40	<	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	07/30/93 09:40	<	5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	KG	07/30/93 09:40	<	15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	KG	07/30/93 09:40	<	12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	07/30/93 09:40	<	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	07/30/93 09:40	<	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	07/30/93 09:40	<	10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 13:27. For Pest/PCB analyses: due to extensive interferences present in this sample, an elevated detetection limit has been provided (DL X 2).

Sample Date: 07/15/93 In House # 07-4472-93		Source: SCM2-7-93		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93 18:00		0.000		0.00	
Pesticide - water extraction	MR	07/23/93 08:00		0.000		0.00	
PCB - water extraction	MR	07/23/93 08:00		0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93 12:00		8.500	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93 12:46		14.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93 02:58		7.200	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93 15:12		0.390	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93 15:12		0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93 15:12		0.220	mg/l	0.05 mg/l	200.7
Lead - Liquid	CW	08/06/93 19:40		220.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93 15:12	<	0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93 10:00		0.230	ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	07/30/93 11:35	<	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93 11:35	<	5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
Aldrin - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/23/93 14:29		0.056	ug/l	0.02 ug/l	608.
Beta BHC - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608.
Delta BHC - liquid	RMK	08/23/93 14:29		0.033	ug/l	0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
4,4-DDE - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/15/93 In House # 07-4472-93		Source: SCM2-7-93		Location: FT.STEWART			
		- CONTINUED -					
B-Endosulfan - liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/23/93 14:29	<	0.100	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/23/93 14:29	<	0.020	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/23/93 14:29	<	0.500	ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/23/93 14:29	<	2.000	ug/l	2.00 ug/l	608.0
Chloroethane - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	07/30/93 09:35	<	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	07/30/93 09:35	<	5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	KG	07/30/93 09:35	<	15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	KG	07/30/93 09:35	<	12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	07/30/93 09:35	<	10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 11:35.

Sample Date: 07/15/93 In House # 07-4473-93		Source: SEECOMMENT		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93 18:00		0.000		0.00	
Pesticide - water extraction	MR	07/23/93 08:00		0.000		0.00	
PCB - water extraction	MR	07/23/93 08:00		0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93 12:00		8.900	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93 12:46		13.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93 03:05		7.100	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93 15:16		0.290	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93 15:16	<	0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93 15:16		0.150	mg/l	0.05 mg/l	200.7
Lead - Liquid	CW	08/06/93 19:53		220.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93 15:16	<	0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93 10:00		0.260	ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93 09:38	<	10.000	ug/l	10.00 ug/l	624.

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/15/93 In House # 07-4473-93		Source: SEECOMMENT		Location: FT.STEWART			
		- CONTINUED -					
2-Hexanone - Liquid	KG	07/30/93	09:38	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93	09:38	< 5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
Aldrin - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608.
Alpha BHC - Liquid	RMK	08/23/93	15:07	0.059	ug/l	0.02 ug/l	608.
Beta BHC - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608.
Delta BHC - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608.
Gamma BHC - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608.
4,4-DDT - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
4,4-DDE - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608
4,4-DDD - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
Dieldrin - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608
A-Endosulfan - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608
B-Endosulfan - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
Endosulfan Sulfate - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
Endrin Aldehyde - Liquid	RMK	08/23/93	15:07	< 0.200	ug/l	0.10 ug/l	608
Heptachlor - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608
Heptachlor Epoxide - Liquid	RMK	08/23/93	15:07	< 0.040	ug/l	0.02 ug/l	608
PCB-1242 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
PCB-1254 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
PCB-1221 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
PCB-1232 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
PCB-1248 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
PCB-1260 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
PCB-1016 - Liquid	RMK	08/23/93	15:07	< 1.000	ug/l	0.50 ug/l	608
Toxaphene - Liquid	RMK	08/23/93	15:07	< 4.000	ug/l	2.00 ug/l	608.0
Chloroethane - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Benzene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Bromoform - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Toluene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Chloroform - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624
Xylene - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624
Acetone - Liquid	KG	07/30/93	09:38	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - Liquid	KG	07/30/93	09:38	< 5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - Liquid	KG	07/30/93	09:38	< 15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - Liquid	KG	07/30/93	09:38	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - Liquid	KG	07/30/93	09:38	< 10.000	ug/l	10.00 ug/l	8240

Comments:
Client sample ID (SCM2-DUP-7-93)

The volatile run was initiated at 12:32. For Pest/PCB: due to extensive interferences present in this sample, an

elevated detection limit has been provided (DL X 2).

Sample Date: 07/15/93 In House # 07-4474-93 Source: SCM3-7-93 Location: FT.STEWART

Metals Sample Preparation - water	JAG	08/05/93	18:00		0.000	0.00	
Pesticide - water extraction	MR	07/23/93	08:00		0.000	0.00	
PCB - water extraction	MR	07/23/93	08:00		0.000	0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00		3.200 pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	13:05		12.000 ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	03:11	<	5.000 ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	15:20		0.180 mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93	15:20	<	0.020 mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	15:20		0.100 mg/l	0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93	03:10		28.000 ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/13/93	12:56	<	0.050 mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00	<	0.200 ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93	09:39	<	10.000 ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	07/30/93	09:39	<	50.000 ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93	09:39	<	5.000 ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
Aldrin - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608.
Beta BHC - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608.
Delta BHC - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
4,4-DDE - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/23/93	15:46	<	0.100 ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/23/93	15:46	<	0.020 ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/23/93	15:46	<	0.500 ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/23/93	15:46	<	2.000 ug/l	2.00 ug/l	608.0
Chloroethane - liquid	KG	07/30/93	09:39	<	10.000 ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	07/30/93	09:39	<	10.000 ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	07/30/93	09:39	<	10.000 ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	07/30/93	09:39	<	10.000 ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Benzene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Bromoform - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Toluene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Chloroform - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	07/30/93	09:39	<	5.000 ug/l	5.00 ug/l	624
Xylene - liquid	KG	07/30/93	09:39	<	10.000 ug/l	10.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/15/93 In House # 07-4474-93		Source: SCM3-7-93		Location: FT.STEWART			
		- CONTINUED -					
Acetone - liquid	KG	07/30/93	09:39 <	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	07/30/93	09:39 <	5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	KG	07/30/93	09:39 <	15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	KG	07/30/93	09:39 <	12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	07/30/93	09:39 <	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	07/30/93	09:39 <	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	07/30/93	09:39 <	10.000	ug/l	10.00 ug/l	8240
Comments:							
The volatile run was initiated at 13:00.							
Sample Date: 07/19/93 In House # 07-4475-93		Source: SCM4-7-93		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - water extraction	MR	07/23/93	08:00	0.000		0.00	
PCB - water extraction	MR	07/23/93	08:00	0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00	5.000	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	13:40	9.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	03:44	5.200	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	15:24	0.370	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93	15:24	0.030	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	15:24	0.120	mg/l	0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93	03:19	79.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/13/93	12:58 <	0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00 <	0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	07/30/93	09:44 <	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93	09:44 <	5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	16:25 <	0.100	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	16:25 <	0.100	ug/l	0.10 ug/l	608
Aldrin - liquid	RMK	08/23/93	16:25	0.037	ug/l	0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/23/93	16:25	0.061	ug/l	0.02 ug/l	608.
Beta BHC - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608.
Delta BHC - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/23/93	16:25	0.029	ug/l	0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/23/93	16:25 <	0.100	ug/l	0.10 ug/l	608
4,4-DDE - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/23/93	16:25 <	0.100	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/23/93	16:25 <	0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/23/93	16:35 <	0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/23/93	16:25 <	0.100	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/23/93	16:25 <	0.020	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/23/93	16:25 <	0.500	ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/23/93	16:25 <	2.000	ug/l	2.00 ug/l	608.0
Chloroethane - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/19/93 In House # 07-4475-93		Source: SCM4-7-93		Location: FT.STEWART			
		- CONTINUED -					
Trichloroethene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	07/30/93	09:44 <	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	07/30/93	09:44 <	5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	KG	07/30/93	09:44 <	15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	KG	07/30/93	09:44 <	12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	07/30/93	09:44 <	10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 14:12.

Sample Date: 07/20/93 In House # 07-4476-93		Source: SCM5-7-93		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - water extraction	MR	07/23/93	08:00	0.000		0.00	
PCB - water extraction	MR	07/23/93	08:00	0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00	2.800	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	14:03 <	5.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	04:07 <	5.000	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	15:28	0.100	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93	15:28 <	0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	15:28 <	0.050	mg/l	0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93	03:28	34.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93	15:28 <	0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00 <	0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93	09:45 <	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	07/30/93	09:45 <	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93	09:45 <	5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
Aldrin - liquid	RMK	08/23/93	17:04	0.107	ug/l	0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608.
Beta BHC - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608.
Delta BHC - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
4,4-DDE - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/23/93	17:04 <	0.100	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/23/93	17:04	0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/23/93	17:04 <	0.020	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/23/93	17:04 <	0.500	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/23/93	17:04 <	0.500	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/23/93	17:04 <	0.500	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/23/93	17:04 <	0.500	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/23/93	17:04 <	0.500	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/23/93	17:04 <	0.500	ug/l	0.50 ug/l	608

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/20/93 In House # 07-4476-93		Source: SCM5-7-93		Location: FT.STEWART			
		- CONTINUED -					
PCB-1016 - liquid	RMK	08/23/93 17:04	<	0.500 ug/l		0.50 ug/l	608
Toxaphene - liquid	RMK	08/23/93 17:04	<	2.000 ug/l		2.00 ug/l	608.0
Chloroethane - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624
Methyl chloride - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624
Methyl bromide - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624
Vinyl chloride - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624
Methylene Chloride - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Bromodichloromethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Trichloroethene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Chlorodibromomethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Benzene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Bromoform - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Tetrachloroethene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Toluene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Chlorobenzene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Ethylbenzene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Chloroform - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624
Xylene - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624
Acetone - liquid	KG	07/30/93 09:45	<	20.000 ug/l		20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	07/30/93 09:45	<	5.000 ug/l		5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	KG	07/30/93 09:45	<	15.000 ug/l		15.00 ug/l	624.
Trichlorofluoromethane - liquid	KG	07/30/93 09:45	<	12.000 ug/l		12.00 ug/l	624.
2- Butanone - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	624.
Vinyl Acetate - liquid	KG	07/30/93 09:45	<	10.000 ug/l		10.00 ug/l	8240

Comments:
The volatile run was initiated at 14:41.

Sample Date: 07/20/93 In House # 07-4477-93		Source: SCM6-7-93		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93 18:00		0.000		0.00	
Pesticide - water extraction	MR	07/23/93 08:00		0.000		0.00	
PCB - water extraction	MR	07/23/93 08:00		0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93 12:00		1.600 pCi/l		0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93 14:09	<	5.000 ug/l		5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93 04:13	<	5.000 ug/l		5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93 15:40		0.060 mg/l		0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93 15:40	<	0.020 mg/l		0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93 15:40	<	0.050 mg/l		0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93 03:37		20.000 ug/l		5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93 15:40	<	0.050 mg/l		0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93 10:00	<	0.200 ug/l		0.20 ug/l	245.1
Carbon Disulfide - liquid	KG	07/30/93 13:04	<	10.000 ug/l		10.00 ug/l	624.
2-Hexanone - Liquid	KG	07/30/93 18:43	<	50.000 ug/L		50.00 ug/L	8240
Styrene - Liquid	KG	07/30/93 18:43	<	5.000 ug/L		5.00 ug/L	8240
Endrin - Liquid	RMK	08/25/93 03:36	<	0.100 ug/l		0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/25/93 03:36	<	0.100 ug/l		0.10 ug/l	608
Aldrin - liquid	RMK	08/25/93 03:36	<	0.020 ug/l		0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/25/93 03:36	<	0.020 ug/l		0.02 ug/l	608.
Beta BHC - liquid	RMK	08/25/93 03:36	<	0.020 ug/l		0.02 ug/l	608.
Delta BHC - liquid	RMK	08/25/93 03:36	<	0.020 ug/l		0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/25/93 03:36	<	0.020 ug/l		0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/25/93 03:36	<	0.100 ug/l		0.10 ug/l	608
4,4-DDE - liquid	RMK	08/25/93 03:36	<	0.020 ug/l		0.02 ug/l	608

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/20/93 In House # 07-4477-93		Source: SCM6-7-93		Location: FT.STEWART			
		- CONTINUED -					
4,4-DDD - liquid	RMK	08/25/93	03:36	< 0.100	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/25/93	03:36	< 0.020	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/25/93	03:36	< 0.020	ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/25/93	03:36	< 0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/25/93	03:36	< 0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/25/93	03:36	< 0.100	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/25/93	03:36	< 0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/25/93	03:36	< 0.020	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/25/93	03:36	< 0.500	ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/25/93	03:36	< 2.000	ug/l	2.00 ug/l	608.0
Chloroethane - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	07/30/93	13:04	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	07/30/93	13:04	< 5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	KG	07/30/93	13:04	< 15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	KG	07/30/93	13:04	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	07/30/93	13:04	11.200	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	07/30/93	13:04	< 10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 18:43.

Sample Date: 07/20/93 In House # 07-4478-93		Source: SEECOMMENT		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - water extraction	MR	07/23/93	08:00	0.000		0.00	
PCB - water extraction	MR	07/23/93	08:00	0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00	< 0.710	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	14:15	< 5.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	04:20	< 5.000	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	15:44	< 0.050	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93	15:44	< 0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	15:44	< 0.050	mg/l	0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93	03:43	< 5.000	ug/l	5.00 ug/l	239.2

Sample Date: 07/20/93 In House # 07-4478-93 Source: SEECOMMENT Location: FT.STEWART

- CONTINUED -

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Silver - Liquid	CMP	08/11/93	15:44 <	0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00 <	0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - Liquid	KG	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	08/12/93	23:47 <	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	08/12/93	23:47 <	5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
Aldrin - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608.
Alpha BHC - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608.
Beta BHC - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608.
Delta BHC - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608.
Gamma BHC - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608.
4,4-DDT - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
4,4-DDE - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608
4,4-DDD - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
Dieldrin - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608
A-Endosulfan - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608
B-Endosulfan - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - Liquid	RMK	08/23/93	20:18 <	0.100	ug/l	0.10 ug/l	608
Heptachlor - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - Liquid	RMK	08/23/93	20:18 <	0.020	ug/l	0.02 ug/l	608
PCB-1242 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
PCB-1254 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
PCB-1221 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
PCB-1232 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
PCB-1248 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
PCB-1260 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
PCB-1016 - Liquid	RMK	08/23/93	20:18 <	0.500	ug/l	0.50 ug/l	608
Toxaphene - Liquid	RMK	08/23/93	20:18 <	2.000	ug/l	2.00 ug/l	608.0
Chloroethane - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624
Methyl chloride - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624
Methyl bromide - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Trichloroethene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Benzene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Bromoform - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Toluene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Chloroform - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624
Xylene - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624
Acetone - Liquid	JCF	08/12/93	08:47 <	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - Liquid	JCF	08/12/93	08:47 <	5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - Liquid	JCF	08/12/93	08:47 <	15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - Liquid	JCF	08/12/93	08:47 <	12.000	ug/l	12.00 ug/l	624.
2- Butanone - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - Liquid	JCF	08/12/93	08:47 <	10.000	ug/l	10.00 ug/l	8240

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/20/93 In House # 07-4478-93		Source: SEECOMMENT		Location: FT.STEWART			
		- CONTINUED -					
Comments:							
Client sample ID (SCM-Blk-7-93)							
The volatile run was initiated at 23:47.							
Sample Date: 07/19/93 In House # 07-4479-93		Source: SEECOMMENT		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - water extraction	MR	07/23/93	08:00	0.000		0.00	
PCB - water extraction	MR	07/23/93	08:00	0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00	0.600	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	14:22	< 5.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	04:26	< 5.000	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	15:48	< 0.050	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93	15:48	< 0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	15:48	< 0.050	mg/l	0.05 mg/l	200.7
Lead - Liquid	CW	08/06/93	21:26	< 5.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93	15:48	< 0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00	< 0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - liquid	JCF	08/13/93	24:16	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	08/13/93	24:16	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	08/13/93	24:16	< 5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
Aldrin - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608.
Beta BHC - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608.
Delta BHC - liquid	RMK	08/23/93	20:57	0.041	ug/l	0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
4,4-DDE - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/23/93	20:57	< 0.200	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/23/93	20:57	< 0.040	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/23/93	20:57	< 1.000	ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/23/93	20:57	< 4.000	ug/l	2.00 ug/l	608.0
Chloroethane - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/19/93 In House # 07-4479-93		Source: SEECOMMENT		Location: FT.STEWART			
		- CONTINUED -					
1,1,2,2,-Tetrachloroethane - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	08/13/93	08:49	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	08/13/93	08:49	< 5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	JCF	08/13/93	08:49	< 15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	JCF	08/13/93	08:49	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	08/13/93	08:49	< 10.000	ug/l	10.00 ug/l	8240

Comments:
Client sample ID (SURS-1-7-93)

The volatile run was initiated at 24:16. For Pest/PCB: due to extensive interferences present in this sample, an elevated detection limit has been provided (DL X 2).

Sample Date: 07/19/93 In House # 07-4480-93 Source: SEECOMMENT Location: FT.STEWART

Metals Sample Preparation - Water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - Water extraction	MR	07/23/93	08:00	0.000		0.00	
PCB - Water extraction	MR	07/23/93	08:00	0.000		0.00	
Ra 226/228 - Liquid	TMA	07/30/93	12:00	1.300	pCi/l	0.00 pCi/l	903.1
Arsenic - Liquid	CW	08/06/93	14:28	< 5.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	04:30	< 5.000	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	15:52	< 0.050	mg/l	0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93	15:52	< 0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	15:52	< 0.050	mg/l	0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93	03:49	< 5.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93	15:52	< 0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00	< 0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - Liquid	JCF	08/13/93	09:14	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	08/13/93	24:46	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	08/13/93	24:46	< 5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
Aldrin - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608.
Alpha BHC - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608.
Beta BHC - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608.
Delta BHC - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608.
Gamma BHC - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608.
4,4-DDT - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
4,4-DDE - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608
4,4-DDD - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
Dieldrin - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608
A-Endosulfan - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608
B-Endosulfan - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
Endosulfan Sulfate - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
Endrin Aldehyde - Liquid	RMK	08/23/93	21:36	< 0.200	ug/l	0.10 ug/l	608
Heptachlor - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608
Heptachlor Epoxide - Liquid	RMK	08/23/93	21:36	< 0.040	ug/l	0.02 ug/l	608
PCB-1242 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
PCB-1254 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
PCB-1221 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
PCB-1232 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
PCB-1248 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
PCB-1260 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
PCB-1016 - Liquid	RMK	08/23/93	21:36	< 1.000	ug/l	0.50 ug/l	608
Toxaphene - Liquid	RMK	08/23/93	21:36	< 4.000	ug/l	2.00 ug/l	608.0
Chloroethane - Liquid	JCF	08/13/93	09:14	< 10.000	ug/l	10.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/19/93 In House # 07-4480-93		Source: SEECOMMENT - CONTINUED -		Location: FT.STEWART			
Methyl chloride - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	624
Methyl bromide - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	624
Vinyl chloride - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	624
Methylene Chloride - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Bromodichloromethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Trichloroethene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Benzene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Bromoform - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Tetrachloroethene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Toluene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Chlorobenzene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Ethylbenzene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Chloroform - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624
Xylene - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	624
Acetone - liquid	JCF	08/13/93 09:14	<	20.000 ug/l		20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	08/13/93 09:14	<	5.000 ug/l		5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	JCF	08/13/93 09:14	<	15.000 ug/l		15.00 ug/l	624.
Trichlorofluoromethane - liquid	JCF	08/13/93 09:14	<	12.000 ug/l		12.00 ug/l	624.
2- Butanone - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	08/13/93 09:14	<	10.000 ug/l		10.00 ug/l	8240

Comments:
Client sample ID (SURS-1-DUP-7-93)

The volatile run was initiated at 24:46. For Pest/PCB: due to extensive interferences present in this sample, an elevated detection limit has been provided (DL X2).

Sample Date: 07/19/93 In House # 07-4481-93		Source: SEECOMMENT		Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93 18:00		0.000		0.00	
Pesticide - water extraction	MR	07/26/93 09:00		0.000		0.00	
PCB - water extraction	MR	07/26/93 09:00		0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93 12:00	<	0.600 pCi/l		0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93 14:35	<	5.000 ug/l		5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93 04:39	<	5.000 ug/l		5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93 16:08	<	0.050 mg/l		0.05 mg/l	200.7
Cadmium - Liquid	CMP	08/11/93 16:08	<	0.020 mg/l		0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93 16:08	<	0.050 mg/l		0.05 mg/l	200.7
Lead - Liquid	JDW	08/12/93 03:55	<	5.000 ug/l		5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93 16:08	<	0.050 mg/l		0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93 10:00	<	0.200 ug/l		0.20 ug/l	245.1
Carbon Disulfide - liquid	JCF	08/13/93 01:15	<	10.000 ug/l		10.00 ug/l	624.
2-Hexanone - Liquid	JCF	08/13/93 01:15	<	50.000 ug/L		50.00 ug/L	8240
Styrene - Liquid	JCF	08/13/93 01:15	<	5.000 ug/L		5.00 ug/L	8240
Endrin - Liquid	RMK	08/24/93 00:49	<	0.100 ug/l		0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/24/93 00:49	<	0.100 ug/l		0.10 ug/l	608
Aldrin - liquid	RMK	08/24/93 00:49	<	0.020 ug/l		0.02 ug/l	608.
Alpha BHC - liquid	RMK	08/24/93 00:49	<	0.020 ug/l		0.02 ug/l	608.
Beta BHC - liquid	RMK	08/24/93 00:49	<	0.020 ug/l		0.02 ug/l	608.
Delta BHC - liquid	RMK	08/24/93 00:49		0.032 ug/l		0.02 ug/l	608.
Gamma BHC - liquid	RMK	08/24/93 00:49	<	0.020 ug/l		0.02 ug/l	608.
4,4-DDT - liquid	RMK	08/24/93 00:49	<	0.100 ug/l		0.10 ug/l	608

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/19/93 In House # 07-4481-93	Source: SEECOMMENT			Location: FT.STEWART			
- CONTINUED -							
4,4-DDE - liquid	RMK	08/24/93	00:49 <	0.020	ug/l	0.02 ug/l	608
4,4-DDD - liquid	RMK	08/24/93	00:49 <	0.100	ug/l	0.10 ug/l	608
Dieldrin - liquid	RMK	08/24/93	00:49 <	0.020	ug/l	0.02 ug/l	608
A-Endosulfan - liquid	RMK	08/24/93	00:49 <	0.020	ug/l	0.02 ug/l	608
B-Endosulfan - liquid	RMK	08/24/93	00:49 <	0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - liquid	RMK	08/24/93	00:49 <	0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - liquid	RMK	08/24/93	00:49 <	0.100	ug/l	0.10 ug/l	608
Heptachlor - liquid	RMK	08/24/93	00:49 <	0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - liquid	RMK	08/24/93	00:49 <	0.020	ug/l	0.02 ug/l	608
PCB-1242 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
PCB-1254 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
PCB-1221 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
PCB-1232 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
PCB-1248 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
PCB-1260 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
PCB-1016 - liquid	RMK	08/24/93	00:49 <	0.500	ug/l	0.50 ug/l	608
Toxaphene - liquid	RMK	08/24/93	00:49 <	2.000	ug/l	2.00 ug/l	608.0
Chloroethane - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624
Acetone - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624
1,1-Dichloroethene - liquid	JCF	08/13/93	09:16 <	20.000	ug/l	20.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	JCF	08/13/93	09:16 <	5.000	ug/l	5.00 ug/l	624.
Trichlorofluoromethane - liquid	JCF	08/13/93	09:16 <	15.000	ug/l	15.00 ug/l	624.
2- Butanone - liquid	JCF	08/13/93	09:16 <	12.000	ug/l	12.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	624.
	JCF	08/13/93	09:16 <	10.000	ug/l	10.00 ug/l	8240

Comments:
Client sample ID (SURS-BLK-7-93)

The volatile run was initiated at 01:15.

Sample Date: 07/20/93 In House # 07-4482-93	Source: SURS2-7-93			Location: FT.STEWART			
Metals Sample Preparation - water	JAG	08/05/93	18:00	0.000		0.00	
Pesticide - water extraction	MR	07/26/93	09:00	0.000		0.00	
PCB - water extraction	MR	07/26/93	09:00	0.000		0.00	
Ra 226/228 - liquid	TMA	07/30/93	12:00	0.340	pCi/l	0.00 pCi/l	903.1
Arsenic - liquid	CW	08/06/93	14:41 <	5.000	ug/l	5.00 ug/l	206.2
Selenium - Liquid	CW	08/06/93	04:46 <	5.000	ug/l	5.00 ug/l	270.2
Barium - Liquid	CMP	08/11/93	16:12 <	0.050	mg/l	0.05 mg/l	200.7

Sample Date: 07/20/93 In House # 07-4482-93 Source: SURS2-7-93 Location: FT.STEWART

- CONTINUED -

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Cadmium - Liquid	CMP	08/11/93	16:12 <	0.020	mg/l	0.01 mg/l	200.7
Chromium - Liquid	CMP	08/11/93	16:12 <	0.050	mg/l	0.05 mg/l	200.7
Lead - Liquid	CW	08/06/93	21:44 <	5.000	ug/l	5.00 ug/l	239.2
Silver - Liquid	CMP	08/11/93	16:12 <	0.050	mg/l	0.05 mg/l	200.7
Mercury - Liquid	KAH	08/05/93	10:00 <	0.200	ug/l	0.20 ug/l	245.1
Carbon Disulfide - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	08/13/93	01:45 <	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	08/13/93	01:45 <	5.000	ug/L	5.00 ug/L	8240
Endrin - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
Methoxychlor - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
Aldrin - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608.
Alpha BHC - Liquid	RMK	08/24/93	01:28	0.036	ug/l	0.02 ug/l	608.
Beta BHC - Liquid	RMK	08/24/93	01:28	0.053	ug/l	0.02 ug/l	608.
Delta BHC - Liquid	RMK	08/24/93	01:28	0.058	ug/l	0.02 ug/l	608.
Gamma BHC - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608.
4,4-DDT - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
4,4-DDE - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608
4,4-DDD - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
Dieldrin - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608
A-Endosulfan - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608
B-Endosulfan - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
Endosulfan Sulfate - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
Endrin Aldehyde - Liquid	RMK	08/24/93	01:28 <	0.100	ug/l	0.10 ug/l	608
Heptachlor - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608
Heptachlor Epoxide - Liquid	RMK	08/24/93	01:28 <	0.020	ug/l	0.02 ug/l	608
PCB-1242 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
PCB-1254 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
PCB-1221 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
PCB-1232 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
PCB-1248 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
PCB-1260 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
PCB-1016 - Liquid	RMK	08/24/93	01:28 <	0.500	ug/l	0.50 ug/l	608
Toxaphene - Liquid	RMK	08/24/93	01:28 <	2.000	ug/l	2.00 ug/l	608.0
Chloroethane - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624
Methyl chloride - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624
Methyl bromide - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Trichloroethene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Benzene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Bromoform - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Toluene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Chloroform - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624
Xylene - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624
Acetone - Liquid	JCF	08/13/93	09:18 <	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - Liquid	JCF	08/13/93	09:18 <	5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - Liquid	JCF	08/13/93	09:18 <	15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - Liquid	JCF	08/13/93	09:18 <	12.000	ug/l	12.00 ug/l	624.
2- Butanone - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - Liquid	JCF	08/13/93	09:18 <	10.000	ug/l	10.00 ug/l	624.

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/20/93 In House # 07-4482-93		Source: SURS2-7-93		Location: FT.STEWART			
		- CONTINUED -					
Vinyl Acetate - liquid	JCF	08/13/93 09:18	<	10.000 ug/l		10.00 ug/l	8240
Comments: The volatile run was initiated at 01:45.							
Sample Date: 07/19/93 In House # 07-4483-93		Source: 07/19 TB		Location: FT.STEWART			
Carbon Disulfide - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624.
2-Hexanone - Liquid	JCF	08/13/93 02:14	<	50.000 ug/L		50.00 ug/L	8240
Styrene - Liquid	JCF	08/13/93 02:14	<	5.000 ug/L		5.00 ug/L	8240
Chloroethane - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624
Methyl chloride - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624
Methyl bromide - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624
Vinyl chloride - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624
Methylene Chloride - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Bromodichloromethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Trichloroethene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Benzene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Bromoform - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Tetrachloroethene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Toluene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Chlorobenzene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Ethylbenzene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Chloroform - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624
Xylene - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624
Acetone - liquid	JCF	08/13/93 09:28	<	20.000 ug/l		20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	08/13/93 09:28	<	5.000 ug/l		5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	JCF	08/13/93 09:28	<	15.000 ug/l		15.00 ug/l	624.
Trichlorofluoromethane - liquid	JCF	08/13/93 09:28	<	12.000 ug/l		12.00 ug/l	624.
2- Butanone - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	08/13/93 09:28	<	10.000 ug/l		10.00 ug/l	8240
Comments: The volatile run was initiated at 02:14.							
Sample Date: 07/20/93 In House # 07-4484-93		Source: 7/20 TB		Location: FT.STEWART			
Carbon Disulfide - liquid	JCF	08/13/93 09:29	<	10.000 ug/l		10.00 ug/l	624.
2-Hexanone - Liquid	JCF	08/13/93 02:44	<	50.000 ug/L		50.00 ug/L	8240
Styrene - Liquid	JCF	08/13/93 02:44	<	5.000 ug/L		5.00 ug/L	8240
Chloroethane - liquid	JCF	08/13/93 09:29	<	10.000 ug/l		10.00 ug/l	624
Methyl chloride - liquid	JCF	08/13/93 09:29	<	10.000 ug/l		10.00 ug/l	624
Methyl bromide - liquid	JCF	08/13/93 09:29	<	10.000 ug/l		10.00 ug/l	624
Vinyl chloride - liquid	JCF	08/13/93 09:29	<	10.000 ug/l		10.00 ug/l	624
Methylene Chloride - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
Bromodichloromethane - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624
Trichloroethene - liquid	JCF	08/13/93 09:29	<	5.000 ug/l		5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 07/20/93 In House # 07-4484-93		Source: 7/20 TB		Location: FT.STEWART			
		- CONTINUED -					
Chlorodibromomethane - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	08/13/93	09:29	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	08/13/93	09:29	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	08/13/93	09:29	< 5.000	ug/l	5.00 ug/l	624.
2-Chloroethylvinyl Ether - liquid	JCF	08/13/93	09:29	< 15.000	ug/l	15.00 ug/l	624.
Trichlorofluoromethane - liquid	JCF	08/13/93	09:29	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	08/13/93	09:29	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	08/13/93	09:29	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	08/13/93	09:29	< 10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 02:44.

Laboratory ID # 40111

Very truly yours,

James H. Carr, Jr.
Chemist

QUALITY CONTROL REPORT FOR FORT STEWART SAMPLING PROJECT
FST-001

Identification	Carr Sample Number
SCM1-7-93	07-4471-93
SCM2-7-93	07-4472-93
SCM2-7-93DUP	07-4473-93
SCM3-7-93	07-4474-93
SCM4-7-93	07-4475-93
SCM5-7-93	07-4476-93
SCM6-7-93	07-4477-93
SCM-BLK-7-93	07-4478-93
SURS-1-7-93	07-4479-93
SURS-1-DUP-7-93	07-4480-93
SURS-BLK-7-93	07-4481-93
SURS2-7-93	07-4482-93
7/19 TB	07-4483-93
7/20 TB	07-4484-93

LEGEND

QC SAmple Number: The identifying number on a sample or known which makes unique identification of each sample possible.

Val. 1, Val. 2: Concentrations of duplicate samples, presented for precision information. * indicates a spiked duplicate sample if this information is not presented elsewhere.

RPD: Relative Percent Difference:

$$RPD = \frac{abs(D_1 - D_2)}{(D_1 + D_2)/2} * 100$$

Spike Conc.: The concentraiton of spike material added to the sample to produce the spiked sample.

True Value: The target concentraiton for the spiked sample:

TV = Sample Conc. - Spike Conc.

Observed Value: The concentraiotn observed in the spiked sample upon analysis.

Percent Recovery: A measure of the concentraiton of the sppiked sample relative to the spiked concentration:

$$\% \text{ Recovery} = \frac{\text{Conc. spiked sample - Conc. unspiked sample}}{\text{spike concentration}}$$

QUALITY CONTROL FOR LEAD ANALYSIS

SAMPLES NUMBERED: 07-4471-93 through 07-4482-93 analyzed 08/06/93, reanalyzed 08/11/93;

Date	QC Sample Number	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
08/06/93	TMA989					50.0	50.5	101
08/06/93	4474*	34.3	34.0	0.9	5.0	34.5	34.3	100
08/06/93	4451	<5.0	<5.0	0	100.0	100.0	102.0	102
08/06/93	4453*	12.1	12.2	0.8	5.0	12.6	12.2	92

* Indicates a spiked duplicate sample.

QUALITY CONTROL FOR ARSENIC ANALYSIS

SAMPLES NUMBERED: 07-4471-93 through 07-4482-93 analyzed 08/06/93, reanalyzed 08/11/93;

Date	QC Sample Number	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
08/06/93	TMA989					50.0	51.8	103
08/06/93	4474*	17.8	17.7	.56	5.0	17.7	17.7	100
08/06/93	4451	<5.0	<5.0	0	100.0	100.0	106.0	106
08/06/93	4453*	5.6	5.2	7.4	5.0	5.0	5.2	104

QUALITY CONTROL FOR SELENIUM ANALYSIS

SAMPLES NUMBERED: 07-4471-93 through 07-4482-93 analyzed 08/06/93, reanalyzed 08/11/93;

Date	QC Sample Number	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
08/06/93	TMA989					50.0	49.9	100
08/06/93	4474*	7.9	7.9	0	5.0	7.6	7.9	106
08/06/93	4451	<5.0	<5.0	0	100.0	100.0	111.0	111
08/06/93	4453*	4.9	5.1	4.0	5.0	5.0	4.9	98

QUALITY CONTROL FOR ICP ANALYSIS

SAMPLES NUMBERED: 07-4471-93 through 07-4482-93 analyzed 08/11/93

Date	Element	QC Sample Number	Val. 1 (mg/l)	Val. 2 (mg/l)	% RPD	Spike Conc.	True Value	Obs. Value	% Rec.
08/11/93	Ba	ICP-07					1.00	0.91	91
08/11/93	Cr	ICP-19					1.00	0.92	92
08/11/93	Cd	ICP-19					1.00	0.93	93
08/11/93	Ag	ICP-07					1.00	0.91	91
08/11/93	Cr	4480dig	<.05	<.05	0	0.10	0.100	0.110	110
08/11/93	Cd	4480dig	.011	.009	20	0.10	0.109	0.107	98
08/11/93	Ba	4480dig	<.05	<.05	0	0.10	0.136	0.131	95
08/11/93	Cr	4480	<.05	<.05	0	0.05	0.050	0.110	110
08/11/93	Cd	4480	.011	.009	20	0.05	0.111	0.102	91
08/11/93	Ba	4480	<.05	<.05	0	0.05	0.086	0.078	88
08/11/93	Cr	4859	.25	.21	17.4	0.05	0.300	0.310	120
08/11/93	Ba	4859	.18	.17	5.7	0.05	0.230	0.230	100
08/11/93	Ag	4859	<.05	<.05	0	0.05	0.050	0.048	96

QUALITY CONTROL FOR MERCURY ANALYSIS

SAMPLES NUMBERED: 07-4471-93 through 07-4482-93 analyzed 08/04/93;

Date	QC Sample Number	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
08/28/93	WP25-1					0.60	0.73	122
08/28/93	4454	<0.2	<0.2	0	1.0	1.00	0.98	98
08/28/93	4478	<0.2	<0.2	0	1.0	1.00	0.77	77
08/28/93	4511	<0.2	<0.2	0	1.0	1.00	1.01	101

QUALITY CONTROL FOR PESTICIDES

SAMPLES NUMBERED: 07-4471-93 through 07-4477-93 and 07-4479-93 through 07-4482-93 analyzed 08/23/93;
SAMPLES NUMBERED: 07-4477-93 analyzed 08/25/93;

SPIKE RECOVERY DATA FOR 08/23/93

SPIKE QC SAMPLE NUMBER: SPK072393 spiked duplicate

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
Alpha-BHC	0.084	0.081	3.6	0.08	0.08	0.081	102
Gamma-BHC	0.084	0.080	4.9	0.08	0.08	0.080	100
Beta-BHC	0.092	0.086	6.7	0.08	0.08	0.086	108
Heptachlor	0.086	0.077	11.0	0.08	0.08	0.077	96
Delta-BHC	0.065	0.059	9.7	0.08	0.08	0.065	81
Aldrin	0.081	0.079	2.5	0.08	0.08	0.081	102
Heptachlor Epox.	0.091	0.084	8.0	0.08	0.08	0.084	102
Endosulfan I	0.092	0.086	6.7	0.08	0.08	0.086	108
p,p - DDE	0.089	0.086	3.4	0.08	0.08	0.086	108
Endrin	0.090	0.099	9.5	0.08	0.08	0.090	113
p,p - DDD	0.084	0.094	11.2	0.08	0.08	0.084	105
Endosulfan II	0.089	0.085	4.6	0.08	0.08	0.085	106
Endrin Aldehyde	0.081	0.083	2.4	0.08	0.08	0.081	101
Endosulfan Sulf.	0.085	0.074	13.8	0.08	0.08	0.074	93
Methoxychlor	0.103	0.078	27.6	0.08	0.08	0.078	98
Endrin Ketone	0.114	0.077	38.7	0.08	0.08	0.077	96

SPIKE RECOVERY DATA FOR 08/25/93

SPIKE QC SAMPLE NUMBER: SPK08209, DUPLICATE SAMPLE NUMBER: 08513593

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
Alpha-BHC	<.050	<.050	0	0.08	0.08	0.081	101
Gamma-BHC	<.050	<.050	0	0.08	0.08	0.080	100
Beta-BHC	<.050	<.050	0	0.08	0.08	0.083	104
Heptachlor	<.050	<.050	0	0.08	0.08	0.074	93
Delta-BHC	<.050	<.050	0	0.08	0.08	0.063	79
Aldrin	<.050	<.050	0	0.08	0.08	0.080	100
Heptachlor Epox.	<.050	<.050	0	0.08	0.08	0.083	104
Endosulfan I	<.050	<.050	0	0.08	0.08	0.084	105
p,p - DDE	<.050	<.050	0	0.08	0.08	0.084	105
Dieldrin	<.050	<.050	0	0.08	0.08	0.086	106
Endrin	<.050	<.050	0	0.08	0.08	0.090	113
p,p - DDD	<.050	<.050	0	0.08	0.08	0.093	116
Endosulfan II	<.050	<.050	0	0.08	0.08	0.086	108
p,p - DDT	<.050	<.050	0	0.08	0.08	0.088	110
Endrin Aldehyde	<.050	<.050	0	0.08	0.08	0.086	108
Endosulfan Sulf.	<.050	<.050	0	0.08	0.08	0.078	98
Methoxychlor	<.050	<.050	0	0.08	0.08	0.083	104
Endrin Ketone	<.050	<.050	0	0.08	0.08	0.081	101

BLANK DATA FOR PESTICIDES

All analytes less than 0.05 ug/L on all dates.

SURROGATE RECOVERIES FOR PESTICIDES

Sample Date	Sample Number	Theoretical Conc. (ug/l)	Observed Conc.(ug/l)	Percent Recovery
08/24/93	BLANK	1.0	0.78	78
08/24/93	07-4471-93	1.0	0.79	79
08/24/93	07-4472-93	1.0	0.65	65
08/24/93	07-4473-93	1.0	0.57	57
08/24/93	07-4474-93	1.0	0.56	56
08/24/93	07-4475-93	1.0	0.42	42
08/24/93	07-4476-93	1.0	0.72	72
08/24/93	07-4477-93	1.0	0.66	66
08/24/93	07-4478-93	1.0	0.92	92
08/24/93	07-4479-93	1.0	0.39	39
08/24/93	07-4480-93	1.0	0.66	66
08/24/93	07-4481-93	1.0	0.79	79
08/24/93	07-4482-93	1.0	0.61	61
08/24/93	072393SPK	1.0	0.84	84
08/24/93	082093SPK	1.0	0.85	85

QUALITY CONTROL FOR VOLATILES

SAMPLES NUMBERED: 07-4471-93 through 07-4477-93 analyzed 07/30/93.
SAMPLES NUMBERED: 07-4478-93 through 07-4484-93 analyzed 08/13/93.

SPIKE RECOVERY DATA FOR 07/30/93

SPIKE QC SAMPLE NUMBER: 07437693

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
1,1 Dichloroethene	<5	<5	0	50	50	32.6	65
Trichloroethene	<5	<5	0	50	50	44.6	89
Benzene	<5	<5	0	50	50	45.5	91
Toluene	<5	<5	0	50	50	45.6	91
Chlorobenzene	<5	<5	0	50	50	46.5	93

SPIKE QC SAMPLE NUMBER: 07447793

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
1,1 Dichloroethene	<5	<5	0	50	50	47.8	96
Trichloroethene	<5	<5	0	50	50	40.4	81
Benzene	<5	<5	0	50	50	50.5	101
Toluene	<5	<5	0	50	50	52.9	104
Chlorobenzene	<5	<5	0	50	50	55.6	111

SPIKE RECOVERY DATA FOR 08/13/93

SPIKE QC SAMPLE NUMBER: 07473393

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
1,1 Dichloroethene	<5	<5	0	50	50	27.6	55
Benzene	<5	<5	0	50	50	40.0	80
Toluene	<5	<5	0	50	50	36.4	73
Chlorobenzene	<5	<5	0	50	50	42.6	83

BLANK DATA FOR VOLATILES

All analytes on all dates <5 ug/L.

SURROGATE RECOVERIES FOR VOLATILES, PERCENT RECOVERY

Sample Date	Sample Number	1,2 dichloro-ethane d-4	Toluene d-8	Bromofloro benzene
07/30/93	BLANK	93	109	102
07/30/93	07-4471-93	98	89	98
07/30/93	07-4472-93	106	93	101
07/30/93	07-4473-93	98	89	98
07/30/93	07-4474-93	89	79	88
07/30/93	07-4475-93	96	87	97
07/30/93	07-4476-93	94	87	96
07/30/93	07-4376-93	96	89	99
07/30/93	07-4376DUP	84	77	88
07/30/93	07-4376SPK	94	87	98
07/30/93	07-4477-93	122	100	96
07/30/93	07-4477DUP	114	104	99
07/30/93	07-4477SPK	119	105	100
08/13/93	07-4478-93	103	78	89
08/13/93	07-4479-93	107	77	88
08/13/93	07-4480SPK	101	81	95
08/13/93	07-4481-93	105	81	94
08/13/93	07-4482-93	103	82	96
08/13/93	07-4483-93	113	79	91
08/13/93	07-4484-93	110	80	96

CARR
LABORATORIES

CHAIN OF CUSTODY RECORD

Client: CESAS
Contact: Toni Nicholson
Address: Po Box 889, Savannah Ga 31402
Collected By: Judson Smith

Project No. FST-001
Phone No. 912-652-5312
Fax No. 912-652-5311
Client P.O.#

MT (Matrix Type): L=Liquid (circled), S=Soil, O=Oil, X=Other

AP (Analytical Program): W=Wastewater, G=Groundwater (circled), D=Drinking Water, S=Solid/Haz. Waste, N=Nonregulated

Carr's Lab No.	Sample Source	Sample Location	Date/Time	Well	Grab	Composite	MT	AP	Number of Containers	Preserved Y or N	Analyses Requested pH. ACCEPTABLE
FST-001-SCM1-7-93	FST-001	Ft Stewart	7/19/93/15:35	X			L	G	5	Y	VOC 8240, RCRA 8 TOTAL METALS, PEST/PCB 8080, Ra 226/228 07-4471-93
FST-001-SCM2-7-93	FST-001	Ft Stewart	7/15/93/11:00	X			"	"	5	Y	" 4472
FST-001-SCM2-DUP-7-93	FST-001	Ft Stewart	7/15/93/11:00	X			"	"	5	Y	" 4473
FST-001-SCM3-7-93	FST-001	Ft Stewart	7/15/93/15:20	X			"	"	5	Y	" 4474
FST-001-SCM4-7-93	FST-001	Ft Stewart	7/19/93/11:30	X			"	"	5	Y	" 4475
FST-001-SCM5-7-93	FST-001	Ft Stewart	7/20/93/14:05	X			"	"	5	Y	" 4476
FST-001-SCM6-7-93	FST-001	Ft Stewart	7/20/93/15:15	X			"	"	5	Y	" need to recollect Pest/PCB 4477
FST-001-SCM-BLK-7-93	FST-001	Ft Stewart	7/20/93/11:00	X			"	"	5	Y	" 4478
FST-001-SURS-1-7-93	FST-001	Ft Stewart	7/19/93/14:20	X			"	"	5	Y	" 4479
FST-001-SURS-1-DUP-7-93	FST-001	Ft Stewart	7/19/93/14:20	X			"	"	5	Y	" 4480
FST-001-SURS-BLK-7-93	FST-001	Ft Stewart	7/19/93/14:20	X			▽	▽	5	Y	" 4481

Relinquished By	Received By	Date	Time
1. [signature]			
2.			
3. [signature]	[signature]	7-22-93	845
Received In Lab By	[signature]	7-22-93	845

JAMES H. CARR & ASSOCIATES, INC.
Office and Laboratories
P.O. Box 90209
Columbia, South Carolina 29290
(803) 776-7789 Fax: 783-2192

temp of cooler = 18.5°C
Ice visible in cooler.

U-31

CARR
LABORATORIES

CHAIN OF CUSTODY RECORD

Client CESAS
Contact Toni Nicholson
Address Po Box 889, Savannah, Ga 31402
Collected By Judson Smith

Project No. FST-001
Phone No. 912-652-5312
Fax No. 912-652-5311
Client P.O.#

MT (Matrix Type): L=Liquid (circled), S=Soil, O=Oil, X=Other

AP (Analytical Program): W=Wastewater, G=Groundwater (circled), D=Drinking Water, S=Solid/Haz. Waste, N=Nonregulated

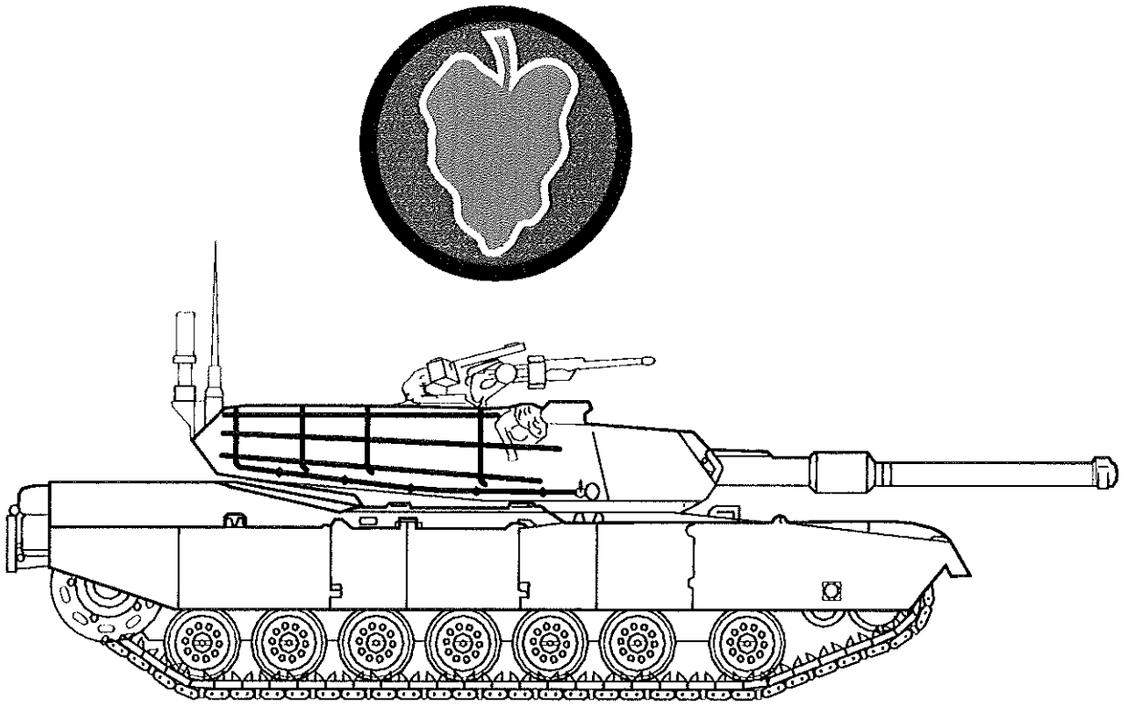
Carr's Lab No.	Sample Source	Sample Location	Date/Time	Well	Grab	Composite	MT	AP	Number of Containers	Preserved Y or N	Analyses Requested
											pH ACCEPTABLE
FST-001-SURS-2-7-93	FST-001	Ft Stewart	7/20/93/15:45	X			L	G	5	Y	VOC8240, 8 RCRA TOTAL METALS, PEST/PCB 8080, Ra 226/228 07-4482-93
Trip Blank			7-19-93				L		2	Y	VOC 8240 4483
	Trip Blank		7-20-93				L		2		VOC8240 4484

Relinquished By	Received By	Date	Time
1. [signature]			
2.			
3. Federal Express	[signature]	7.22.93	845
Received in Lab By	[signature]	7.22.93	

JAMES H. CARR & ASSOCIATES, INC.
Office and Laboratories
P.O. Box 90209
Columbia, South Carolina 29
(803) 776-7789 Fax: 783-21

Corrected Final
Phase I RCRA Facility Investigation Report
For 24 Solid Waste Management Units
At Fort Stewart, Georgia

Volume III of III



May 1996

Job No. 87528.000

Prepared For

US Army Corps of Engineers
Savannah District

Prepared By

RUST ENVIRONMENT & INFRASTRUCTURE

CORRECTED FINAL

PHASE I
RCRA FACILITY INVESTIGATION REPORT
FOR 24 SOLID WASTE MANAGEMENT UNITS
AT FORT STEWART, GEORGIA
VOLUME III OF III

Prepared For

UNITED STATES ARMY CORPS OF ENGINEERS
SAVANNAH DISTRICT

Contract DACA21-93-D-0029
Delivery Order 0005
Rust Project No. 87528.000
May 1996

Prepared By
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11/09/93

Ms. Toni Nicholson
Corps of Engineers
PO Box 889
Savannah, GA 31402

Dear Ms. Nicholson:

The following are the results of the parameters you requested we check on your FST-001 samples listed below.

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6909-93 Source: SCM1-10-93 Location: FT.STEWART							
Carbon Disulfide - liquid	JCF	10/15/93	16:22	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/15/93	16:22	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/15/93	16:22	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	10/15/93	16:21	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/15/93	16:21	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/15/93	16:21	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/15/93	16:21	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/15/93	16:21	< 10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 22:46.

Sample Date: 10/05/93 In House # 10-6910-93 Source: SCM2-10-93 Location: FT.STEWART

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6910-93	Source: SCM2-10-93		Location: FT.STEWART				
- CONTINUED -							
Carbon Disulfide - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/15/93	16:23 <	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/15/93	16:23 <	5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	10/15/93	16:23 <	20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/15/93	16:23 <	5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/15/93	16:23 <	10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/15/93	16:23 <	12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/15/93	16:23 <	10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 23:39.

Sample Date: 10/05/93 In House # 10-6911-93	Source: SEECOMMENT		Location: FT.STEWART				
Carbon Disulfide - liquid	JCF	10/16/93	16:24 <	10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/16/93	16:24 <	50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/16/93	16:24 <	5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/16/93	16:24 <	10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	10/16/93	16:24 <	10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/16/93	16:24 <	10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/16/93	16:24 <	10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/16/93	16:24 <	5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6911-93 Source: SEECOMMENT Location: FT.STEWART - CONTINUED -							
Toluene - liquid	JCF	10/16/93	16:24 <	5.000 ug/l		5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/16/93	16:24 <	5.000 ug/l		5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/16/93	16:24 <	5.000 ug/l		5.00 ug/l	624
Chloroform - liquid	JCF	10/16/93	16:24 <	5.000 ug/l		5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/16/93	16:24 <	5.000 ug/l		5.00 ug/l	624
Xylene - liquid	JCF	10/16/93	16:24 <	10.000 ug/l		10.00 ug/l	624
Acetone - liquid	JCF	10/16/93	16:24 <	20.000 ug/l		20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/16/93	16:24 <	5.000 ug/l		5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/16/93	16:24 <	10.000 mg/l		10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/16/93	16:24 <	12.000 ug/l		12.00 ug/l	624.
2- Butanone - liquid	JCF	10/16/93	16:24 <	10.000 ug/l		10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/16/93	16:24 <	10.000 ug/l		10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/16/93	16:24 <	10.000 ug/l		10.00 ug/l	8240

Comments:
Location: SMC2-DUP-10-93

The volatile run was initiated at 24:06.

Sample Date: 10/05/93 In House # 10-6912-93 Source: SEECOMMENT Location: FT.STEWART

Carbon Disulfide - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/16/93	16:25 <	50.000 ug/L		50.00 ug/L	8240
Styrene - Liquid	JCF	10/16/93	16:25 <	5.000 ug/L		5.00 ug/L	8240
Chloroethane - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624
Methyl chloride - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624
Methyl bromide - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Trichloroethene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Benzene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Bromoform - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Toluene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Chloroform - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624
Xylene - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624
Acetone - liquid	JCF	10/16/93	16:25 <	20.000 ug/l		20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/16/93	16:25 <	5.000 ug/l		5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/16/93	16:25 <	10.000 mg/l		10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/16/93	16:25 <	12.000 ug/l		12.00 ug/l	624.
2- Butanone - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/16/93	16:25 <	10.000 ug/l		10.00 ug/l	8240

Comments:
Location: SCM-BLK-10-93

The volatile run was initiated at 24:32.

Sample Date: 10/05/93 In House # 10-6913-93 Source: SCM3-10-93 Location: FT.STEWART

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6913-93		Source: SCM3-10-93		Location: FT.STEWART			
		- CONTINUED -					
Carbon Disulfide - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/15/93	16:27	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/15/93	16:27	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Acetone - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624
1,1-Dichloroethene - liquid	JCF	10/15/93	16:27	< 20.000	ug/l	20.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/15/93	16:27	< 5.000	ug/l	5.00 ug/l	624.
Trichlorofluoromethane - liquid	JCF	10/15/93	16:27	< 10.000	mg/l	10.00 mg/l	624.
2- Butanone - liquid	JCF	10/15/93	16:27	< 12.000	ug/l	12.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	624.
	JCF	10/15/93	16:27	< 10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 24:59.

Sample Date: 10/05/93 In House # 10-6914-93		Source: SCM4-10-93		Location: FT.STEWART			
Carbon Disulfide - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/16/93	16:28	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/16/93	16:28	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6914-93 Source: SCM4-10-93 Location: FT.STEWART - CONTINUED -							
Toluene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	10/16/93	16:27	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/16/93	16:27	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/16/93	16:27	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/16/93	16:27	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/16/93	16:27	< 10.000	ug/l	10.00 ug/l	8240
Comments: The volatile run was initiated at 01:25.							
Sample Date: 10/05/93 In House # 10-6915-93 Source: SCM5-10-93 Location: FT.STEWART							
Carbon Disulfide - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/16/93	16:28	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/16/93	16:28	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	10/16/93	16:28	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/16/93	16:28	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/16/93	16:28	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/16/93	16:28	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/16/93	16:28	< 10.000	ug/l	10.00 ug/l	8240
Comments: The volatile run was initiated at 01:52.							
Sample Date: 10/05/93 In House # 10-6916-93 Source: SCM6-10-93 Location: FT.STEWART							
Carbon Disulfide - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	JCF	10/16/93	16:29	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	JCF	10/16/93	16:29	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6916-93		Source: SCM6-10-93		Location: FT.STEWART			
		- CONTINUED -					
Methyl chloride - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	JCF	10/16/93	16:29	19.200	ug/l	5.00 ug/l	624
Chloroform - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	JCF	10/16/93	16:29	33.900	ug/l	10.00 ug/l	624
Acetone - liquid	JCF	10/16/93	16:29	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	JCF	10/16/93	16:29	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	JCF	10/16/93	16:29	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	JCF	10/16/93	16:29	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	JCF	10/16/93	16:29	< 10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 02:18.

Sample Date: 10/05/93 In House # 10-6917-93		Source: SW1-10-93		Location: FT.STEWART			
Carbon Disulfide - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	10/18/93	14:39	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	10/18/93	14:39	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6917-93		Source: SW1-10-93 - CONTINUED -		Location: FT.STEWART			
Carbon Tetrachloride - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	10/18/93	14:39	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	10/18/93	14:39	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	KG	10/18/93	14:39	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	KG	10/18/93	14:39	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	10/18/93	14:39	< 10.000	ug/l	10.00 ug/l	8240
Comments: The volatile run was initiated at 12:44.							
Sample Date: 10/05/93 In House # 10-6918-93		Source: SEECOMMENT		Location: FT.STEWART			
Carbon Disulfide - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	10/18/93	14:41	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	10/18/93	14:41	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	10/18/93	14:41	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	10/18/93	14:41	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	KG	10/18/93	14:41	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	KG	10/18/93	14:41	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	10/18/93	14:41	< 10.000	ug/l	10.00 ug/l	8240
Comments: Location: SW1-DUP-10-93 The volatile run was initiated at 13:10.							
Sample Date: 10/05/93 In House # 10-6919-93		Source: SEECOMMENT		Location: FT.STEWART			
Carbon Disulfide - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	10/18/93	14:42	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	10/18/93	14:42	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6919-93		Source: SEECOMMENT		Location: FT.STEWART			
		- CONTINUED -					
Vinyl chloride - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	10/18/93	14:42	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	10/18/93	14:42	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	KG	10/18/93	14:42	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	KG	10/18/93	14:42	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	10/18/93	14:42	< 10.000	ug/l	10.00 ug/l	8240

Comments:
Location: SW-BLK-10-93

The volatile run was initiated at 13:37.

Sample Date: 10/05/93 In House # 10-6920-93		Source: SW2-10-93		Location: FT.STEWART			
Carbon Disulfide - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	10/18/93	14:44	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	10/18/93	14:44	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6920-93		Source: SW2-10-93 - CONTINUED -			Location: FT.STEWART		
Carbon Tetrachloride - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	10/18/93	14:44	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	10/18/93	14:44	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	KG	10/18/93	14:44	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	KG	10/18/93	14:44	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	10/18/93	14:44	< 10.000	ug/l	10.00 ug/l	8240
Comments: The volatile run was initiated at 14:03.							
Sample Date: 10/05/93 In House # 10-6921-93		Source: TRIP BLANK			Location: SCM		
Carbon Disulfide - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	10/18/93	14:45	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	10/18/93	14:45	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
1,1-Dichloroethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	10/18/93	14:45	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	10/18/93	14:45	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	KG	10/18/93	14:45	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	KG	10/18/93	14:45	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	10/18/93	14:45	< 10.000	ug/l	10.00 ug/l	8240
Comments: The volatile run was initiated at 14:30.							
Sample Date: 10/05/93 In House # 10-6922-93		Source: TRIP BLANK			Location: SW		
Carbon Disulfide - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624.
2-Hexanone - Liquid	KG	10/18/93	14:48	< 50.000	ug/L	50.00 ug/L	8240
Styrene - Liquid	KG	10/18/93	14:48	< 5.000	ug/L	5.00 ug/L	8240
Chloroethane - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624
Methyl chloride - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624
Methyl bromide - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624
Vinyl chloride - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624
Methylene Chloride - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624

Parameter	Analyst	Analysis Date -- Time		Results	Units	Lowest Detectable Level	Method Number
Sample Date: 10/05/93 In House # 10-6922-93		Source: TRIP BLANK - CONTINUED -		Location: SW			
1,1-Dichloroethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Trans 1,2-Dichloroethene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloroethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
1,1,1-Trichloroethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Bromodichloromethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
1,2-Dichloropropane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Trans-1,3-Dichloropropene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Trichloroethene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Chlorodibromomethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
1,1,2-Trichloroethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Cis-1,3-Dichloropropene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Benzene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Bromoform - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
1,1,2,2,-Tetrachloroethane - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Tetrachloroethene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Toluene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Chlorobenzene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Ethylbenzene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Chloroform - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Carbon Tetrachloride - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624
Xylene - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624
Acetone - liquid	KG	10/18/93	14:48	< 20.000	ug/l	20.00 ug/l	624.
1,1-Dichloroethene - liquid	KG	10/18/93	14:48	< 5.000	ug/l	5.00 ug/l	624.
Acrylonitrile - liquid	KG	10/18/93	14:48	< 10.000	mg/l	10.00 mg/l	624.
Trichlorofluoromethane - liquid	KG	10/18/93	14:48	< 12.000	ug/l	12.00 ug/l	624.
2- Butanone - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624.
4-Methyl - 2 pentanone - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	624.
Vinyl Acetate - liquid	KG	10/18/93	14:48	< 10.000	ug/l	10.00 ug/l	8240

Comments:
The volatile run was initiated at 14:56.

Laboratory ID # 40111

Very truly yours,

James H. Carr, Jr.
Chemist

FT. STEWART Number Key
FST-001

Carr Lab No.	FT STEWART ID
10-6909-93	SCM1-10-93
10-6910-93	SCM2-10-93
10-6911-93	SCM2-DUP-10-93
10-6912-93	SCM-BLK-10-93
10-6913-93	SCM3-10-93
10-6914-93	SCM4-10-93
10-6915-93	SCM5-10-93
10-6916-93	SCM6-10-93
10-6917-93	SW1-10-93
10-6918-93	SW1-DUP-10-93
10-6919-93	SW-BLK-10-93
10-6920-93	SW2-10-93
10-6921-93	TRIP BLANK SCM
10-6922-93	TRIP BLANK SW

LEGEND

QC SAmple Number: The identifying number on a sample or known which makes unique identification of each sample possible.

Val. 1, Val. 2: Concentrations of duplicate samples, presented for precision information. * indicates a spiked duplicate sample if this information is not presented elsewhere.

RPD: Relative Percent Difference:

$$RPD = \frac{abs(D_1 - D_2)}{(D_1 + D_2)/2} * 100$$

Spike Conc.: The concentraiton of spike material added to the sample to produce the spiked sample.

True Value: The target concentraiton for the spiked sample:

TV = Sample Conc. - Spike Conc.

Observed Value: The concentraiotn observed in the spiked sample upon analysis.

Percent Recovery: A measure of the concentraiton of the sppiked sample relative to the spiked concentration:

$$\% \text{ Recovery} = \frac{\text{Conc. spiked sample - Conc. unspiked sample}}{\text{spike concentration}}$$

QUALITY CONTROL FOR VOLATILES

SAMPLES NUMBERED: 10-6909-93 through 09-6916-93 analyzed 10/15-16/93;
SAMPLES NUMBERED: 10-6917-93 through 10-6922-93 analyzed 10/18/93;

SPIKE RECOVERY DATA FOR 10/15/93

SPIKE QC SAMPLE NUMBER: 10684193 spiked duplicate

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
1,1 Dichloroethene	40.2	43.3	7.4	50	50	43.3	87
Trichloroethene	38.0	42.0	10.0	50	50	42.0	84
Benzene	42.9	45.2	5.2	50	50	45.2	90
Toluene	38.0	42.0	10.0	50	50	42.0	84
Chlorobenzene	35.4	38.4	8.1	50	50	38.4	77

U-45

SPIKE RECOVERY DATA FOR 10/18/93

SPIKE QC SAMPLE NUMBER: 10685193 spiked duplicate

Analyte	Val. 1 (ug/l)	Val. 2 (ug/l)	% RPD	Spike Conc.	True Value	Observed Value	Percent Recovery
1,1 Dichloroethene	40.3	50.7	22.9	50	50	50.7	101
Trichloroethene	39.4	46.3	16.1	50	50	46.3	93
Benzene	45.6	51.4	12.0	50	50	51.4	103
Toluene	40.6	51.4	23.5	50	50	51.4	103
Chlorobenzene	37.0	47.9	25.7	50	50	47.9	96

BLANK DATA FOR VOLATILES

All analytes on all dates <5 ug/L.

SURROGATE RECOVERIES FOR VOLATILES, PERCENT RECOVERY

Sample Date	Sample Number	1,2 dichloro-ethane d-4	Toluene d-8	Bromofloro benzene
10/15/93	BLANK	106	90	79
10/15/93	10-6909-93	110	97	81
10/15/93	10-6910-93	104	97	82
10/15/93	10-6911-93	97	86	74
10/15/93	10-6912-93	92	83	69
10/15/93	10-6913-93	101	78	67
10/15/93	10-6914-93	94	82	70
10/15/93	10-6915-93	92	77	71
10/15/93	10-6916-93	86	69	60
10/15/93	10-6841-93	101	87	71
10/15/93	10-6841SPK	102	79	65
10/15/93	10-6841SPKDUP	92	72	57
10/18/93	BLANK	136	106	105
10/18/93	10-6917-93	97	78	73
10/18/93	10-6918-93	109	90	81
10/18/93	10-6919-93	89	72	68
10/18/93	10-6920-93	107	93	83
10/18/93	10-6921-93	88	79	69
10/18/93	10-6922-93	104	92	82
10/18/93	10-6851-93	93	106	70
10/18/93	10-6851SPK	90	73	61
10/18/93	10-6851SPKDUP	113	94	84

CARR LABORATORIES

CHAIN OF CUSTODY RECORD

Client CESAS
Contact Toni Nicholson
Address PO Box 889, Sav. Ga 31402
Collected By Duncan Smith

Project No. FST-001
Phone No. 912-652-5312
Fax No. 912-652-5311
Client P.O.# ___

MT (Matrix Type)	AP (Analytical Program)
(L)=Liquid	W=Wastewater
S=Soil	(G)=Groundwater
O=Oil	D=Drinking Water
X=Other	S=Solid/Haz. Waste
	N=Nonregulated

Carr's Lab No.	Sample Source	Location	Date/Time	Well	Grab	Composite	MT	AP	Number of Containers	Preserved Y or N	Analyses Requested	
FST-001-SCM1-10-93	Ft Stewart	FST-001	10/5/93/14:25	X			L		2	Y	VOC 8240	ID 6909-93
FST-001-SCM2 10-93	Ft Stewart	FST-001	10/5/93/13:20	X			L		2	Y	VOC 8240	6910
FST-001-SCM2-Dup-10-93	Ft Stewart	FST-001	10/5/93/15:22	X			L		2	Y	VOC 8240	6911
FST-001-SCM-BLK-10-93	Ft Stewart	FST-001	10/5/93/13:30	X			L		2	Y	VOC 8240	6912
FST-001-SCM3-10-93	Ft Stewart	FST-001	10/5/93/09:30	X			L		2	Y	VOC 8240	6913
FST-001-SCM4-10-93	Ft Stewart	FST-001	10/5/93/10:00	X			L		2	Y	VOC 8240	6914
FST-001-SCM5-10-93	Ft Stewart	FST-001	10/5/93/12:25	X			L		2	Y	VOC 8240	6915
FST-001-SCM6-10-93	Ft Stewart	FST-001	10/5/93/13:40	X			L		2	Y	VOC 8240	6916
FST-001-SW1-10-93	Ft Stewart	FST-001	10/5/93/14:35	X			L		2	Y	VOC 8240	6917
FST-001-SW1-Dup-1093	Ft Stewart	FST-001	10/5/93/14:35	X			L		2	Y	VOC 8240	6918
FST-001-SW-BLK-1093	Ft Stewart	FST-001	10/5/93/14:35	X			L		2	Y	VOC 8240	6919

Relinquished By	Received By	Date	Time
1. [signature]	Henry Barton	10/8/93	08:07
2. Henry Barton	[signature]	10/8/93	1815
3. ___	___	___	___
Received In Lab By	[signature]	10-8-93	1815

JAMES H. CARR & ASSOCIATES, INC.
Office and Laboratories
P.O. Box 90209
Columbia, South Carolina 29290
(803) 776-7789 Fax: 783-2192

NO temperature - ice visible

Now per Toni Nicholson

U-49

CARR LABORATORIES

CHAIN OF CUSTODY RECORD

Client CESAS

Contact Toni Nicholson

Address PO Box 889, Sav. Ga 31402

Collected By Judson Smith

Project No. FST-001

Phone No. 912-652-5312

Fax No. 912-652-5311

Client P.O.# ______

MT (Matrix Type)
- (L)=Liquid (circled)
- S=Soil
- O=Oil
- X=Other

AP (Analytical Program)
- W=Wastewater
- (G)=Groundwater (circled)
- D=Drinking Water
- S=Solid/Haz. Waste
- N=Nonregulated

Carr's Lab No.	Sample Source	Sample Location	Date/Time	Well	Grab	Composite	MT	AP	Number of Containers	Preserved Y or N	Analyses Requested	
FST-001-SW 2-10-93	Ft Stewart	FST-001	10/5/93/14:00	X			L		2	Y	VOC 8240	10-6920-93
Trip Blank SW	"	"	10/5/93				L		2	Y	"	6921
Trip Blank SW	"	"	10/5/93				L		2	Y	"	6922

	Relinquished By	Received By	Date	Time
1.	[signature]	Henry Barton	10/8/93	08:07
2.	Henry Barton	[signature]	10/8/93	18:15
3.				
Received In Lab By		[signature]	10-8-93	1815

JAMES H. CARR & ASSOCIATES, INC.
Office and Laboratories
P.O. Box 90209
Columbia, South Carolina 29290
(803) 776-7789 Fax: 783-2192

No temp vial - ice visible
[signature] Toni Nicholson

U-50

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the Phase I investigation (analytical results did not indicate a release had occurred, analytical results indicated concentrations were below the GAEPD guidelines and/or the site was never used), no further action is recommended at the following sites:

- SWMU4G(FST-004G) Burn Pit
- SWMU24A(FST-024A) New Radiator Shop
- SWMU27(FST-027) DOL Maintenance Motor Pool
- SWMU28(FST-028) 724th Battery Shop
- SWMU30(FST-030) Recirculating Wash Impoundment "Bird Bath"
- SWMU33(FST-033) DEH Pesticide Warehouse

Continued monitoring is recommended at SWMU20(FST-020) Wright Army Airfield Sewage Disposal Beds (Land Spray Application and Lagoon) in accordance with the NPDES permit.

Based on the Phase I results of the soil and ground-water analytical data and the exposure pathways analyses, a Phase II investigation is recommended at the following sites:

- SWMU1(FST-001) South Central Landfill
- SWMU2(FST-002) Camp Oliver Landfill
- SWMU3(FST-003) TAC-X Landfill
- SWMU4(FST-004) Burn Pits A through F
- SWMU9(FST-009) Inactive EOD Area
- SWMU10(FST-010) Inactive EOD Area
- SWMU11(FST-011) Inactive EOD Area
- SWMU12(FST-012) Active EOD Area
- SWMU14(FST-014) Old Fire Training Area
- SWMU17(FST-017) DRMO Hazardous Waste Storage Area
- SWMU18(FST-018) Industrial Wastewater Treatment Plant
- SWMU19(FST-019) Old Sludge Drying Beds

- SWMU24A(FST-024A) Old Radiator Shop
- SWMU24B(FST-024B) Paint Booth
- SWMU25(FST-025) Waste Oil Tanks (All 15 sampled tanks and the tanks that failed the tank tightness test)
- SWMU26(FST-026) 724th Tanker Purging Station
- SWMU27(FST-027) Motor Pools (All motor pools with oil/water separators)
- SWMU29(FST-029) Evans Army Heliport POL Storage Facility
- SWMU31(FST-031) DEH Asphalt Tanks
- SWMU32(FST-032) Supply Diesel Tank
- SWMU34(FST-034) DEH Equipment Wash Rack

RUST E&I recommends that a Phase II RFI Work Plan be prepared for the previously noted SWMUs at Fort Stewart. The Phase II RFI Work Plan will document procedures to be utilized for RCRA investigations at each of the SWMUs. Prior to initiation of Phase II field activities, the Phase II RFI Work Plan must meet GAEPD approval. The Phase II field investigations will include monitoring well installation, soil sampling and soil permeability testing, ground-water sampling, horizontal and vertical extent of contamination, ground-water flow rate calculations, map preparation, data quality objectives for risk assessment needs and any requirements that the GAEPD recommends.

Upon completion of Phase II field activities, a Phase II RFI Report will be submitted to the GAEPD that summarizes the results of all work completed. The results of the Phase II investigations will be evaluated along with the results of the Phase I investigations to confirm if Corrective Measure Studies (CMS) are warranted.